GE VERNOVA

# EPM 9700 Modbus Protocol and Register Map

## Reference Guide

Software Revision: 1.0x
Manual P/N: 1601-0716-A2
Manual Order Code: GEK-131027A

WORLDWIDE 10 YEAR WARRANTY

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REGISTERED ISO 9001

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EPM 9700 Modbus Protocol and Register Map Reference Guide for product revision 1.0x.

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Part number: 1601-0241-A2 (April 2020)

**⚠CAUTION**

**GENERAL SAFETY PRECAUTIONS - EPM 9700**

- Failure to observe and follow the instructions provided in the equipment manual(s)could cause irreversible damage to the equipment and could lead to propertydamage, personal injury and/or death.
- Before attempting to use the equipment, it is important that all danger and caution indicators are reviewed.
- If the equipment is used in a manner not specified by the manufacturer orfunctions abnormally, proceed with caution. Otherwise, the protection provided by the equipment may be impaired and can result in Impaired operation and injury.
- Caution: Hazardous voltages can cause shock, burns or death.
- Installation/service personnel must be familiar with general device test practices,electrical awareness and safety precautions must be followed.
- Before performing visual inspections, tests, or periodic maintenance on this deviceor associated circuits, isolate or disconnect all hazardous live circuits and sourcesof electric power.
- Failure to shut equipment off prior to removing the power connections couldexpose you to dangerous voltages causing injury or death.
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- Equipment grounds should be bonded together and connected to the facility'smain ground system for primary power.
- Keep all ground leads as short as possible.
- At all times, equipment ground terminal must be grounded during deviceoperation and service.
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- To be certified for revenue metering, power providers and utility companies mustverify that the billing energy meter performs to the stated accuracy. To confirmthe meter's performance and calibration, power providers use field test standardsto ensure that the unit's energy measurements are correct.

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# Safety words and definitions

The following symbols used in this document indicate the following conditions

**Indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

**Indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

**Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

Indicates practices not related to personal injury.

**Indicates general information and practices, including operational information, that are not related to personal injury.**

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**GLOSSARY: GLOSSARY**

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 1: Modbus Protocol Overview

## 1.1 Introduction

The EPM 9700 meter can communicate with other devices using RTU Modbus transmission or through Modbus TCP/IP communication using an Ethernet port.

See the *Multilin EPM 9700 Meter Instruction Manual* for wiring details.

## 1.2 Communication Packets

Communication takes place between a Modbus Master and one or more EPM device Slaves. The Master initiates all communication by transmitting an information packet called the "request" to a specific Slave. The Slave replies with its own packet, called the "response". A packet is a serial string of 8-bit bytes consisting of the following:

- Slave Address — 1 byte
- Function Code — 1 byte
- Data — N bytes: high-ordered byte first, low-order byte second
- CRC (RTU Error Checksum) — 2 bytes
- Dead Time — 3.5 bytes transmission time

A single packet can transmit a maximum of 127 registers.

## 1.3 Slave Address and Broadcast Request

- Each Slave device on a communication bus has its own unique address. Only the Slave addressed by a Master will respond. The response packet returned to the Master will

have the same value in the Slave Address Field as the request packet. Addresses are programmable and range from 1 to 247.

- A Slave Address of 0 is a broadcast command that allows the Master to send the same packet to all devices at once. All Slaves obey the packet's instructions, but none will respond. The broadcast request feature is available only with function codes 6 and 10, Preset Single Registers and Preset Multiple Registers, respectively. See Table 1–4: *Function Code 6H Example* and Table 1–5: *Function Code 10H Example*.

## 1.4 Function Codes

A packet's Function Code tells the addressed Slave what action to perform. The EPM 9700 meter supports the following Modbus Function Codes:

**Table 1–1: Function Code**

| Hex | Dec | Description |
|---|---|---|
| 03H | 3 | Read Holding Registers |
| 04H | 4 | Read Input Registers |
| 06H | 6 | Preset Single Register |
| 10H | 16 | Preset Multiple Registers |

### 1.4.1 Function Code 03H—Read Holding Registers

This function allows a Master station to read one or more parameter values (data registers) from an EPM meter Slave. The data registers are 16-bit (two byte) values transmitted in "Big Endian" format: high-ordered byte first, low-ordered byte second.

The Master device sends a packet defining a start register for the Slave and the number of registers to read. The Slave responds with a packet containing the requested parameter values within the range specified in the request.

In the following example, a Master device requests an EPM meter Slave at address 01H to transmit two values beginning at Register 00001. The Slave replies with values 3031H and 3037H from Registers 00001 and 00002.

**Table 1–2: Function Code 03 Example**

| Master Packet | | Slave Packet | |
|---|---|---|---|
| Slave Address | 01H | Slave Address | 01H |
| Function Code | 03H | Function Code | 03H |
| Data Starting Address - Hi | 00H | Byte Count | 04H |
| Data Starting Address - Lo | 00H | Data 1-Hi | 30H |
| Number of Registers - Hi | 00H | Data 1-Lo | 31H |
| Number of Registers - Lo | 02H | Data 2-Hi | 30H |
| CRC-Lo | C4H | Data 2-Lo | 37H |
| CRC-Hi | 0BH | CRC-Lo | F1H |
| | | CRC-Hi | 2AH |

### 1.4.2 Function Code 04H—Read Input Registers

This function allows a Master station to read one or more parameter values from an EPM meter Slave. The data registers are 16-bit (two byte) values transmitted in "Big Endian" format: high-ordered byte first, low-ordered byte second.

The master device sends a packet defining a start register for the slave and the number of registers to read. The slave responds with a packet containing the requested parameter values within the range specified in the request.

In the following example, a master device requests an EPM meter slave at address 01H to transmit two values beginning at register 00001. The slave replies with values 3031H and 3037H from registers 00001 and 00002.

**Table 1–3: Function Code 6 Example**

| Master Packet | | Slave Packet | |
|---|---|---|---|
| Slave Address | 01H | Slave Address | 01H |
| Function Code | 04H | Function Code | 04H |
| Data Starting Address- Hi | 00H | Byte Count | 04H |
| Data starting Address-Lo | 00H | Data Starting Address - Hi | 30H |
| Number of Registers-Hi | 00H | Data Starting Address-Lo | 31H |
| Number of Registers-Lo | 02H | Data-Hi | 30H |
| CRC-Lo | C4H | Data-Lo | 37H |
| CRC-Hi | 0BH | CRC-Lo | F1H |
| | | CRC-Hi | 2AH |

### 1.4.3 Function Code 06H—Preset Single Register

This function allows a Master station to modify a single register in an EPM meter Slave. The data registers are 16-bit (two byte) values transmitted high-ordered byte first, low-ordered byte second.

In the following example, a Master device stores the value 0001H at Register 57346 in an EPM meter Slave at address 01H.

**Table 1–4: Function Code 6H Example**

| Master Packet | | Slave Packet | |
|---|---|---|---|
| Slave Address | 01H | Slave Address | 01H |
| Function Code | 06H | Function Code | 06H |
| Data Starting Address- Hi | E0H | Data Starting Address - Hi | E0H |
| Data starting Address-Lo | 01H | Data Starting Address-Lo | 01H |
| Data-Hi | 00H | Data-Hi | 00H |
| Data-Lo | 01H | Data-Lo | 01H |
| CRC-Lo | 2EH | CRC-Lo | 2EH |
| CRC-Hi | 0AH | CRC-Hi | 0AH |

### 1.4.4 Function Code 10—Preset Multiple Registers

This function allows a Master station to modify a group of consecutive registers in an EPM meter Slave. Registers are 16-bit (two byte) values transmitted high-ordered byte first, low-ordered byte second.

In the following example, a Master device stores the value 0001H at Register 57345, 0001H at Register 57346 and 0001H at Register 57347 in an EPM meter Slave at address 01H.

**Table 1–5: Function Code 10H Example**

| Master Packet | | Slave Packet | |
|---|---|---|---|
| Slave Address | 01H | Slave Address | 01H |
| Function Code | 10H | Function Code | 10H |
| Data Starting Address- Hi | E0H | Data Starting Address - Hi | E0H |
| Data starting Address-Lo | 01H | Data Starting Address-Lo | 01H |
| Number of Setpoints-Hi | 00H | Number of Setpoints-Hi | 00H |
| Number of Setpoints-Lo | 03H | Number of Setpoints-Lo | 03H |
| Byte Count | 06H | CRC-Lo | E6H |
| Data #1-Hi | 00H | CRC-Hi | 08H |
| Data #1-Lo | 01H | | |
| Data #2-Lo | 00H | | |
| Data #2-Hi | 01H | | |
| Data #3-Lo | 00H | | |
| Data #3-Hi | 01H | | |
| CRC-Lo | 4DH | | |
| CRC-Hi | 46H | | |

- Range in Hex: 0000H - FFFFH
- Range in Decimal: 00001 - 65536

The Addresses given in Chapter 2 *"Modbus Register Map"* are in Decimal.

Example: For some SCADA Software, to read Holding Registers (1.4.1), Address Format should be: 4(XXXXX) with the XXXXX being our Decimal Address.

## 1.5 CRC (Error Checksum) Algorithm

The Cyclic Redundancy Check (CRC) field is an error checksum calculation that enables a Slave device to determine if a request packet has been corrupted during transmission.

Every request packet transmitted from Master to Slave includes a special 16-bit value derived from a CRC-16 algorithm performed on the packet's contents. When an EPM meter Slave receives a packet, it performs a CRC-16 calculation and compares the value with the one included in the request packet. If the two values do not match, the Slave will ignore the packet.

Following is the pseudocode for calculating the 16-bit CRC:

```
Initialize a 16-bit register to FFFFH.
Initialize the generator polynomial to A001H.
    FOR n=1 to # of bytes in packet
        XOR nth data byte with the 16-bit register
        FOR bits_shifted = 1 to 8
            SHIFT 1 bit to the right
            IF (bit shifted out EQUAL 1)
                XOR generator polynomial with the 16-bit register and store
                result in the 16-bit register
            END IF
        END FOR
    END FOR
```

The resulting 16-bit register contains the CRC-16 checksum.

## 1.6 Dead Time

An EPM meter Slave considers a transmission from a Master complete when it has received no data for a period of 3.5 byte transmission times—approximately 7 ms at 4800 baud and 300 microseconds at 115200 baud. If the Master transmits any gaps between bytes that are longer than this time period, the Slaves will perceive it as dead time.

At the conclusion of the dead time, all unaddressed Slaves begin listening for a new packet from the Master.

## 1.7 Exception Response (Error Codes)

An EPM meter Slave will send its Master an Exception Response packet, if it has encountered an invalid command or other problem while carrying out the Master's instructions. The function code of the response will have the most significant bit set. The Data field of the Exception Response contains an Error Code specific to the type of problem.

Table 1–6: *Exception Response (Error Codes)* lists the different Error Codes supported by the EPM 9700 meter.

**Table 1–6: Exception Response (Error Codes)**

| Error Code | Name | Description |
|---|---|---|
| 01 | Illegal Function | The Slave does not support the function code of the transmitted request packet. |
| 02 | Illegal Data Address | The Slave does not recognize the address in the data field of the transmitted request packet. |
| 03 | Illegal Data Value | The value referenced in the transmitted request packet is not supported by the register on the EPM meter Slave. |
| 06 | Busy, Rejected Packet | The Slave is busy performing a long operation and cannot receive the request packet. |
| 0Ah | Gateway Paths Not Available | Used for Modbus TCP when the 2nd RS485 port is configured as an Ethernet Gateway. |

In the following example, a Master Device requests an EPM meter Slave at address 01H to transmit the value at Register 00256. The Slave replies with an error, indicating that it is busy.

**Table 1–7: Exception Response Example**

| Master Packet | | Slave Packet | |
|---|---|---|---|
| Address | 01H | Address | 01H |
| Function Code | 03H | Function Code | 83H |
| Data Starting Address- Hi | 01H | Error Code | 06H |
| Data starting Address-Lo | 00H | CRC-Lo | C1H |
| Number of Registers-Hi | 00H | CRC-Hi | 32H |
| Number of Registers-Lo | 01H | | |
| CRC-Lo | 85H | | |
| CRC-Hi | F6H | | |

## 1.8 Modbus Extensions

Modbus Read Requests have a maximum size when using standard Modbus function. Enhanced (Non-Standard) Modbus Read Requests were developed to allow larger than standard responses. This requires fewer requests and, is therefore, more efficient and total download time is reduced.

This function is also more efficient with Log Retrieval. It allows the Network Card(s) to have DNP communication with the main unit utilizing a Modbus connection.

The following are non-standard extensions to the Modbus Protocol. The EPM 9700 meter supports the following additional Modbus Function Codes:

| Modbus Extensions | | |
|---|---|---|
| Function Code | | Description |
| Hex | Dec | |
| 23H/43H | 35/67 | Read Holding Registers Multiple Times |

### 1.8.1 Function Code 23H - Read Holding Registers Multiple Times

This function allows a Master station to read the binary contents of holding registers (4X references) in the slave multiple times. Broadcast is not supported.

The Master device sends a packet defining the starting register, quantity of registers to be read and the repeat count. Registers are addressed starting at zero: registers 1-16 are addressed as 0-15.

Here is an example of a request to read registers 40108-40110 twice from slave device 17:

| Function Code | |
|---|---|
| **Field Name** | **Example (Hex)** |
| Slave Address | 11 |
| Function Code | 23 |
| Data Starting Address-Hi | 00 |
| Data Starting Address-Lo | 6B |
| Number of Registers-Hi | 00 |
| Number of Registers-Lo | 03 |
| Repeat Count | 02 |
| Error Check (LRC or CRC) | |

The register data in the response message are packed as two bytes per register, with the binary contents right justified within each byte. For each register, the first byte contains the high order bits and the second contains the low order bits.

Data is scanned at the following maximum rates, depending on the repeat count:

| Repeat Count | RTU Framing | ASCII Framing |
|---|---|---|
| 1 | 509 Registers | 253 Registers |
| 2 | 254 Registers | 126 Registers |
| 3 | 169 Registers | 84 Registers |
| 4 | 127 Registers | 63 Registers |
| 5 | 101 Registers | 50 Registers |
| 6 | 84 Registers | 42 Registers |
| 7 | 72 Registers | 36 Registers |

The response is returned when the data is completely assembled.

Here is an example of a response to the data given earlier:

| Function Code 23H Example (Response) | |
|---|---|
| **Field Name** | **Example (Hex)** |
| Slave Address | 11 |
| Function Code | 23 |
| Byte Count Hi | 00 |
| Byte Count Lo | 0C |
| Data Hi (Register 40108, First Read) | 02 |
| Data Lo (Register 40108, First Read) | 2B |
| Data Hi (Register 40109, First Read) | 00 |
| Data Lo (Register 40109, First Read) | 00 |

| Function Code 23H Example (Response) | |
|---|---|
| **Field Name** | **Example (Hex)** |
| Data Hi (Register 40110, First Read) | 00 |
| Data Lo (Register 40110, First Read) | 64 |
| Data Hi (Register 40108, Second Read) | 02 |
| Data Lo (Register 40108, Second Read) | 2B |
| Data Hi (Register 40109, Second Read) | 00 |
| Data Lo (Register 40109, Second Read) | 00 |
| Data Hi (Register 40110, Second Read) | 00 |
| Data Lo (Register 40110, Second Read) | 64 |
| Error Check (LRC or CRC) | -- |

The contents of Register 40108 are shown as the two-byte values of 02 2B Hex or 555 Decimal. The contents of Registers 40109 - 40110 are 00 00 and 00 64 Hex or 0 and 100 Decimal.

GE
Grid Solutions

# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 2: Modbus Register Map

## 2.1 Introduction

EPM 9700 meter Modbus Register Map begins on the following page. First the Holding Registers section is shown, then the Input Registers section is shown.

- One Second Readings use the One Second Block, Registers 00176-00235, described in Section 8.5.
- Resetting Maximums, Minimums, Energy Readings and/or Logs use the Action Block, Registers 57345-57393, described in Sections 8.7 and 8.8.
- Time may be set in the EPM 9700 meter using the Real Time Block, Registers 00081-00089, described in Section 8.2.

The remainder of this manual elaborates on aspects of the Modbus register map.

- Chapter 3 *"Communication Data Formats"* gives a detailed description of Communication Formats referred to in the Register Map "Type" column. See the *Table of contents* for a list of the Register Map "Types" and page locations in Chapter 3.
- Chapter 4 *"Register Map Notes"* has an explanation of the Register Map's "Notes" column.
- Chapter 5 *"Logs, Port Control and Updating Programmable Settings"* includes an explanation of and instructions for downloading Logs.
- Chapter 6 *"Programmable Settings Blocks"* provides an explanation of the Programmable Settings Blocks.
- Chapter 7 *"Register Block Titles"* offers descriptions of all the EPM 9700 meter Modbus Register Map Register Block Titles and the Registers included in each block.
- Chapter 8 *"Alternative Method for Downloading Logs"* gives instructions on an alternative method of downloading logs.
- Chapter 9 *"Additional Procedures"* gives instructions on additional procedures: port control, updating programmable settings, TOU modifications, and calibration.
- The *GLOSSARY* on page Glossary–1 gives an explanation of terminology.

Note that depending on the meter security settings, some readings may be unavailable until the user provides the proper authentication information (user name and password).

## 2.2 Modbus Holding Registers

| Addr. (hex) | Address(4X) | Line | Pt | DNP Obj | Description | Range | Units | Type | R/W | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | Device Identification Block | | | | | | | | | |
| 0000H-0007H | 00001-00008 | 0 | 0 | | Device Name | | | F1 | R | |
| 0008H-000FH | 00009-00016 | 1 | 0 | | Firmware Variation String 1 | | | F1 | R | |
| 0010H-0017H | 00017-00024 | 1 | 1 | | Firmware Variation String 2 | | | F1 | R | |
| 0018H-001FH | 00025-00032 | 1 | 2 | | Firmware Variation String 3 | | | F1 | R | |
| 0020H-0027H | 00033-00040 | 1 | 3 | | Firmware Variation String 4 | | | F1 | R | |
| 0028H-002FH | 00041-00048 | 1 | 4 | | Firmware Variation String 5 | | | F1 | R | |
| 0030H-0037H | 00049-00056 | 1 | 5 | | Firmware Variation String 6 | | | F1 | R | |
| 0038H-003FH | 00057-00064 | 1 | 6 | | Firmware Variation String 7 | | | F1 | R | |
| 0040H-0047H | 00065-00072 | 1 | 7 | | Firmware Variation String 8 | | | F1 | R | |
| 0048H-0049H | 00073-00074 | 2 | 0 | | Nexus Comm Boot Version Number (Major). See also register 0xFD00-0xFD01 for Minor | 9.9.9.9 / 0.0.0.0 | 0.0.0.1 version | F2 | R | |
| 004AH-004BH | 00075-00076 | 3 | 0 | | Nexus Comm Run-Time Version Number (Major). See also register 0xFD07-0xFD08 for Minor | 9.9.9.9 / 0.0.0.0 | 0.0.0.1 version | F2 | R | |
| 004CH-004FH | 00077-00080 | | | | Removed | | | | | |
| | Real Time Block | | | | | | | | | |
| 0050H-0053H | 00081-00084 | 6 | 0 | 50 | On Time | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0054H-0057H | 00085-00088 | 7 | 0 | 50 | Current Time | 12/31/9999 23:59:59.99 | 10 msec | F3 | R/W | 1, 2 |
| 0058H | 00089 | 8 | 0 | 50 | Current Day of the Week | Sunday - Saturday | | F4 | R | 1, 2 |
| | One Cycle Block | | | | | | | | | |
| 0059H-005CH | 00090-0093 | 9 | 0 | | One cycle Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 005DH-005EH | 00094-0095 | 10 | 0 | | One cycle Phase A-N Voltage | | | F7 | R | |
| 005FH-0060H | 00096-0097 | 10 | 1 | | One cycle Phase B-N Voltage | | | F7 | R | |
| 0061H-0062H | 00098-0099 | 10 | 2 | | One cycle Phase C-N Voltage | | | F7 | R | |
| 0063H-0064H | 00100-0101 | 11 | 0 | | One cycle Vaux Voltage | | | F7 | R | |
| 0065H-0066H | 00102-0103 | 12 | 0 | | One cycle Phase A Current | | | F7 | R | |
| 0067H-0068H | 00104-0105 | 12 | 1 | | One cycle Phase B Current | | | F7 | R | |
| 0069H-006AH | 00106-0107 | 12 | 2 | | One cycle Phase C Current | | | F7 | R | |
| 006BH-006CH | 00108-0109 | 13 | 0 | | One cycle Measured Neutral Current (Iaux) | | | F7 | R | |
| 006DH-006EH | 00110-0111 | 15 | 0 | | One cycle Calculated Neutral Current (Ires) | | | F7 | R | |
| 006FH-0070H | 00112-0113 | 14 | 0 | | One cycle Phase A-B Voltage | | | F7 | R | |
| 0071H-0072H | 00114-0115 | 14 | 1 | | One cycle Phase B-C Voltage | | | F7 | R | |
| 0073H-0074H | 00116-0117 | 14 | 2 | | One cycle Phase A-C Voltage | | | F7 | R | |
| 0075H | 00118 | 16 | 0 | | One cycle High Speed Input Delta and Current State | | | F6 | R | |
| | High Speed | | | | | | | | | |
| 0076H-0079H | 00119-00122 | 17 | 0 | 50 | High Speed Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 007AH-007BH | 00123-00124 | 18 | 0 | 30 | High Speed Phase A-N Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 007CH-007DH | 00125-00126 | 18 | 1 | 30 | High Speed Phase B-N Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 007EH-007FH | 00127-00128 | 18 | 2 | 30 | High Speed Phase C-N Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0080H-0081H | 00129-00130 | 19 | 0 | 30 | High Speed Vaux Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0082H-0083H | 00131-00132 | 20 | 0 | 30 | High Speed Phase A Current | +32767 V / 0 V | 1/ 65536 A sec | F7 | R | 6 |
| 0084H-0085H | 00133-00134 | 20 | 1 | 30 | High Speed Phase B Current | +32767 V / 0 V | 1/ 65536 A sec | F7 | R | 6 |
| 0086H-0087H | 00135-00136 | 20 | 2 | 30 | High Speed Phase C Current | +32767 V / 0 V | 1/ 65536 A sec | F7 | R | 6 |
| 0088H-0089H | 00137-00138 | 21 | 0 | 30 | High Speed Measured Neutral Current | +32767 V / 0 V | 1/ 65536 A sec | F7 | R | |
| 008AH-008BH | 00139-00140 | 22 | 0 | 30 | High Speed Phase A-B Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 008CH-008DH | 00141-00142 | 22 | 1 | 30 | High Speed Phase B-C Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 008EH-008FH | 00143-00144 | 22 | 2 | 30 | High Speed Phase A-C Voltage | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0090H-0091H | 00145-00146 | 23 | 0 | 30 | High Speed Phase A VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0092H-0093H | 00147-00148 | 23 | 1 | 30 | High Speed Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0094H-0095H | 00149-00150 | 23 | 2 | 30 | High Speed Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0096H-0097H | 00151-00152 | 24 | 0 | 30 | High Speed Three Phase VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0098H-0099H | 00153-00154 | 25 | 0 | 30 | High Speed Phase A VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 009AH-009BH | 00155-00156 | 25 | 1 | 30 | High Speed Phase B VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 009CH-009DH | 00157-00158 | 25 | 2 | 30 | High SpeedPhase C VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 009EH-009FH | 00159-00160 | 26 | 0 | 30 | High Speed Three Phase VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 00A0H-00A1H | 00161-00162 | 27 | 0 | 30 | High Speed Phase A Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00A2H-00A3H | 00163-00164 | 27 | 1 | 30 | High Speed Phase B Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00A4H-00A5H | 00165-00166 | 27 | 2 | 30 | High Speed Phase C Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00A6H-00A7H | 00167-00168 | 28 | 0 | 30 | High Speed Three Phase Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00A8H-00A9H | 00169-00170 | 29 | 0 | 30 | High Speed Frequency | +32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 00AAH | 00171 | 30 | 0 | 30 | High Speed Phase A Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 00ABH | 00172 | 30 | 1 | 30 | High Speed Phase B Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 00ACH | 00173 | 30 | 2 | 30 | High Speed Phase C Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 00ADH | 00174 | 31 | 0 | 30 | High Speed Three Phase Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 00AEH | 00175 | 32 | 0 | 30 | High Speed Phase A-N Voltage to Auxiliary Voltage Phase Angle | + 180 / - 180 | 0.01 degree | F9 | R | |

| | One Second Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 00AFH-00B2H | 00176-00179 | 33 | 0 | 50 | One second Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 00B3H-00B4H | 00180-00181 | 34 | 0 | 30 | One second Phase A-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00B5H-00B6H | 00182-00183 | 34 | 1 | 30 | One second Phase B-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00B7H-00B8H | 00184-00185 | 34 | 2 | 30 | One second Phase C-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00B9H-00BAH | 00186-00187 | 35 | 0 | 30 | One second Vaux Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00BBH-00BCH | 00188-00189 | 36 | 0 | 30 | One second Phase A Current | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00BDH-00BEH | 00190-00191 | 36 | 1 | 30 | One second Phase B Current | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00BFH-00C0H | 00192-00193 | 36 | 2 | 30 | One second Phase C Current | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00C1H-00C2H | 00194-00195 | 37 | 0 | 30 | One second Measured Neutral Current | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| 00C3H-00C4H | 00196-00197 | 38 | 0 | 30 | One second Calculated Neutral Current | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00C5H-00C6H | 00198-00199 | 39 | 0 | 30 | One second Phase A-B Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00C7H-00C8H | 00200-00201 | 39 | 1 | 30 | One second Phase B-C Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00C9H-00CAH | 00202-00203 | 39 | 2 | 30 | One second Phase C-A Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00CBH-00CCH | 00204-00205 | 40 | 0 | 30 | One second Phase A VA | + 32767 V / 0 V | 1/ 65536 VA sec | F7 | R | 9 |
| 00CDH-00CEH | 00206-00207 | 40 | 1 | 30 | One second Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 00CFH-00D0H | 00208-00209 | 40 | 2 | 30 | One second Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 00D1H-00D2H | 00210-00211 | 41 | 0 | 30 | One second VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 00D3H-00D4H | 00212-00213 | 42 | 0 | 30 | One second Phase A VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 00D5H-00D6H | 00214-00215 | 42 | 1 | 30 | One second Phase B VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 00D7H-00D8H | 00216-00217 | 42 | 2 | 30 | One second Phase C VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 00D9H-00DAH | 00218-00219 | 43 | 0 | 30 | One second Three VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 00DBH-00DCH | 00220-00221 | 44 | 0 | 30 | One second Phase A Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00DDH-00DEH | 00222-00223 | 44 | 1 | 30 | One second Phase B Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00DFH-00E0H | 00224-00225 | 44 | 2 | 30 | One second Phase C Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00E1H-00E2H | 00226-00227 | 45 | 0 | 30 | One second Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 00E3H-00E4H | 00228-00229 | 46 | 0 | 30 | One second Frequency | + 32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 00E5H | 00230 | 47 | 0 | 30 | One second Phase A Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 00E6H | 00231 | 47 | 1 | 30 | One second Phase B Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 00E7H | 00232 | 47 | 2 | 30 | One second Phase C Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 00E8H | 00233 | 48 | 0 | 30 | One second Three Phase Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 00E9H | 00234 | 49 | 0 | 30 | One second Voltage Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 00EAH | 00235 | 49 | 1 | 30 | One second Current Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |

| | Thermal Average Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 00EBH-00EEH | 00236-00239 | 50 | 0 | 50 | Thermal Average Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 00EFH-00F0H | 00240-00241 | 51 | 0 | 30 | Thermal Average Phase A-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00F1H-00F2H | 00242-00243 | 51 | 1 | 30 | Thermal Average Phase B-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00F3H-00F4H | 00244-00245 | 51 | 2 | 30 | Thermal Average Phase C-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00F5H-00F6H | 00246-00247 | 52 | 0 | 30 | Thermal Average Aux Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 00F7H-00F8H | 00248-00249 | 53 | 0 | 30 | Thermal Average Phase A Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00F9H-00FAH | 00250-00251 | 53 | 1 | 30 | Thermal Average Phase B Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00FBH-00FCH | 00252-00253 | 53 | 2 | 30 | Thermal Average Phase C Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 00FDH-00FEH | 00254-00255 | 54 | 0 | 30 | Thermal Average Measured Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| 00FFH-0100H | 00256-00257 | 55 | 0 | 30 | Thermal Average Calculated Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 0101H-0102H | 00258-00259 | 56 | 0 | 30 | Thermal Average Phase A-B Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0103H-0104H | 00260-00261 | 56 | 1 | 30 | Thermal Average Phase B-C Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0105H-0106H | 00262-00263 | 56 | 2 | 30 | Thermal Average Phase C-A Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0107H-0108H | 00264-00265 | 57 | 0 | 30 | Thermal Average Phase A VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0109H-010AH | 00266-00267 | 57 | 1 | 30 | Thermal Average Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 010BH-010CH | 00268-00269 | 57 | 2 | 30 | Thermal Average Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 010DH-010EH | 00270-00271 | 58 | 0 | 30 | Thermal Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 010FH-0110H | 00272-00273 | 59 | 0 | 30 | Thermal Average Phase A VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0111H-0112H | 00274-00275 | 59 | 1 | 30 | Thermal Average Phase B VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0113H-0114H | 00276-00277 | 59 | 2 | 30 | Thermal Average Phase C VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0115H-0116H | 00278-00279 | 60 | 0 | 30 | Thermal Average VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0117H-0118H | 00280-00281 | 61 | 0 | 30 | Thermal Average Phase A Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0119H-011AH | 00282-00283 | 61 | 1 | 30 | Thermal Average Phase B Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 011BH-011CH | 00284-00285 | 61 | 2 | 30 | Thermal Average Phase C Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 011DH-011EH | 00286-00287 | 62 | 0 | 30 | Thermal Average Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 011FH-0120H | 00288-00289 | 63 | 0 | 30 | Thermal Average Frequency | + 32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 0121H | 00290 | 64 | 0 | 30 | Thermal Average Phase A Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 0122H | 00291 | 64 | 1 | 30 | Thermal Average Phase B Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 0123H | 00292 | 64 | 2 | 30 | Thermal Average Phase C Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 0124H | 00293 | 65 | 0 | 30 | Thermal Average Power Factor | 3.999 / 0 | 0.001 PF | F8 | R | |
| 0125H | 00294 | 66 | 0 | 30 | Thermal Average Voltage Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0126H | 00295 | 66 | 1 | 30 | Thermal Average Current Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| | Maximum Block | | | | | | | | | |
| 0127H-012AH | 00296-00299 | 67 | 0 | 50 | Maximum Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 012BH-012CH | 00300-00301 | 68 | 0 | 30 | Maximum Thermal Average Phase A-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 012DH-012EH | 00302-00303 | 68 | 1 | 30 | Maximum Thermal Average Phase B-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 012FH-0130H | 00304-00305 | 68 | 2 | 30 | Maximum Thermal Average Phase C-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0133H-0134H | 00308-00309 | 70 | 0 | 30 | Maximum Thermal Average Phase A Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 0135H-0136H | 00310-00311 | 70 | 1 | 30 | Maximum Thermal Average Phase B Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 0137H-0138H | 00312-00313 | 70 | 2 | 30 | Maximum Thermal Average Phase C Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 0139H-013AH | 00314-00315 | 71 | 0 | 30 | Maximum Thermal Average Measured Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| 013BH-013CH | 00316-00317 | 72 | 0 | 30 | Maximum Thermal Average Calculated Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 013DH-013EH | 00318-00319 | 73 | 0 | 30 | Maximum Thermal Average Phase A-B Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 013FH-0140H | 00320-00321 | 73 | 1 | 30 | Maximum Thermal Average Phase B-C Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0141H-0142H | 00322-00323 | 73 | 2 | 30 | Maximum Thermal Average Phase C-A Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0143H-0144H | 00324-00325 | 74 | 0 | 30 | Maximum Thermal Average Phase A VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0145H-0146H | 00326-00327 | 74 | 1 | 30 | Maximum Thermal Average Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0147H-0148H | 00328-00329 | 74 | 2 | 30 | Maximum Thermal Average Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0149H-014AH | 00330-00331 | 75 | 0 | 30 | Maximum Thermal Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 014BH-014CH | 00332-00333 | 76 | 0 | 30 | Maximum Thermal Average Phase A Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 014DH-014EH | 00334-00335 | 76 | 1 | 30 | Maximum Thermal Average Phase B Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 014FH-0150H | 00336-00337 | 76 | 2 | 30 | Maximum Thermal Average Phase C Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0151H-0152H | 00338-00339 | 77 | 0 | 30 | Maximum Thermal Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0153H-0154H | 00340-00341 | 78 | 0 | 30 | Maximum Thermal Average Phase A Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0155H-0156H | 00342-00343 | 78 | 1 | 30 | Maximum Thermal Average Phase B Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0157H-0158H | 00344-00345 | 78 | 2 | 30 | Maximum Thermal Average Phase C Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0159H-015AH | 00346-00347 | 79 | 0 | 30 | Maximum Thermal Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 015BH-015CH | 00348-00349 | 80 | 0 | 30 | Maximum Thermal Average Phase A Watts Positive | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 015DH-015EH | 00350-00351 | 80 | 1 | 30 | Maximum Thermal Average Phase B Watts Positive | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 015FH-0160H | 00352-00353 | 80 | 2 | 30 | Maximum Thermal Average Phase C Watts Positive | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 0161H-0162H | 00354-00355 | 81 | 0 | 30 | Maximum Thermal Average Positive Watts | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 0163H-0164H | 00356-00357 | 82 | 0 | 30 | Maximum Thermal Average Phase A Watts Negative | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0165H-0166H | 00358-00359 | 82 | 1 | 30 | Maximum Thermal Average Phase B Watts Negative | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0167H-0168H | 00360-00361 | 82 | 2 | 30 | Maximum Thermal Average Phase C Watts Negative | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0169H-016AH | 00362-00363 | 83 | 0 | 30 | Maximum Thermal Average Negative Watts | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 016BH-016CH | 00364-00365 | 84 | 0 | 30 | Maximum Thermal Average Frequency | + 32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 016DH | 00366 | 85 | 0 | 30 | Maximum Thermal Average Phase A Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 016EH | 00367 | 85 | 1 | 30 | Maximum Thermal Average Phase B Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 016FH | 00368 | 85 | 2 | 30 | Maximum Thermal Average Phase C Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 0170H | 00369 | 86 | 0 | 30 | Maximum Thermal Average Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 0171H | 00370 | 87 | 0 | 30 | Maximum Thermal Average Phase A Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 0172H | 00371 | 87 | 1 | 30 | Maximum Thermal Average Phase B Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 0173H | 00372 | 87 | 2 | 30 | Maximum Thermal Average Phase C Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 0174H | 00373 | 88 | 0 | 30 | Maximum Thermal Average Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 0175H | 00374 | 89 | 0 | 30 | Maximum Thermal Average Phase A Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0176H | 00375 | 89 | 1 | 30 | Maximum Thermal Average Phase B Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 0177H | 00376 | 89 | 2 | 30 | Maximum Thermal Average Phase C Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 0178H | 00377 | 90 | 0 | 30 | Maximum Thermal Average Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 0179H | 00378 | 91 | 0 | 30 | Maximum Thermal Average Phase A Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 017AH | 00379 | 91 | 1 | 30 | Maximum Thermal Average Phase B Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 017BH | 00380 | 91 | 2 | 30 | Maximum Thermal Average Phase C Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 017CH | 00381 | 92 | 0 | 30 | Maximum Thermal Average Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 017DH | 00382 | 93 | 0 | 30 | Maximum Thermal Average Voltage Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 017EH | 00383 | 93 | 1 | 30 | Maximum Thermal Average Current Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 017FH | 00384 | 94 | 0 | 30 | Maximum THD Phase A-N / A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0180H | 00385 | 94 | 1 | 30 | Maximum THD Phase B-N / B-C Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0181H | 00386 | 94 | 2 | 30 | Maximum THD Phase C-N / C-A Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0182H | 00387 | 95 | 0 | 30 | Maximum THD Phase A Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0183H | 00388 | 95 | 1 | 30 | Maximum THD Phase B Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0184H | 00389 | 95 | 2 | 30 | Maximum THD Phase C Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0185H | 00390 | 96 | 0 | 30 | Maximum K-Factor Phase A Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 0186H | 00391 | 96 | 1 | 30 | Maximum K-Factor Phase B Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 0187H | 00392 | 96 | 2 | 30 | Maximum K-Factor Phase C Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 0188H-0189H | 00393-00394 | 97 | 0 | 30 | Coincident Thermal Average VAR for Maximum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 W sec | F7 | R | 9 |
| 018AH-018BH | 00395-00396 | 97 | 1 | 30 | Coincident Thermal Average VAR for Maximum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 W sec | F7 | R | 9 |
| | Minimum Block | | | | | | | | | |
| 018CH-018FH | 00397-00400 | 98 | 0 | 50 | Minimum Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0190H-0191H | 00401-00402 | 99 | 0 | 30 | Minimum Thermal Average Phase A-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0192H-0193H | 00403-00404 | 99 | 1 | 30 | Minimum Thermal Average Phase B-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0194H-0195H | 00405-00406 | 99 | 2 | 30 | Minimum Thermal Average Phase C-N Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0196H-0197H | 00407-00408 | 100 | 0 | 30 | Minimum Thermal Average Vaux Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 0198H-0199H | 00409-00410 | 101 | 0 | 30 | Minimum Thermal Average Phase A Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 019AH-019BH | 00411-00412 | 101 | 1 | 30 | Minimum Thermal Average Phase B Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 019CH-019DH | 00413-00414 | 101 | 2 | 30 | Minimum Thermal Average Phase C Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 019EH-019FH | 00415-00416 | 102 | 0 | 30 | Minimum Thermal Average Measured Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| 01A0H-01A1H | 00417-00418 | 103 | 0 | 30 | Minimum Thermal Average Calculated Neutral Current | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 01A2H-01A3H | 00419-00420 | 104 | 0 | 30 | Minimum Thermal Average Phase A-B Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 01A4H-01A5H | 00421-00422 | 104 | 1 | 30 | Minimum Thermal Average Phase B-C Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 01A6H-01A7H | 00423-00424 | 104 | 2 | 30 | Minimum Thermal Average Phase C-A Voltage | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 4 |
| 01A8H-01A9H | 00425-00426 | 105 | 0 | 30 | Minimum Thermal Average Phase A VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 01AAH-01ABH | 00427-00428 | 105 | 1 | 30 | Minimum Thermal Average Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 01ACH-01ADH | 00429-00430 | 105 | 2 | 30 | Minimum Thermal Average Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 01AEH-01AFH | 00431-00432 | 106 | 0 | 30 | Minimum Thermal Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 01B0H-01B1H | 00433-00434 | 107 | 0 | 30 | Minimum Thermal Average Phase A Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01B2H-01B3H | 00435-00436 | 107 | 1 | 30 | Minimum Thermal Average Phase B Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01B4H-01B5H | 00437-00438 | 107 | 2 | 30 | Minimum Thermal Average Phase C Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01B6H-01B7H | 00439-00440 | 108 | 0 | 30 | Minimum Thermal Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 01B8H-01B9H | 00441-00442 | 109 | 0 | 30 | Minimum Thermal Average Phase A Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01BAH-01BBH | 00443-00444 | 109 | 1 | 30 | Minimum Thermal Average Phase B Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01BCH-01BDH | 00445-00446 | 109 | 2 | 30 | Minimum Thermal Average Phase C Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01BEH-01BFH | 00447-00448 | 110 | 0 | 30 | Minimum Thermal Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 01C0H-01C1H | 00449-00450 | 111 | 0 | 30 | Minimum Thermal Average Phase A Positive Watts | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 01C2H-01C3H | 00451-00452 | 111 | 1 | 30 | Minimum Thermal Average Phase B Positive Watts | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 01C4H-01C5H | 00453-00454 | 111 | 2 | 30 | Minimum Thermal Average Phase C Positive Watts | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 01C6H-01C7H | 00455-00456 | 112 | 0 | 30 | Minimum Thermal Average Positive Watts | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | 9 |
| 01C8H-01C9H | 00457-00458 | 113 | 0 | 30 | Minimum Thermal Average Phase A Negative Watts | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 01CAH-01CBH | 00459-00460 | 113 | 1 | 30 | Minimum Thermal Average Phase B Negative Watts | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 01CCH-01CDH | 00461-00462 | 113 | 2 | 30 | Minimum Thermal Average Phase C Negative Watts | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 01CEH-01CFH | 00463-00464 | 114 | 0 | 30 | Minimum Thermal Average Negative Watts | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 01D0H-01D1H | 00465-00466 | 115 | 0 | 30 | Minimum Thermal Average Frequency | + 32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 01D2H | 00467 | 116 | 0 | 30 | Minimum Thermal Average Phase A Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 01D3H | 00468 | 116 | 1 | 30 | Minimum Thermal Average Phase B Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 01D4H | 00469 | 116 | 2 | 30 | Minimum Thermal Average Phase C Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 01D5H | 00470 | 117 | 0 | 30 | Minimum Thermal Average Power Factor Quadrant 1 | 0.999 / 0 | 0.001 PF | F8 | R | |
| 01D6H | 00471 | 118 | 0 | 30 | Minimum Thermal Average Phase A Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 01D7H | 00472 | 118 | 1 | 30 | Minimum Thermal Average Phase B Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 01D8H | 00473 | 118 | 2 | 30 | Minimum Thermal Average Phase C Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 01D9H | 00474 | 119 | 0 | 30 | Minimum Thermal Average Power Factor Quadrant 2 | 3.999 / 3.000 | 0.001 PF | F8 | R | |
| 01DAH | 00475 | 120 | 0 | 30 | Minimum Thermal Average Phase A Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 01DBH | 00476 | 120 | 1 | 30 | Minimum Thermal Average Phase B Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 01DCH | 00477 | 120 | 2 | 30 | Minimum Thermal Average Phase C Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 01DDH | 00478 | 121 | 0 | 30 | Minimum Thermal Average Power Factor Quadrant 3 | 2.999 / 2.000 | 0.001 PF | F8 | R | |
| 01DEH | 00479 | 122 | 0 | 30 | Minimum Thermal Average Phase A Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 01DFH | 00480 | 122 | 1 | 30 | Minimum Thermal Average Phase B Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 01E0H | 00481 | 122 | 2 | 30 | Minimum Thermal Average Phase C Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 01E1H | 00482 | 123 | 0 | 30 | Minimum Thermal Average Power Factor Quadrant 4 | 1.999 / 1.000 | 0.001 PF | F8 | R | |
| 01E2H | 00483 | 124 | 0 | 30 | Minimum Thermal Average Voltage Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E3H | 00484 | 124 | 1 | 30 | Minimum Thermal Average Current Imbalance | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E4H | 00485 | 125 | 0 | 30 | Minimum THD Phase A-N Voltage / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E5H | 00486 | 125 | 1 | 30 | Minimum THD Phase B-N Voltage / Phase B-C Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E6H | 00487 | 125 | 2 | 30 | Minimum THD Phase C-N Voltage / Phase C-A Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E7H | 00488 | 126 | 0 | 30 | Minimum THD Phase A Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E8H | 00489 | 126 | 1 | 30 | Minimum THD Phase B Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01E9H | 00490 | 126 | 2 | 30 | Minimum THD Phase C Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 01EAH | 00491 | 127 | 0 | 30 | Minimum K-Factor Phase A Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 01EBH | 00492 | 127 | 1 | 30 | Minimum K-Factor Phase B Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 01ECH | 00493 | 127 | 2 | 30 | Minimum K-Factor Phase C Current | 327.67 / -327.68 | 0.01 | F67 | R | |
| 01EDH-01EEH | 00494-00495 | 128 | 0 | 30 | Coincident Thermal Average VAR for Minimum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 W sec | F7 | R | 9 |
| 01EFH-01F0H | 00496-00497 | 128 | 1 | 30 | Coincident Thermal Average VAR for Minimum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 W sec | F7 | R | 9 |
| | Maximum Time Stamp Block | | | | | | | | | |
| 01F1H-01F4H | 00498-00501 | 129 | 0 | 50 | Maximum Thermal Average Phase A-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 01F5H-01F8H | 00502-00505 | 129 | 1 | 50 | Maximum Thermal Average Phase B-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 01F9H-01FCH | 00506-00509 | 129 | 2 | 50 | Maximum Thermal Average Phase C-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 01FDH-0200H | 00510-00513 | 129 | 3 | 50 | Maximum Thermal Average Auxiliary Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0201H-0204H | 00514-00517 | 129 | 4 | 50 | Maximum Thermal Average Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0205H-0208H | 00518-00521 | 129 | 5 | 50 | Maximum Thermal Average Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0209H-020CH | 00522-00525 | 129 | 6 | 50 | Maximum Thermal Average Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 020DH-0210H | 00526-00529 | 129 | 7 | 50 | Maximum Thermal Average Measured Neutral Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0211H-0214H | 00530-00533 | 129 | 8 | 50 | Maximum Thermal Average Calculated Neutral Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0215H-0218H | 00534-00537 | 129 | 9 | 50 | Maximum Thermal Average Phase A-B Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0219H-021CH | 00538-00541 | 129 | 10 | 50 | Maximum Thermal Average Phase B-C Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 021DH-0220H | 00542-00545 | 129 | 11 | 50 | Maximum Thermal Average Phase C-A Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0221H-0224H | 00546-00549 | 129 | 12 | 50 | Maximum Thermal Average Phase A VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0225H-0228H | 00550-00553 | 129 | 13 | 50 | Maximum Thermal Average Phase B VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0229H-022CH | 00554-00557 | 129 | 14 | 50 | Maximum Thermal Average Phase C VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 022DH-0230H | 00558-00561 | 129 | 15 | 50 | Maximum Thermal Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0231H-0234H | 00562-00565 | 129 | 16 | 50 | Maximum Thermal Average Phase A Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0235H-0238H | 00566-00569 | 129 | 17 | 50 | Maximum Thermal Average Phase B Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0239H-023CH | 00570-00573 | 129 | 18 | 50 | Maximum Thermal Average Phase C Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 023DH-0240H | 00574-00577 | 129 | 19 | 50 | Maximum Thermal Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0241H-0244H | 00578-00581 | 129 | 20 | 50 | Maximum Thermal Average Phase A Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0245H-0248H | 00582-00585 | 129 | 21 | 50 | Maximum Thermal Average Phase B Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0249H-024CH | 00586-00589 | 129 | 22 | 50 | Maximum Thermal Average Phase C Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 024DH-0250H | 00590-00593 | 129 | 23 | 50 | Maximum Thermal Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0251H-0254H | 00594-00597 | 129 | 24 | 50 | Maximum Thermal Average Phase A Watts Positive Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0255H-0258H | 00598-00601 | 129 | 25 | 50 | Maximum Thermal Average Phase B Watts Positive Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0259H-025CH | 00602-00605 | 129 | 26 | 50 | Maximum Thermal Average Phase C Watts Positive Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 025DH-0260H | 00606-00609 | 129 | 27 | 50 | Maximum Thermal Average Positive Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0261H-0264H | 00610-00613 | 129 | 28 | 50 | Maximum Thermal Average Phase A Watts Negative Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0265H-0268H | 00614-00617 | 129 | 29 | 50 | Maximum Thermal Average Phase B Watts Negative Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0269H-026CH | 00618-00621 | 129 | 30 | 50 | Maximum Thermal Average Phase C Watts Negative Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 026DH-0270H | 00622-00625 | 129 | 31 | 50 | Maximum Thermal Average Negative Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0271H-0274H | 00626-00629 | 129 | 32 | 50 | Maximum Thermal Average Frequency Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0275H-0278H | 00630-00633 | 129 | 33 | 50 | Maximum Thermal Average Phase A Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0279H-027CH | 00634-00637 | 129 | 34 | 50 | Maximum Thermal Average Phase B Power Factor Quadrant 1 | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 027DH-0280H | 00638-00641 | 129 | 35 | 50 | Maximum Thermal Average Phase C Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0281H-0284H | 00642-00645 | 129 | 36 | 50 | Maximum Thermal Average Power Factor Quadrant 1 | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0285H-0288H | 00646-00649 | 129 | 37 | 50 | Maximum Thermal Average Phase A Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0289H-028CH | 00650-00653 | 129 | 38 | 50 | Maximum Thermal Average Phase B Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 028DH-0290H | 00654-00657 | 129 | 39 | 50 | Maximum Thermal Average Phase C Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0291H-0294H | 00658-00661 | 129 | 40 | 50 | Maximum Thermal Average Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0295H-0298H | 00662-00665 | 129 | 41 | 50 | Maximum Thermal Average Phase A Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0299H-029CH | 00666-00669 | 129 | 42 | 50 | Maximum Thermal Average Phase B Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 029DH-02A0H | 00670-00673 | 129 | 43 | 50 | Maximum Thermal Average Phase C Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02A1H-02A4H | 00674-00677 | 129 | 44 | 50 | Maximum Thermal Average Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02A5H-02A8H | 00678-00681 | 129 | 45 | 50 | Maximum Thermal Average Phase A Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02A9H-02ACH | 00682-00685 | 129 | 46 | 50 | Maximum Thermal Average Phase B Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02ADH-02B0H | 00686-00689 | 129 | 47 | 50 | Maximum Thermal Average Phase C Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02B1H-02B4H | 00690-00693 | 129 | 48 | 50 | Maximum Thermal Average Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02B5H-02B8H | 00694-00697 | 129 | 49 | 50 | Maximum Thermal Average Voltage Imbalance Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02B9H-02BCH | 00698-00701 | 129 | 50 | 50 | Maximum Thermal Average Current Imbalance Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02BDH-02C0H | 00702-00705 | 129 | 51 | 50 | Maximum THD Phase A-N / A-B Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02C1H-02C4H | 00706-00709 | 129 | 52 | 50 | Maximum THD Phase B-N / B-C Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02C5H-02C8H | 00710-00713 | 129 | 53 | 50 | Maximum THD Phase C-N / C-A Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02C9H-02CCH | 00714-00717 | 129 | 54 | 50 | Maximum THD Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02CDH-02D0H | 00718-00721 | 129 | 55 | 50 | Maximum THD Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02D1H-02D4H | 00722-00725 | 129 | 56 | 50 | Maximum THD Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02D5H-02D8H | 00726-00729 | 129 | 57 | 50 | Maximum K-Factor Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02D9H-02DCH | 00730-00733 | 129 | 58 | 50 | Maximum K-Factor Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02DDH-02E0H | 00734-00737 | 129 | 59 | 50 | Maximum K-Factor Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

| | Minimum Time Stamp Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 02E1H-02E4H | 00738-00741 | 130 | 0 | 50 | Minimum Thermal Average Phase A-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02E5H-02E8H | 00742-00745 | 130 | 1 | 50 | Minimum Thermal Average Phase B-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02E9H-02ECH | 00746-00749 | 130 | 2 | 50 | Minimum Thermal Average Phase C-N Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02EDH-02F0H | 00750-00753 | 130 | 3 | 50 | Minimum Thermal Average Auxiliary Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02F1H-02F4H | 00754-00757 | 130 | 4 | 50 | Minimum Thermal Average Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02F5H-02F8H | 00758-00761 | 130 | 5 | 50 | Minimum Thermal Average Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02F9H-02FCH | 00762-00765 | 130 | 6 | 50 | Minimum Thermal Average Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 02FDH-0300H | 00766-00769 | 130 | 7 | 50 | Minimum Thermal Average Measured Neutral Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0301H-0304H | 00770-00773 | 130 | 8 | 50 | Minimum Thermal Average Calculated Neutral Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0305H-0308H | 00774-00777 | 130 | 9 | 50 | Minimum Thermal Average Phase A-B Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0309H-030CH | 00778-00781 | 130 | 10 | 50 | Minimum Thermal Average Phase B-C Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 030DH-0310H | 00782-00785 | 130 | 11 | 50 | Minimum Thermal Average Phase C-A Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0311H-0314H | 00786-00789 | 130 | 12 | 50 | Minimum Thermal Average Phase A VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0315H-0318H | 00790-00793 | 130 | 13 | 50 | Minimum Thermal Average Phase B VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0319H-031CH | 00794-00797 | 130 | 14 | 50 | Minimum Thermal Average Phase C VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 031DH-0320H | 00798-00801 | 130 | 15 | 50 | Minimum Thermal Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0321H-0324H | 00802-00805 | 130 | 16 | 50 | Minimum Thermal Average Phase A Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0325H-0328H | 00806-00809 | 130 | 17 | 50 | Minimum Thermal Average Phase B Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0329H-032CH | 00810-00813 | 130 | 18 | 50 | Minimum Thermal Average Phase C Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 032DH-0330H | 00814-00817 | 130 | 19 | 50 | Minimum Thermal Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0331H-0334H | 00818-00821 | 130 | 20 | 50 | Minimum Thermal Average Phase A Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0335H-0338H | 00822-00825 | 130 | 21 | 50 | Minimum Thermal Average Phase B Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0339H-033CH | 00826-00829 | 130 | 22 | 50 | Minimum Thermal Average Phase C Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 033DH-0340H | 00830-00833 | 130 | 23 | 50 | Minimum Thermal Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0341H-0344H | 00834-00837 | 130 | 24 | 50 | Minimum Thermal Average Phase A Positive Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0345H-0348H | 00838-00841 | 130 | 25 | 50 | Minimum Thermal Average Phase B Positive Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0349H-034CH | 00842-00845 | 130 | 26 | 50 | Minimum Thermal Average Phase C Positive Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 034DH-0350H | 00846-00849 | 130 | 27 | 50 | Minimum Thermal Average Positive Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0351H-0354H | 00850-00853 | 130 | 28 | 50 | Minimum Thermal Average Phase A Negative Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0355H-0358H | 00854-00857 | 130 | 29 | 50 | Minimum Thermal Average Phase B Negative Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0359H-035CH | 00858-00861 | 130 | 30 | 50 | Minimum Thermal Average Phase C Negative Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 035DH-0360H | 00862-00865 | 130 | 31 | 50 | Minimum Thermal Average Negative Watts Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0361H-0364H | 00866-00869 | 130 | 32 | 50 | Minimum Thermal Average Frequency Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0365H-0368H | 00870-00873 | 130 | 33 | 50 | Minimum Thermal Average Phase A Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0369H-036CH | 00874-00877 | 130 | 34 | 50 | Minimum Thermal Average Phase B Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 036DH-0370H | 00878-00881 | 130 | 35 | 50 | Minimum Thermal Average Phase C Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0371H-0374H | 00882-00885 | 130 | 36 | 50 | Minimum Thermal Average Power Factor Quadrant 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0375H-0378H | 00886-00889 | 130 | 37 | 50 | Minimum Thermal Average Phase A Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0379H-037CH | 00890-00893 | 130 | 38 | 50 | Minimum Thermal Average Phase B Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 037DH-0380H | 00894-00897 | 130 | 39 | 50 | Minimum Thermal Average Phase C Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0381H-0384H | 00898-00901 | 130 | 40 | 50 | Minimum Thermal Average Power Factor Quadrant 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0385H-0388H | 00902-00905 | 130 | 41 | 50 | Minimum Thermal Average Phase A Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0389H-038CH | 00906-00909 | 130 | 42 | 50 | Minimum Thermal Average Phase B Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 038DH-0390H | 00910-00913 | 130 | 43 | 50 | Minimum Thermal Average Phase C Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0391H-0394H | 00914-00917 | 130 | 44 | 50 | Minimum Thermal Average Power Factor Quadrant 3 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0395H-0398H | 00918-00921 | 130 | 45 | 50 | Minimum Thermal Average Phase A Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0399H-039CH | 00922-00925 | 130 | 46 | 50 | Minimum Thermal Average Phase B Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 039DH-03A0H | 00926-00929 | 130 | 47 | 50 | Minimum Thermal Average Phase C Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03A1H-03A4H | 00930-00933 | 130 | 48 | 50 | Minimum Thermal Average Power Factor Quadrant 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03A5H-03A8H | 00934-00937 | 130 | 49 | 50 | Minimum Thermal Average Voltage Imbalance Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03A9H-03ACH | 00938-00941 | 130 | 50 | 50 | Minimum Thermal Average Current Imbalance Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03ADH-03B0H | 00942-00945 | 130 | 51 | 50 | Minimum THD Phase A-N Voltage / Phase A-B Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03B1H-01B4H | 00946-00949 | 130 | 52 | 50 | Minimum THD Phase B-N Voltage / Phase B-C Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03B5H-03B8H | 00950-00953 | 130 | 53 | 50 | Minimum THD Phase C-N Voltage / Phase C-A Voltage Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03B9H-03BCH | 00954-00957 | 130 | 54 | 50 | Minimum THD Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03BDH-03C0H | 00958-00961 | 130 | 55 | 50 | Minimum THD Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03C1H-03C4H | 00962-00965 | 130 | 56 | 50 | Minimum THD Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03C5H-03C8H | 00966-00969 | 130 | 57 | 50 | Minimum K-Factor Phase A Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03C9H-03CCH | 00970-00973 | 130 | 58 | 50 | Minimum K-Factor Phase B Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03CDH-03D0H | 00974-00977 | 130 | 59 | 50 | Minimum K-Factor Phase C Current Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| | Energy Block (Secondary) | | | | | | | | | |
| 03D1H-03D4H | 00978-00981 | 131 | 0 | 50 | Energy Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 03D5H-03D8H | 00982-00985 | 132 | 0 | 20 | VAhour (BCD) | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F11 | R | |
| 03D9H-03DCH | 00986-00989 | 132 | 1 | 20 | Positive VARhour (BCD) | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F11 | R | |
| 03DDH-03E0H | 00990-00993 | 132 | 2 | 20 | Negative VARhour (BCD) | 0 VARh / -9,999,999,999,999,999 VARh | 1 $VAR_H$ | F11 | R | |
| 03E1H-03E4H | 00994-00997 | 132 | 3 | 20 | Positive Watthour (BCD) | +9,999,999,999,999,999 Wh / 0 Wh | 1 $W_H$ | F11 | R | |
| 03E5H-03E8H | 00998-01001 | 132 | 4 | 20 | Negative Watthour (BCD) | 0 Wh / -9,999,999,999,999,999 Wh | 1 $W_H$ | F11 | R | |
| 03E9H-03ECH | 01002-01005 | 133 | 0 | 20 | VAhour (Binary) | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 03EDH-03F0H | 01006-01009 | 133 | 1 | 20 | Positive VARhour (Binary) | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 03F1H-03F4H | 01010-01013 | 133 | 2 | 20 | Negative VARhour (Binary) | 0 VARh / -9,999,999,999,999,999 VARh | 1 $VAR_H$ | F12 | R | |
| 03F5H-03F8H | 01014-01017 | 133 | 3 | 20 | Positive Watthour (Binary) | +9,999,999,999,999,999 Wh / 0 Wh | 1 $W_H$ | F12 | R | |
| 03F9H-03FCH | 01018-01021 | 133 | 4 | 20 | Negative Watthour (Binary) | 0 Wh / -9,999,999,999,999,999 Wh | 1 $W_H$ | F12 | R | |
| | Harmonic Magnitude Block (IEC 61000-4-30 1.6 sec Update) | | | | | | | | | |
| 03FDH | 01022 | 134 | 0 | 30 | Phase A-N / Phase A-B Voltage $0^{th}$ Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 03FEH | 01023 | 134 | 1 | 30 | Phase A-N / Phase A-B Voltage $1^{st}$ Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 03FFH | 01024 | 134 | 2 | 30 | Phase A-N / Phase A-B Voltage $2^{nd}$ Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0400H | 01025 | 134 | 3 | 30 | Phase A-N / Phase A-B Voltage $3^{rd}$ Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0401H | 01026 | 134 | 4 | 30 | Phase A-N / Phase A-B Voltage 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0402H | 01027 | 134 | 5 | 30 | Phase A-N / Phase A-B Voltage 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0403H | 01028 | 134 | 6 | 30 | Phase A-N / Phase A-B Voltage 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0404H | 01029 | 134 | 7 | 30 | Phase A-N / Phase A-B Voltage 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0405H | 01030 | 135 | 0 | 30 | Phase A-N / Phase A-B Voltage 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0406H | 01031 | 135 | 1 | 30 | Phase A-N / Phase A-B Voltage 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0407H | 01032 | 135 | 2 | 30 | Phase A-N / Phase A-B Voltage 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0408H | 01033 | 135 | 3 | 30 | Phase A-N / Phase A-B Voltage 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0409H | 01034 | 135 | 4 | 30 | Phase A-N / Phase A-B Voltage 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040AH | 01035 | 135 | 5 | 30 | Phase A-N / Phase A-B Voltage 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040BH | 01036 | 135 | 6 | 30 | Phase A-N / Phase A-B Voltage 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040CH | 01037 | 135 | 7 | 30 | Phase A-N / Phase A-B Voltage 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040DH | 01038 | 136 | 0 | 30 | Phase A-N / Phase A-B Voltage 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040EH | 01039 | 136 | 1 | 30 | Phase A-N / Phase A-B Voltage 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 040FH | 01040 | 136 | 2 | 30 | Phase A-N / Phase A-B Voltage 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0410H | 01041 | 136 | 3 | 30 | Phase A-N / Phase A-B Voltage 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0411H | 01042 | 136 | 4 | 30 | Phase A-N / Phase A-B Voltage 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0412H | 01043 | 136 | 5 | 30 | Phase A-N / Phase A-B Voltage 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0413H | 01044 | 136 | 6 | 30 | Phase A-N / Phase A-B Voltage 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0414H | 01045 | 136 | 7 | 30 | Phase A-N / Phase A-B Voltage 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0415H | 01046 | 136 | 8 | 30 | Phase A-N / Phase A-B Voltage 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0416H | 01047 | 136 | 9 | 30 | Phase A-N / Phase A-B Voltage 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0417H | 01048 | 136 | 10 | 30 | Phase A-N / Phase A-B Voltage 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0418H | 01049 | 136 | 11 | 30 | Phase A-N / Phase A-B Voltage 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0419H | 01050 | 136 | 12 | 30 | Phase A-N / Phase A-B Voltage 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041AH | 01051 | 136 | 13 | 30 | Phase A-N / Phase A-B Voltage 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041BH | 01052 | 136 | 14 | 30 | Phase A-N / Phase A-B Voltage 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041CH | 01053 | 136 | 15 | 30 | Phase A-N / Phase A-B Voltage 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041DH | 01054 | 137 | 0 | 30 | Phase A-N / Phase A-B Voltage 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041EH | 01055 | 137 | 1 | 30 | Phase A-N / Phase A-B Voltage 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 041FH | 01056 | 137 | 2 | 30 | Phase A-N / Phase A-B Voltage 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0420H | 01057 | 137 | 3 | 30 | Phase A-N / Phase A-B Voltage 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0421H | 01058 | 137 | 4 | 30 | Phase A-N / Phase A-B Voltage 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0422H | 01059 | 137 | 5 | 30 | Phase A-N / Phase A-B Voltage 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0423H | 01060 | 137 | 6 | 30 | Phase A-N / Phase A-B Voltage 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0424H | 01061 | 137 | 7 | 30 | Phase A-N / Phase A-B Voltage 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0425H | 01062 | 137 | 8 | 30 | Phase A-N / Phase A-B Voltage 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0426H | 01063 | 137 | 9 | 30 | Phase A-N / Phase A-B Voltage 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0427H | 01064 | 137 | 10 | 30 | Phase A-N / Phase A-B Voltage 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0428H | 01065 | 137 | 11 | 30 | Phase A-N / Phase A-B Voltage 43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0429H | 01066 | 137 | 12 | 30 | Phase A-N / Phase A-B Voltage 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042AH | 01067 | 137 | 13 | 30 | Phase A-N / Phase A-B Voltage 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042BH | 01068 | 137 | 14 | 30 | Phase A-N / Phase A-B Voltage 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042CH | 01069 | 137 | 15 | 30 | Phase A-N / Phase A-B Voltage 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042DH | 01070 | 137 | 16 | 30 | Phase A-N / Phase A-B Voltage 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042EH | 01071 | 137 | 17 | 30 | Phase A-N / Phase A-B Voltage 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 042FH | 01072 | 137 | 18 | 30 | Phase A-N / Phase A-B Voltage 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0430H | 01073 | 137 | 19 | 30 | Phase A-N / Phase A-B Voltage 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0431H | 01074 | 137 | 20 | 30 | Phase A-N / Phase A-B Voltage 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0432H | 01075 | 137 | 21 | 30 | Phase A-N / Phase A-B Voltage 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0433H | 01076 | 137 | 22 | 30 | Phase A-N / Phase A-B Voltage 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0434H | 01077 | 137 | 23 | 30 | Phase A-N / Phase A-B Voltage 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0435H | 01078 | 137 | 24 | 30 | Phase A-N / Phase A-B Voltage 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0436H | 01079 | 137 | 25 | 30 | Phase A-N / Phase A-B Voltage 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0437H | 01080 | 137 | 26 | 30 | Phase A-N / Phase A-B Voltage 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0438H | 01081 | 137 | 27 | 30 | Phase A-N / Phase A-B Voltage 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0439H | 01082 | 137 | 28 | 30 | Phase A-N / Phase A-B Voltage 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043AH | 01083 | 137 | 29 | 30 | Phase A-N / Phase A-B Voltage 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043BH | 01084 | 137 | 30 | 30 | Phase A-N / Phase A-B Voltage 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043CH | 01085 | 137 | 31 | 30 | Phase A-N / Phase A-B Voltage 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043DH | 01086 | 138 | 0 | 30 | Phase A-N / Phase A-B Voltage 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043EH | 01087 | 138 | 1 | 30 | Phase A-N / Phase A-B Voltage 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 043FH | 01088 | 138 | 2 | 30 | Phase A-N / Phase A-B Voltage 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0440H | 01089 | 138 | 3 | 30 | Phase A-N / Phase A-B Voltage 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0441H | 01090 | 138 | 4 | 30 | Phase A-N / Phase A-B Voltage 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0442H | 01091 | 138 | 5 | 30 | Phase A-N / Phase A-B Voltage 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0443H | 01092 | 138 | 6 | 30 | Phase A-N / Phase A-B Voltage 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0444H | 01093 | 138 | 7 | 30 | Phase A-N / Phase A-B Voltage 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0445H | 01094 | 138 | 8 | 30 | Phase A-N / Phase A-B Voltage 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0446H | 01095 | 138 | 9 | 30 | Phase A-N / Phase A-B Voltage 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0447H | 01096 | 138 | 10 | 30 | Phase A-N / Phase A-B Voltage 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0448H | 01097 | 138 | 11 | 30 | Phase A-N / Phase A-B Voltage 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0449H | 01098 | 138 | 12 | 30 | Phase A-N / Phase A-B Voltage 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044AH | 01099 | 138 | 13 | 30 | Phase A-N / Phase A-B Voltage 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044BH | 01100 | 138 | 14 | 30 | Phase A-N / Phase A-B Voltage 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044CH | 01101 | 138 | 15 | 30 | Phase A-N / Phase A-B Voltage 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044DH | 01102 | 138 | 16 | 30 | Phase A-N / Phase A-B Voltage 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044EH | 01103 | 138 | 17 | 30 | Phase A-N / Phase A-B Voltage 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 044FH | 01104 | 138 | 18 | 30 | Phase A-N / Phase A-B Voltage 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0450H | 01105 | 138 | 19 | 30 | Phase A-N / Phase A-B Voltage 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0451H | 01106 | 138 | 20 | 30 | Phase A-N / Phase A-B Voltage 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0452H | 01107 | 138 | 21 | 30 | Phase A-N / Phase A-B Voltage 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0453H | 01108 | 138 | 22 | 30 | Phase A-N / Phase A-B Voltage 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0454H | 01109 | 138 | 23 | 30 | Phase A-N / Phase A-B Voltage 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0455H | 01110 | 138 | 24 | 30 | Phase A-N / Phase A-B Voltage 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0456H | 01111 | 138 | 25 | 30 | Phase A-N / Phase A-B Voltage 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0457H | 01112 | 138 | 26 | 30 | Phase A-N / Phase A-B Voltage 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0458H | 01113 | 138 | 27 | 30 | Phase A-N / Phase A-B Voltage 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0459H | 01114 | 138 | 28 | 30 | Phase A-N / Phase A-B Voltage 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 045AH | 01115 | 138 | 29 | 30 | Phase A-N / Phase A-B Voltage 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 045BH | 01116 | 138 | 30 | 30 | Phase A-N / Phase A-B Voltage 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 045CH | 01117 | 138 | 31 | 30 | Phase A-N / Phase A-B Voltage 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 045DH | 01118 | 138 | 32 | 30 | Phase A-N / Phase A-B Voltage 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 045EH | 01119 | 138 | 33 | 30 | Phase A-N / Phase A-B Voltage 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 045FH | 01120 | 138 | 34 | 30 | Phase A-N / Phase A-B Voltage 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0460H | 01121 | 138 | 35 | 30 | Phase A-N / Phase A-B Voltage 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0461H | 01122 | 138 | 36 | 30 | Phase A-N / Phase A-B Voltage 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0462H | 01123 | 138 | 37 | 30 | Phase A-N / Phase A-B Voltage 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0463H | 01124 | 138 | 38 | 30 | Phase A-N / Phase A-B Voltage 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0464H | 01125 | 138 | 39 | 30 | Phase A-N / Phase A-B Voltage 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0465H | 01126 | 138 | 40 | 30 | Phase A-N / Phase A-B Voltage 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0466H | 01127 | 138 | 41 | 30 | Phase A-N / Phase A-B Voltage 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0467H | 01128 | 138 | 42 | 30 | Phase A-N / Phase A-B Voltage 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0468H | 01129 | 138 | 43 | 30 | Phase A-N / Phase A-B Voltage 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0469H | 01130 | 138 | 44 | 30 | Phase A-N / Phase A-B Voltage 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046AH | 01131 | 138 | 45 | 30 | Phase A-N / Phase A-B Voltage 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046BH | 01132 | 138 | 46 | 30 | Phase A-N / Phase A-B Voltage 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046CH | 01133 | 138 | 47 | 30 | Phase A-N / Phase A-B Voltage 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046DH | 01134 | 138 | 48 | 30 | Phase A-N / Phase A-B Voltage 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046EH | 01135 | 138 | 49 | 30 | Phase A-N / Phase A-B Voltage 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 046FH | 01136 | 138 | 50 | 30 | Phase A-N / Phase A-B Voltage 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0470H | 01137 | 138 | 51 | 30 | Phase A-N / Phase A-B Voltage 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0471H | 01138 | 138 | 52 | 30 | Phase A-N / Phase A-B Voltage 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0472H | 01139 | 138 | 53 | 30 | Phase A-N / Phase A-B Voltage 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0473H | 01140 | 138 | 54 | 30 | Phase A-N / Phase A-B Voltage 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0474H | 01141 | 138 | 55 | 30 | Phase A-N / Phase A-B Voltage 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0475H | 01142 | 138 | 56 | 30 | Phase A-N / Phase A-B Voltage 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0476H | 01143 | 138 | 57 | 30 | Phase A-N / Phase A-B Voltage 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0477H | 01144 | 138 | 58 | 30 | Phase A-N / Phase A-B Voltage 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0478H | 01145 | 138 | 59 | 30 | Phase A-N / Phase A-B Voltage 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0479H | 01146 | 138 | 60 | 30 | Phase A-N / Phase A-B Voltage 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 047AH | 01147 | 138 | 61 | 30 | Phase A-N / Phase A-B Voltage 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 047BH | 01148 | 138 | 62 | 30 | Phase A-N / Phase A-B Voltage 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 047CH | 01149 | 138 | 63 | 30 | Phase A-N / Phase A-B Voltage 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 047DH | 01150 | 139 | 0 | 30 | Phase B-N / Phase B-C Voltage 0th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 047EH | 01151 | 139 | 1 | 30 | Phase B-N / Phase B-C Voltage 1st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 047FH | 01152 | 139 | 2 | 30 | Phase B-N / Phase B-C Voltage 2nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0480H | 01153 | 139 | 3 | 30 | Phase B-N / Phase B-C Voltage 3rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0481H | 01154 | 139 | 4 | 30 | Phase B-N / Phase B-C Voltage 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0482H | 01155 | 139 | 5 | 30 | Phase B-N / Phase B-C Voltage 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0483H | 01156 | 139 | 6 | 30 | Phase B-N / Phase B-C Voltage 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0484H | 01157 | 139 | 7 | 30 | Phase B-N / Phase B-C Voltage 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0485H | 01158 | 140 | 0 | 30 | Phase B-N / Phase B-C Voltage 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0486H | 01159 | 140 | 1 | 30 | Phase B-N / Phase B-C Voltage 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0487H | 01160 | 140 | 2 | 30 | Phase B-N / Phase B-C Voltage 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0488H | 01161 | 140 | 3 | 30 | Phase B-N / Phase B-C Voltage 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0489H | 01162 | 140 | 4 | 30 | Phase B-N / Phase B-C Voltage 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048AH | 01163 | 140 | 5 | 30 | Phase B-N / Phase B-C Voltage 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048BH | 01164 | 140 | 6 | 30 | Phase B-N / Phase B-C Voltage 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048CH | 01165 | 140 | 7 | 30 | Phase B-N / Phase B-C Voltage 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048DH | 01166 | 141 | 0 | 30 | Phase B-N / Phase B-C Voltage 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048EH | 01167 | 141 | 1 | 30 | Phase B-N / Phase B-C Voltage 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 048FH | 01168 | 141 | 2 | 30 | Phase B-N / Phase B-C Voltage 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0490H | 01169 | 141 | 3 | 30 | Phase B-N / Phase B-C Voltage 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0491H | 01170 | 141 | 4 | 30 | Phase B-N / Phase B-C Voltage 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0492H | 01171 | 141 | 5 | 30 | Phase B-N / Phase B-C Voltage 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0493H | 01172 | 141 | 6 | 30 | Phase B-N / Phase B-C Voltage 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0494H | 01173 | 141 | 7 | 30 | Phase B-N / Phase B-C Voltage 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0495H | 01174 | 141 | 8 | 30 | Phase B-N / Phase B-C Voltage 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0496H | 01175 | 141 | 9 | 30 | Phase B-N / Phase B-C Voltage 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0497H | 01176 | 141 | 10 | 30 | Phase B-N / Phase B-C Voltage 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0498H | 01177 | 141 | 11 | 30 | Phase B-N / Phase B-C Voltage 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0499H | 01178 | 141 | 12 | 30 | Phase B-N / Phase B-C Voltage 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049AH | 01179 | 141 | 13 | 30 | Phase B-N / Phase B-C Voltage 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049BH | 01180 | 141 | 14 | 30 | Phase B-N / Phase B-C Voltage 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049CH | 01181 | 141 | 15 | 30 | Phase B-N / Phase B-C Voltage 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049DH | 01182 | 142 | 0 | 30 | Phase B-N / Phase B-C Voltage 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049EH | 01183 | 142 | 1 | 30 | Phase B-N / Phase B-C Voltage 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 049FH | 01184 | 142 | 2 | 30 | Phase B-N / Phase B-C Voltage 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A0H | 01185 | 142 | 3 | 30 | Phase B-N / Phase B-C Voltage 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A1H | 01186 | 142 | 4 | 30 | Phase B-N / Phase B-C Voltage 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A2H | 01187 | 142 | 5 | 30 | Phase B-N / Phase B-C Voltage 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A3H | 01188 | 142 | 6 | 30 | Phase B-N / Phase B-C Voltage 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A4H | 01189 | 142 | 7 | 30 | Phase B-N / Phase B-C Voltage 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A5H | 01190 | 142 | 8 | 30 | Phase B-N / Phase B-C Voltage 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A6H | 01191 | 142 | 9 | 30 | Phase B-N / Phase B-C Voltage 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A7H | 01192 | 142 | 10 | 30 | Phase B-N / Phase B-C Voltage 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A8H | 01193 | 142 | 11 | 30 | Phase B-N / Phase B-C Voltage 43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04A9H | 01194 | 142 | 12 | 30 | Phase B-N / Phase B-C Voltage 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 04AAH | 01195 | 142 | 13 | 30 | Phase B-N / Phase B-C Voltage 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04ABH | 01196 | 142 | 14 | 30 | Phase B-N / Phase B-C Voltage 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04ACH | 01197 | 142 | 15 | 30 | Phase B-N / Phase B-C Voltage 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04ADH | 01198 | 142 | 16 | 30 | Phase B-N / Phase B-C Voltage 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04AEH | 01199 | 142 | 17 | 30 | Phase B-N / Phase B-C Voltage 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04AFH | 01200 | 142 | 18 | 30 | Phase B-N / Phase B-C Voltage 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B0H | 01201 | 142 | 19 | 30 | Phase B-N / Phase B-C Voltage 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B1H | 01202 | 142 | 20 | 30 | Phase B-N / Phase B-C Voltage 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B2H | 01203 | 142 | 21 | 30 | Phase B-N / Phase B-C Voltage 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B3H | 01204 | 142 | 22 | 30 | Phase B-N / Phase B-C Voltage 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B4H | 01205 | 142 | 23 | 30 | Phase B-N / Phase B-C Voltage 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B5H | 01206 | 142 | 24 | 30 | Phase B-N / Phase B-C Voltage 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B6H | 01207 | 142 | 25 | 30 | Phase B-N / Phase B-C Voltage 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B7H | 01208 | 142 | 26 | 30 | Phase B-N / Phase B-C Voltage 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B8H | 01209 | 142 | 27 | 30 | Phase B-N / Phase B-C Voltage 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04B9H | 01210 | 142 | 28 | 30 | Phase B-N / Phase B-C Voltage 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BAH | 01211 | 142 | 29 | 30 | Phase B-N / Phase B-C Voltage 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BBH | 01212 | 142 | 30 | 30 | Phase B-N / Phase B-C Voltage 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BCH | 01213 | 142 | 31 | 30 | Phase B-N / Phase B-C Voltage 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BDH | 01214 | 143 | 0 | 30 | Phase B-N / Phase B-C Voltage 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BEH | 01215 | 143 | 1 | 30 | Phase B-N / Phase B-C Voltage 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04BFH | 01216 | 143 | 2 | 30 | Phase B-N / Phase B-C Voltage 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 04C0H | 01217 | 143 | 3 | 30 | Phase B-N / Phase B-C Voltage 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C1H | 01218 | 143 | 4 | 30 | Phase B-N / Phase B-C Voltage 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C2H | 01219 | 143 | 5 | 30 | Phase B-N / Phase B-C Voltage 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C3H | 01220 | 143 | 6 | 30 | Phase B-N / Phase B-C Voltage 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C4H | 01221 | 143 | 7 | 30 | Phase B-N / Phase B-C Voltage 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C5H | 01222 | 143 | 8 | 30 | Phase B-N / Phase B-C Voltage 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C6H | 01223 | 143 | 9 | 30 | Phase B-N / Phase B-C Voltage 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C7H | 01224 | 143 | 10 | 30 | Phase B-N / Phase B-C Voltage 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C8H | 01225 | 143 | 11 | 30 | Phase B-N / Phase B-C Voltage 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04C9H | 01226 | 143 | 12 | 30 | Phase B-N / Phase B-C Voltage 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CAH | 01227 | 143 | 13 | 30 | Phase B-N / Phase B-C Voltage 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CBH | 01228 | 143 | 14 | 30 | Phase B-N / Phase B-C Voltage 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CCH | 01229 | 143 | 15 | 30 | Phase B-N / Phase B-C Voltage 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CDH | 01230 | 143 | 16 | 30 | Phase B-N / Phase B-C Voltage 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CEH | 01231 | 143 | 17 | 30 | Phase B-N / Phase B-C Voltage 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04CFH | 01232 | 143 | 18 | 30 | Phase B-N / Phase B-C Voltage 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D0H | 01233 | 143 | 19 | 30 | Phase B-N / Phase B-C Voltage 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D1H | 01234 | 143 | 20 | 30 | Phase B-N / Phase B-C Voltage 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D2H | 01235 | 143 | 21 | 30 | Phase B-N / Phase B-C Voltage 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D3H | 01236 | 143 | 22 | 30 | Phase B-N / Phase B-C Voltage 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D4H | 01237 | 143 | 23 | 30 | Phase B-N / Phase B-C Voltage 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D5H | 01238 | 143 | 24 | 30 | Phase B-N / Phase B-C Voltage 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D6H | 01239 | 143 | 25 | 30 | Phase B-N / Phase B-C Voltage 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D7H | 01240 | 143 | 26 | 30 | Phase B-N / Phase B-C Voltage 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D8H | 01241 | 143 | 27 | 30 | Phase B-N / Phase B-C Voltage 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04D9H | 01242 | 143 | 28 | 30 | Phase B-N / Phase B-C Voltage 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DAH | 01243 | 143 | 29 | 30 | Phase B-N / Phase B-C Voltage 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DBH | 01244 | 143 | 30 | 30 | Phase B-N / Phase B-C Voltage 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DCH | 01245 | 143 | 31 | 30 | Phase B-N / Phase B-C Voltage 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DDH | 01246 | 143 | 32 | 30 | Phase B-N / Phase B-C Voltage 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DEH | 01247 | 143 | 33 | 30 | Phase B-N / Phase B-C Voltage 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04DFH | 01248 | 143 | 34 | 30 | Phase B-N / Phase B-C Voltage 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E0H | 01249 | 143 | 35 | 30 | Phase B-N / Phase B-C Voltage 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 04E1H | 01250 | 143 | 36 | 30 | Phase B-N / Phase B-C Voltage 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E2H | 01251 | 143 | 37 | 30 | Phase B-N / Phase B-C Voltage 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E3H | 01252 | 143 | 38 | 30 | Phase B-N / Phase B-C Voltage 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E4H | 01253 | 143 | 39 | 30 | Phase B-N / Phase B-C Voltage 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E5H | 01254 | 143 | 40 | 30 | Phase B-N / Phase B-C Voltage 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E6H | 01255 | 143 | 41 | 30 | Phase B-N / Phase B-C Voltage 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E7H | 01256 | 143 | 42 | 30 | Phase B-N / Phase B-C Voltage 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E8H | 01257 | 143 | 43 | 30 | Phase B-N / Phase B-C Voltage 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04E9H | 01258 | 143 | 44 | 30 | Phase B-N / Phase B-C Voltage 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04EAH | 01259 | 143 | 45 | 30 | Phase B-N / Phase B-C Voltage 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04EBH | 01260 | 143 | 46 | 30 | Phase B-N / Phase B-C Voltage 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04ECH | 01261 | 143 | 47 | 30 | Phase B-N / Phase B-C Voltage 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04EDH | 01262 | 143 | 48 | 30 | Phase B-N / Phase B-C Voltage 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04EEH | 01263 | 143 | 49 | 30 | Phase B-N / Phase B-C Voltage 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04EFH | 01264 | 143 | 50 | 30 | Phase B-N / Phase B-C Voltage 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F0H | 01265 | 143 | 51 | 30 | Phase B-N / Phase B-C Voltage 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F1H | 01266 | 143 | 52 | 30 | Phase B-N / Phase B-C Voltage 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F2H | 01267 | 143 | 53 | 30 | Phase B-N / Phase B-C Voltage 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F3H | 01268 | 143 | 54 | 30 | Phase B-N / Phase B-C Voltage 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 04F4H | 01269 | 143 | 55 | 30 | Phase B-N / Phase B-C Voltage 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F5H | 01270 | 143 | 56 | 30 | Phase B-N / Phase B-C Voltage 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F6H | 01271 | 143 | 57 | 30 | Phase B-N / Phase B-C Voltage 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F7H | 01272 | 143 | 58 | 30 | Phase B-N / Phase B-C Voltage 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F8H | 01273 | 143 | 59 | 30 | Phase B-N / Phase B-C Voltage 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04F9H | 01274 | 143 | 60 | 30 | Phase B-N / Phase B-C Voltage 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FAH | 01275 | 143 | 61 | 30 | Phase B-N / Phase B-C Voltage 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FBH | 01276 | 143 | 62 | 30 | Phase B-N / Phase B-C Voltage 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FCH | 01277 | 143 | 63 | 30 | Phase B-N / Phase B-C Voltage 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FDH | 01278 | 144 | 0 | 30 | Phase C-N / Phase C-A Voltage 0th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FEH | 01279 | 144 | 1 | 30 | Phase C-N / Phase C-A Voltage 1st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 04FFH | 01280 | 144 | 2 | 30 | Phase C-N / Phase C-A Voltage 2nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0500H | 01281 | 144 | 3 | 30 | Phase C-N / Phase C-A Voltage 3rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0501H | 01282 | 144 | 4 | 30 | Phase C-N / Phase C-A Voltage 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0502H | 01283 | 144 | 5 | 30 | Phase C-N / Phase C-A Voltage 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0503H | 01284 | 144 | 6 | 30 | Phase C-N / Phase C-A Voltage 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0504H | 01285 | 144 | 7 | 30 | Phase C-N / Phase C-A Voltage 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0505H | 01286 | 145 | 0 | 30 | Phase C-N / Phase C-A Voltage 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0506H | 01287 | 145 | 1 | 30 | Phase C-N / Phase C-A Voltage 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0507H | 01288 | 145 | 2 | 30 | Phase C-N / Phase C-A Voltage 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0508H | 01289 | 145 | 3 | 30 | Phase C-N / Phase C-A Voltage 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0509H | 01290 | 145 | 4 | 30 | Phase C-N / Phase C-A Voltage 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050AH | 01291 | 145 | 5 | 30 | Phase C-N / Phase C-A Voltage 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050BH | 01292 | 145 | 6 | 30 | Phase C-N / Phase C-A Voltage 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050CH | 01293 | 145 | 7 | 30 | Phase C-N / Phase C-A Voltage 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050DH | 01294 | 146 | 0 | 30 | Phase C-N / Phase C-A Voltage 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050EH | 01295 | 146 | 1 | 30 | Phase C-N / Phase C-A Voltage 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 050FH | 01296 | 146 | 2 | 30 | Phase C-N / Phase C-A Voltage 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0510H | 01297 | 146 | 3 | 30 | Phase C-N / Phase C-A Voltage 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0511H | 01298 | 146 | 4 | 30 | Phase C-N / Phase C-A Voltage 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0512H | 01299 | 146 | 5 | 30 | Phase C-N / Phase C-A Voltage 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0513H | 01300 | 146 | 6 | 30 | Phase C-N / Phase C-A Voltage 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0514H | 01301 | 146 | 7 | 30 | Phase C-N / Phase C-A Voltage 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0515H | 01302 | 146 | 8 | 30 | Phase C-N / Phase C-A Voltage 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0516H | 01303 | 146 | 9 | 30 | Phase C-N / Phase C-A Voltage 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0517H | 01304 | 146 | 10 | 30 | Phase C-N / Phase C-A Voltage 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0518H | 01305 | 146 | 11 | 30 | Phase C-N / Phase C-A Voltage 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0519H | 01306 | 146 | 12 | 30 | Phase C-N / Phase C-A Voltage 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051AH | 01307 | 146 | 13 | 30 | Phase C-N / Phase C-A Voltage 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051BH | 01308 | 146 | 14 | 30 | Phase C-N / Phase C-A Voltage 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051CH | 01309 | 146 | 15 | 30 | Phase C-N / Phase C-A Voltage 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051DH | 01310 | 147 | 0 | 30 | Phase C-N / Phase C-A Voltage 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051EH | 01311 | 147 | 1 | 30 | Phase C-N / Phase C-A Voltage 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 051FH | 01312 | 147 | 2 | 30 | Phase C-N / Phase C-A Voltage 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0520H | 01313 | 147 | 3 | 30 | Phase C-N / Phase C-A Voltage 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0521H | 01314 | 147 | 4 | 30 | Phase C-N / Phase C-A Voltage 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0522H | 01315 | 147 | 5 | 30 | Phase C-N / Phase C-A Voltage 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0523H | 01316 | 147 | 6 | 30 | Phase C-N / Phase C-A Voltage 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0524H | 01317 | 147 | 7 | 30 | Phase C-N / Phase C-A Voltage 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0525H | 01318 | 147 | 8 | 30 | Phase C-N / Phase C-A Voltage 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0526H | 01319 | 147 | 9 | 30 | Phase C-N / Phase C-A Voltage 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0527H | 01320 | 147 | 10 | 30 | Phase C-N / Phase C-A Voltage 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0528H | 01321 | 147 | 11 | 30 | Phase C-N / Phase C-A Voltage 43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0529H | 01322 | 147 | 12 | 30 | Phase C-N / Phase C-A Voltage 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052AH | 01323 | 147 | 13 | 30 | Phase C-N / Phase C-A Voltage 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052BH | 01324 | 147 | 14 | 30 | Phase C-N / Phase C-A Voltage 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052CH | 01325 | 147 | 15 | 30 | Phase C-N / Phase C-A Voltage 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052DH | 01326 | 147 | 16 | 30 | Phase C-N / Phase C-A Voltage 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052EH | 01327 | 147 | 17 | 30 | Phase C-N / Phase C-A Voltage 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 052FH | 01328 | 147 | 18 | 30 | Phase C-N / Phase C-A Voltage 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0530H | 01329 | 147 | 19 | 30 | Phase C-N / Phase C-A Voltage 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0531H | 01330 | 147 | 20 | 30 | Phase C-N / Phase C-A Voltage 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0532H | 01331 | 147 | 21 | 30 | Phase C-N / Phase C-A Voltage 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0533H | 01332 | 147 | 22 | 30 | Phase C-N / Phase C-A Voltage 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0534H | 01333 | 147 | 23 | 30 | Phase C-N / Phase C-A Voltage 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0535H | 01334 | 147 | 24 | 30 | Phase C-N / Phase C-A Voltage 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0536H | 01335 | 147 | 25 | 30 | Phase C-N / Phase C-A Voltage 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0537H | 01336 | 147 | 26 | 30 | Phase C-N / Phase C-A Voltage 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0538H | 01337 | 147 | 27 | 30 | Phase C-N / Phase C-A Voltage 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0539H | 01338 | 147 | 28 | 30 | Phase C-N / Phase C-A Voltage 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053AH | 01339 | 147 | 29 | 30 | Phase C-N / Phase C-A Voltage 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053BH | 01340 | 147 | 30 | 30 | Phase C-N / Phase C-A Voltage 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053CH | 01341 | 147 | 31 | 30 | Phase C-N / Phase C-A Voltage 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053DH | 01342 | 148 | 0 | 30 | Phase C-N / Phase C-A Voltage 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053EH | 01343 | 148 | 1 | 30 | Phase C-N / Phase C-A Voltage 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 053FH | 01344 | 148 | 2 | 30 | Phase C-N / Phase C-A Voltage 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0540H | 01345 | 148 | 3 | 30 | Phase C-N / Phase C-A Voltage 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0541H | 01346 | 148 | 4 | 30 | Phase C-N / Phase C-A Voltage 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0542H | 01347 | 148 | 5 | 30 | Phase C-N / Phase C-A Voltage 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0543H | 01348 | 148 | 6 | 30 | Phase C-N / Phase C-A Voltage 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0544H | 01349 | 148 | 7 | 30 | Phase C-N / Phase C-A Voltage 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0545H | 01350 | 148 | 8 | 30 | Phase C-N / Phase C-A Voltage 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0546H | 01351 | 148 | 9 | 30 | Phase C-N / Phase C-A Voltage 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0547H | 01352 | 148 | 10 | 30 | Phase C-N / Phase C-A Voltage 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0548H | 01353 | 148 | 11 | 30 | Phase C-N / Phase C-A Voltage 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0549H | 01354 | 148 | 12 | 30 | Phase C-N / Phase C-A Voltage 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054AH | 01355 | 148 | 13 | 30 | Phase C-N / Phase C-A Voltage 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054BH | 01356 | 148 | 14 | 30 | Phase C-N / Phase C-A Voltage 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054CH | 01357 | 148 | 15 | 30 | Phase C-N / Phase C-A Voltage 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054DH | 01358 | 148 | 16 | 30 | Phase C-N / Phase C-A Voltage 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054EH | 01359 | 148 | 17 | 30 | Phase C-N / Phase C-A Voltage 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 054FH | 01360 | 148 | 18 | 30 | Phase C-N / Phase C-A Voltage 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0550H | 01361 | 148 | 19 | 30 | Phase C-N / Phase C-A Voltage 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0551H | 01362 | 148 | 20 | 30 | Phase C-N / Phase C-A Voltage 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0552H | 01363 | 148 | 21 | 30 | Phase C-N / Phase C-A Voltage 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0553H | 01364 | 148 | 22 | 30 | Phase C-N / Phase C-A Voltage 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0554H | 01365 | 148 | 23 | 30 | Phase C-N / Phase C-A Voltage 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0555H | 01366 | 148 | 24 | 30 | Phase C-N / Phase C-A Voltage 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0556H | 01367 | 148 | 25 | 30 | Phase C-N / Phase C-A Voltage 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0557H | 01368 | 148 | 26 | 30 | Phase C-N / Phase C-A Voltage 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0558H | 01369 | 148 | 27 | 30 | Phase C-N / Phase C-A Voltage 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0559H | 01370 | 148 | 28 | 30 | Phase C-N / Phase C-A Voltage 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055AH | 01371 | 148 | 29 | 30 | Phase C-N / Phase C-A Voltage 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055BH | 01372 | 148 | 30 | 30 | Phase C-N / Phase C-A Voltage 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055CH | 01373 | 148 | 31 | 30 | Phase C-N / Phase C-A Voltage 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055DH | 01374 | 148 | 32 | 30 | Phase C-N / Phase C-A Voltage 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055EH | 01375 | 148 | 33 | 30 | Phase C-N / Phase C-A Voltage 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 055FH | 01376 | 148 | 34 | 30 | Phase C-N / Phase C-A Voltage 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0560H | 01377 | 148 | 35 | 30 | Phase C-N / Phase C-A Voltage 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0561H | 01378 | 148 | 36 | 30 | Phase C-N / Phase C-A Voltage 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0562H | 01379 | 148 | 37 | 30 | Phase C-N / Phase C-A Voltage 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0563H | 01380 | 148 | 38 | 30 | Phase C-N / Phase C-A Voltage 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0564H | 01381 | 148 | 39 | 30 | Phase C-N / Phase C-A Voltage 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0565H | 01382 | 148 | 40 | 30 | Phase C-N / Phase C-A Voltage 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0566H | 01383 | 148 | 41 | 30 | Phase C-N / Phase C-A Voltage 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0567H | 01384 | 148 | 42 | 30 | Phase C-N / Phase C-A Voltage 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0568H | 01385 | 148 | 43 | 30 | Phase C-N / Phase C-A Voltage 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0569H | 01386 | 148 | 44 | 30 | Phase C-N / Phase C-A Voltage 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056AH | 01387 | 148 | 45 | 30 | Phase C-N / Phase C-A Voltage 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056BH | 01388 | 148 | 46 | 30 | Phase C-N / Phase C-A Voltage 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056CH | 01389 | 148 | 47 | 30 | Phase C-N / Phase C-A Voltage 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056DH | 01390 | 148 | 48 | 30 | Phase C-N / Phase C-A Voltage 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056EH | 01391 | 148 | 49 | 30 | Phase C-N / Phase C-A Voltage 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 056FH | 01392 | 148 | 50 | 30 | Phase C-N / Phase C-A Voltage 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0570H | 01393 | 148 | 51 | 30 | Phase C-N / Phase C-A Voltage 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0571H | 01394 | 148 | 52 | 30 | Phase C-N / Phase C-A Voltage 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0572H | 01395 | 148 | 53 | 30 | Phase C-N / Phase C-A Voltage 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0573H | 01396 | 148 | 54 | 30 | Phase C-N / Phase C-A Voltage 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0574H | 01397 | 148 | 55 | 30 | Phase C-N / Phase C-A Voltage 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0575H | 01398 | 148 | 56 | 30 | Phase C-N / Phase C-A Voltage 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0576H | 01399 | 148 | 57 | 30 | Phase C-N / Phase C-A Voltage 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0577H | 01400 | 148 | 58 | 30 | Phase C-N / Phase C-A Voltage 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0578H | 01401 | 148 | 59 | 30 | Phase C-N / Phase C-A Voltage 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0579H | 01402 | 148 | 60 | 30 | Phase C-N / Phase C-A Voltage 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057AH | 01403 | 148 | 61 | 30 | Phase C-N / Phase C-A Voltage 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057BH | 01404 | 148 | 62 | 30 | Phase C-N / Phase C-A Voltage 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057CH | 01405 | 148 | 63 | 30 | Phase C-N / Phase C-A Voltage 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057DH | 01406 | 149 | 0 | 30 | Phase A Current 0th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057EH | 01407 | 149 | 1 | 30 | Phase A Current 1st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 057FH | 01408 | 149 | 2 | 30 | Phase A Current 2nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0580H | 01409 | 149 | 3 | 30 | Phase A Current 3rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0581H | 01410 | 149 | 4 | 30 | Phase A Current 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0582H | 01411 | 149 | 5 | 30 | Phase A Current 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0583H | 01412 | 149 | 6 | 30 | Phase A Current 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0584H | 01413 | 149 | 7 | 30 | Phase A Current 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0585H | 01414 | 150 | 0 | 30 | Phase A Current 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0586H | 01415 | 150 | 1 | 30 | Phase A Current 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0587H | 01416 | 150 | 2 | 30 | Phase A Current 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0588H | 01417 | 150 | 3 | 30 | Phase A Current 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0589H | 01418 | 150 | 4 | 30 | Phase A Current 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058AH | 01419 | 150 | 5 | 30 | Phase A Current 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058BH | 01420 | 150 | 6 | 30 | Phase A Current 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058CH | 01421 | 150 | 7 | 30 | Phase A Current 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058DH | 01422 | 151 | 0 | 30 | Phase A Current 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058EH | 01423 | 151 | 1 | 30 | Phase A Current 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 058FH | 01424 | 151 | 2 | 30 | Phase A Current 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0590H | 01425 | 151 | 3 | 30 | Phase A Current 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0591H | 01426 | 151 | 4 | 30 | Phase A Current 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0592H | 01427 | 151 | 5 | 30 | Phase A Current 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0593H | 01428 | 151 | 6 | 30 | Phase A Current 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0594H | 01429 | 151 | 7 | 30 | Phase A Current 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0595H | 01430 | 151 | 8 | 30 | Phase A Current 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0596H | 01431 | 151 | 9 | 30 | Phase A Current 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0597H | 01432 | 151 | 10 | 30 | Phase A Current 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0598H | 01433 | 151 | 11 | 30 | Phase A Current 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0599H | 01434 | 151 | 12 | 30 | Phase A Current 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059AH | 01435 | 151 | 13 | 30 | Phase A Current 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059BH | 01436 | 151 | 14 | 30 | Phase A Current 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059CH | 01437 | 151 | 15 | 30 | Phase A Current 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059DH | 01438 | 152 | 0 | 30 | Phase A Current 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059EH | 01439 | 152 | 1 | 30 | Phase A Current 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 059FH | 01440 | 152 | 2 | 30 | Phase A Current 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A0H | 01441 | 152 | 3 | 30 | Phase A Current 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A1H | 01442 | 152 | 4 | 30 | Phase A Current 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A2H | 01443 | 152 | 5 | 30 | Phase A Current 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A3H | 01444 | 152 | 6 | 30 | Phase A Current 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A4H | 01445 | 152 | 7 | 30 | Phase A Current 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A5H | 01446 | 152 | 8 | 30 | Phase A Current 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A6H | 01447 | 152 | 9 | 30 | Phase A Current 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A7H | 01448 | 152 | 10 | 30 | Phase A Current 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A8H | 01449 | 152 | 11 | 30 | Phase A Current43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05A9H | 01450 | 152 | 12 | 30 | Phase A Current 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05AAH | 01451 | 152 | 13 | 30 | Phase A Current 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05ABH | 01452 | 152 | 14 | 30 | Phase A Current 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05ACH | 01453 | 152 | 15 | 30 | Phase A Current 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05ADH | 01454 | 152 | 16 | 30 | Phase A Current 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05AEH | 01455 | 152 | 17 | 30 | Phase A Current 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05AFH | 01456 | 152 | 18 | 30 | Phase A Current 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B0H | 01457 | 152 | 19 | 30 | Phase A Current 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B1H | 01458 | 152 | 20 | 30 | Phase A Current 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B2H | 01459 | 152 | 21 | 30 | Phase A Current 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B3H | 01460 | 152 | 22 | 30 | Phase A Current 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B4H | 01461 | 152 | 23 | 30 | Phase A Current 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B5H | 01462 | 152 | 24 | 30 | Phase A Current 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B6H | 01463 | 152 | 25 | 30 | Phase A Current 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B7H | 01464 | 152 | 26 | 30 | Phase A Current 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B8H | 01465 | 152 | 27 | 30 | Phase A Current 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05B9H | 01466 | 152 | 28 | 30 | Phase A Current 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05BAH | 01467 | 152 | 29 | 30 | Phase A Current 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05BBH | 01468 | 152 | 30 | 30 | Phase A Current 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 05BCH | 01469 | 152 | 31 | 30 | Phase A Current 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05BDH | 01470 | 153 | 0 | 30 | Phase A Current 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05BEH | 01471 | 153 | 1 | 30 | Phase A Current 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05BFH | 01472 | 153 | 2 | 30 | Phase A Current 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C0H | 01473 | 153 | 3 | 30 | Phase A Current 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C1H | 01474 | 153 | 4 | 30 | Phase A Current 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C2H | 01475 | 153 | 5 | 30 | Phase A Current 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C3H | 01476 | 153 | 6 | 30 | Phase A Current 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C4H | 01477 | 153 | 7 | 30 | Phase A Current 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C5H | 01478 | 153 | 8 | 30 | Phase A Current 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C6H | 01479 | 153 | 9 | 30 | Phase A Current 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C7H | 01480 | 153 | 10 | 30 | Phase A Current 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C8H | 01481 | 153 | 11 | 30 | Phase A Current 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05C9H | 01482 | 153 | 12 | 30 | Phase A Current 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CAH | 01483 | 153 | 13 | 30 | Phase A Current 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CBH | 01484 | 153 | 14 | 30 | Phase A Current 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CCH | 01485 | 153 | 15 | 30 | Phase A Current 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CDH | 01486 | 153 | 16 | 30 | Phase A Current 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CEH | 01487 | 153 | 17 | 30 | Phase A Current 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05CFH | 01488 | 153 | 18 | 30 | Phase A Current 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D0H | 01489 | 153 | 19 | 30 | Phase A Current 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D1H | 01490 | 153 | 20 | 30 | Phase A Current 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D2H | 01491 | 153 | 21 | 30 | Phase A Current 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D3H | 01492 | 153 | 22 | 30 | Phase A Current 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D4H | 01493 | 153 | 23 | 30 | Phase A Current 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D5H | 01494 | 153 | 24 | 30 | Phase A Current 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D6H | 01495 | 153 | 25 | 30 | Phase A Current 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D7H | 01496 | 153 | 26 | 30 | Phase A Current 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D8H | 01497 | 153 | 27 | 30 | Phase A Current 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05D9H | 01498 | 153 | 28 | 30 | Phase A Current 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DAH | 01499 | 153 | 29 | 30 | Phase A Current 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DBH | 01500 | 153 | 30 | 30 | Phase A Current 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DCH | 01501 | 153 | 31 | 30 | Phase A Current 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DDH | 01502 | 153 | 32 | 30 | Phase A Current 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DEH | 01503 | 153 | 33 | 30 | Phase A Current 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05DFH | 01504 | 153 | 34 | 30 | Phase A Current 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E0H | 01505 | 153 | 35 | 30 | Phase A Current 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E1H | 01506 | 153 | 36 | 30 | Phase A Current 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E2H | 01507 | 153 | 37 | 30 | Phase A Current 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E3H | 01508 | 153 | 38 | 30 | Phase A Current 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E4H | 01509 | 153 | 39 | 30 | Phase A Current 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E5H | 01510 | 153 | 40 | 30 | Phase A Current 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E6H | 01511 | 153 | 41 | 30 | Phase A Current 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E7H | 01512 | 153 | 42 | 30 | Phase A Current 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E8H | 01513 | 153 | 43 | 30 | Phase A Current 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05E9H | 01514 | 153 | 44 | 30 | Phase A Current 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05EAH | 01515 | 153 | 45 | 30 | Phase A Current 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05EBH | 01516 | 153 | 46 | 30 | Phase A Current 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05ECH | 01517 | 153 | 47 | 30 | Phase A Current 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05EDH | 01518 | 153 | 48 | 30 | Phase A Current 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05EEH | 01519 | 153 | 49 | 30 | Phase A Current 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05EFH | 01520 | 153 | 50 | 30 | Phase A Current 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 05F0H | 01521 | 153 | 51 | 30 | Phase A Current 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F1H | 01522 | 153 | 52 | 30 | Phase A Current 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F2H | 01523 | 153 | 53 | 30 | Phase A Current 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F3H | 01524 | 153 | 54 | 30 | Phase A Current 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F4H | 01525 | 153 | 55 | 30 | Phase A Current 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F5H | 01526 | 153 | 56 | 30 | Phase A Current 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F6H | 01527 | 153 | 57 | 30 | Phase A Current 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F7H | 01528 | 153 | 58 | 30 | Phase A Current 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F8H | 01529 | 153 | 59 | 30 | Phase A Current 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05F9H | 01530 | 153 | 60 | 30 | Phase A Current 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FAH | 01531 | 153 | 61 | 30 | Phase A Current 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FBH | 01532 | 153 | 62 | 30 | Phase A Current 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FCH | 01533 | 153 | 63 | 30 | Phase A Current 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FDH | 01534 | 154 | 0 | 30 | Phase B Current 0th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FEH | 01535 | 154 | 1 | 30 | Phase B Current 1st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 05FFH | 01536 | 154 | 2 | 30 | Phase B Current 2nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0600H | 01537 | 154 | 3 | 30 | Phase B Current 3rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0601H | 01538 | 154 | 4 | 30 | Phase B Current 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0602H | 01539 | 154 | 5 | 30 | Phase B Current 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0603H | 01540 | 154 | 6 | 30 | Phase B Current 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0604H | 01541 | 154 | 7 | 30 | Phase B Current 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0605H | 01542 | 155 | 0 | 30 | Phase B Current 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0606H | 01543 | 155 | 1 | 30 | Phase B Current 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0607H | 01544 | 155 | 2 | 30 | Phase B Current 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0608H | 01545 | 155 | 3 | 30 | Phase B Current 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0609H | 01546 | 155 | 4 | 30 | Phase B Current 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060AH | 01547 | 155 | 5 | 30 | Phase B Current 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060BH | 01548 | 155 | 6 | 30 | Phase B Current 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060CH | 01549 | 155 | 7 | 30 | Phase B Current 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060DH | 01550 | 156 | 0 | 30 | Phase B Current 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060EH | 01551 | 156 | 1 | 30 | Phase B Current 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 060FH | 01552 | 156 | 2 | 30 | Phase B Current 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0610H | 01553 | 156 | 3 | 30 | Phase B Current 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0611H | 01554 | 156 | 4 | 30 | Phase B Current 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0612H | 01555 | 156 | 5 | 30 | Phase B Current 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0613H | 01556 | 156 | 6 | 30 | Phase B Current 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0614H | 01557 | 156 | 7 | 30 | Phase B Current 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0615H | 01558 | 156 | 8 | 30 | Phase B Current 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0616H | 01559 | 156 | 9 | 30 | Phase B Current 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0617H | 01560 | 156 | 10 | 30 | Phase B Current 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0618H | 01561 | 156 | 11 | 30 | Phase B Current 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0619H | 01562 | 156 | 12 | 30 | Phase B Current 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061AH | 01563 | 156 | 13 | 30 | Phase B Current 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061BH | 01564 | 156 | 14 | 30 | Phase B Current 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061CH | 01565 | 156 | 15 | 30 | Phase B Current 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061DH | 01566 | 157 | 0 | 30 | Phase B Current 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061EH | 01567 | 157 | 1 | 30 | Phase B Current 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 061FH | 01568 | 157 | 2 | 30 | Phase B Current 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0620H | 01569 | 157 | 3 | 30 | Phase B Current 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0621H | 01570 | 157 | 4 | 30 | Phase B Current 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0622H | 01571 | 157 | 5 | 30 | Phase B Current 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0623H | 01572 | 157 | 6 | 30 | Phase B Current 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0624H | 01573 | 157 | 7 | 30 | Phase B Current 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0625H | 01574 | 157 | 8 | 30 | Phase B Current 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0626H | 01575 | 157 | 9 | 30 | Phase B Current 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0627H | 01576 | 157 | 10 | 30 | Phase B Current 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0628H | 01577 | 157 | 11 | 30 | Phase B Current43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0629H | 01578 | 157 | 12 | 30 | Phase B Current 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062AH | 01579 | 157 | 13 | 30 | Phase B Current 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062BH | 01580 | 157 | 14 | 30 | Phase B Current 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062CH | 01581 | 157 | 15 | 30 | Phase B Current 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062DH | 01582 | 157 | 16 | 30 | Phase B Current 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062EH | 01583 | 157 | 17 | 30 | Phase B Current 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 062FH | 01584 | 157 | 18 | 30 | Phase B Current 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0630H | 01585 | 157 | 19 | 30 | Phase B Current 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0631H | 01586 | 157 | 20 | 30 | Phase B Current 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0632H | 01587 | 157 | 21 | 30 | Phase B Current 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0633H | 01588 | 157 | 22 | 30 | Phase B Current 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0634H | 01589 | 157 | 23 | 30 | Phase B Current 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0635H | 01590 | 157 | 24 | 30 | Phase B Current 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0636H | 01591 | 157 | 25 | 30 | Phase B Current 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0637H | 01592 | 157 | 26 | 30 | Phase B Current 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0638H | 01593 | 157 | 27 | 30 | Phase B Current 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0639H | 01594 | 157 | 28 | 30 | Phase B Current 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063AH | 01595 | 157 | 29 | 30 | Phase B Current 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063BH | 01596 | 157 | 30 | 30 | Phase B Current 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063CH | 01597 | 157 | 31 | 30 | Phase B Current 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063DH | 01598 | 158 | 0 | 30 | Phase B Current 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063EH | 01599 | 158 | 1 | 30 | Phase B Current 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 063FH | 01600 | 158 | 2 | 30 | Phase B Current 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0640H | 01601 | 158 | 3 | 30 | Phase B Current 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0641H | 01602 | 158 | 4 | 30 | Phase B Current 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0642H | 01603 | 158 | 5 | 30 | Phase B Current 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0643H | 01604 | 158 | 6 | 30 | Phase B Current 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0644H | 01605 | 158 | 7 | 30 | Phase B Current 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0645H | 01606 | 158 | 8 | 30 | Phase B Current 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0646H | 01607 | 158 | 9 | 30 | Phase B Current 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0647H | 01608 | 158 | 10 | 30 | Phase B Current 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0648H | 01609 | 158 | 11 | 30 | Phase B Current 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0649H | 01610 | 158 | 12 | 30 | Phase B Current 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064AH | 01611 | 158 | 13 | 30 | Phase B Current 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064BH | 01612 | 158 | 14 | 30 | Phase B Current 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064CH | 01613 | 158 | 15 | 30 | Phase B Current 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064DH | 01614 | 158 | 16 | 30 | Phase B Current 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064EH | 01615 | 158 | 17 | 30 | Phase B Current 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 064FH | 01616 | 158 | 18 | 30 | Phase B Current 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0650H | 01617 | 158 | 19 | 30 | Phase B Current 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0651H | 01618 | 158 | 20 | 30 | Phase B Current 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0652H | 01619 | 158 | 21 | 30 | Phase B Current 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0653H | 01620 | 158 | 22 | 30 | Phase B Current 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0654H | 01621 | 158 | 23 | 30 | Phase B Current 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0655H | 01622 | 158 | 24 | 30 | Phase B Current 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0656H | 01623 | 158 | 25 | 30 | Phase B Current 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0657H | 01624 | 158 | 26 | 30 | Phase B Current 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0658H | 01625 | 158 | 27 | 30 | Phase B Current 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0659H | 01626 | 158 | 28 | 30 | Phase B Current 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 065AH | 01627 | 158 | 29 | 30 | Phase B Current 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 065BH | 01628 | 158 | 30 | 30 | Phase B Current 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 065CH | 01629 | 158 | 31 | 30 | Phase B Current 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 065DH | 01630 | 158 | 32 | 30 | Phase B Current 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 065EH | 01631 | 158 | 33 | 30 | Phase B Current 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 065FH | 01632 | 158 | 34 | 30 | Phase B Current 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0660H | 01633 | 158 | 35 | 30 | Phase B Current 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0661H | 01634 | 158 | 36 | 30 | Phase B Current 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0662H | 01635 | 158 | 37 | 30 | Phase B Current 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0663H | 01636 | 158 | 38 | 30 | Phase B Current 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0664H | 01637 | 158 | 39 | 30 | Phase B Current 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0665H | 01638 | 158 | 40 | 30 | Phase B Current 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0666H | 01639 | 158 | 41 | 30 | Phase B Current 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0667H | 01640 | 158 | 42 | 30 | Phase B Current 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0668H | 01641 | 158 | 43 | 30 | Phase B Current 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0669H | 01642 | 158 | 44 | 30 | Phase B Current 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066AH | 01643 | 158 | 45 | 30 | Phase B Current 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066BH | 01644 | 158 | 46 | 30 | Phase B Current 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066CH | 01645 | 158 | 47 | 30 | Phase B Current 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066DH | 01646 | 158 | 48 | 30 | Phase B Current 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066EH | 01647 | 158 | 49 | 30 | Phase B Current 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 066FH | 01648 | 158 | 50 | 30 | Phase B Current 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0670H | 01649 | 158 | 51 | 30 | Phase B Current 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0671H | 01650 | 158 | 52 | 30 | Phase B Current 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0672H | 01651 | 158 | 53 | 30 | Phase B Current 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0673H | 01652 | 158 | 54 | 30 | Phase B Current 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0674H | 01653 | 158 | 55 | 30 | Phase B Current 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0675H | 01654 | 158 | 56 | 30 | Phase B Current 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0676H | 01655 | 158 | 57 | 30 | Phase B Current 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0677H | 01656 | 158 | 58 | 30 | Phase B Current 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0678H | 01657 | 158 | 59 | 30 | Phase B Current 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0679H | 01658 | 158 | 60 | 30 | Phase B Current 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067AH | 01659 | 158 | 61 | 30 | Phase B Current 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067BH | 01660 | 158 | 62 | 30 | Phase B Current 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067CH | 01661 | 158 | 63 | 30 | Phase B Current 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067DH | 01662 | 159 | 0 | 30 | Phase C Current 0th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067EH | 01663 | 159 | 1 | 30 | Phase C Current 1st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 067FH | 01664 | 159 | 2 | 30 | Phase C Current 2nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0680H | 01665 | 159 | 3 | 30 | Phase C Current 3rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0681H | 01666 | 159 | 4 | 30 | Phase C Current 4th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0682H | 01667 | 159 | 5 | 30 | Phase C Current 5th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0683H | 01668 | 159 | 6 | 30 | Phase C Current 6th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0684H | 01669 | 159 | 7 | 30 | Phase C Current 7th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0685H | 01670 | 160 | 0 | 30 | Phase C Current 8th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0686H | 01671 | 160 | 1 | 30 | Phase C Current 9th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0687H | 01672 | 160 | 2 | 30 | Phase C Current 10th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0688H | 01673 | 160 | 3 | 30 | Phase C Current 11th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0689H | 01674 | 160 | 4 | 30 | Phase C Current 12th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068AH | 01675 | 160 | 5 | 30 | Phase C Current 13th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068BH | 01676 | 160 | 6 | 30 | Phase C Current 14th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068CH | 01677 | 160 | 7 | 30 | Phase C Current 15th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068DH | 01678 | 161 | 0 | 30 | Phase C Current 16th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068EH | 01679 | 161 | 1 | 30 | Phase C Current 17th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 068FH | 01680 | 161 | 2 | 30 | Phase C Current 18th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0690H | 01681 | 161 | 3 | 30 | Phase C Current 19th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0691H | 01682 | 161 | 4 | 30 | Phase C Current 20th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0692H | 01683 | 161 | 5 | 30 | Phase C Current 21st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0693H | 01684 | 161 | 6 | 30 | Phase C Current 22nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0694H | 01685 | 161 | 7 | 30 | Phase C Current 23rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0695H | 01686 | 161 | 8 | 30 | Phase C Current 24th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0696H | 01687 | 161 | 9 | 30 | Phase C Current 25th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0697H | 01688 | 161 | 10 | 30 | Phase C Current 26th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0698H | 01689 | 161 | 11 | 30 | Phase C Current 27th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0699H | 01690 | 161 | 12 | 30 | Phase C Current 28th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069AH | 01691 | 161 | 13 | 30 | Phase C Current 29th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069BH | 01692 | 161 | 14 | 30 | Phase C Current 30th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069CH | 01693 | 161 | 15 | 30 | Phase C Current 31st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069DH | 01694 | 162 | 0 | 30 | Phase C Current 32nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069EH | 01695 | 162 | 1 | 30 | Phase C Current 33rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 069FH | 01696 | 162 | 2 | 30 | Phase C Current 34th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A0H | 01697 | 162 | 3 | 30 | Phase C Current 35th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A1H | 01698 | 162 | 4 | 30 | Phase C Current 36th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A2H | 01699 | 162 | 5 | 30 | Phase C Current 37th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A3H | 01700 | 162 | 6 | 30 | Phase C Current 38th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A4H | 01701 | 162 | 7 | 30 | Phase C Current 39th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A5H | 01702 | 162 | 8 | 30 | Phase C Current 40th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A6H | 01703 | 162 | 9 | 30 | Phase C Current 41st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A7H | 01704 | 162 | 10 | 30 | Phase C Current 42nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A8H | 01705 | 162 | 11 | 30 | Phase C Current43rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06A9H | 01706 | 162 | 12 | 30 | Phase C Current 44th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06AAH | 01707 | 162 | 13 | 30 | Phase C Current 45th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06ABH | 01708 | 162 | 14 | 30 | Phase C Current 46th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06ACH | 01709 | 162 | 15 | 30 | Phase C Current 47th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06ADH | 01710 | 162 | 16 | 30 | Phase C Current 48th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06AEH | 01711 | 162 | 17 | 30 | Phase C Current 49th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06AFH | 01712 | 162 | 18 | 30 | Phase C Current 50th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B0H | 01713 | 162 | 19 | 30 | Phase C Current 51st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B1H | 01714 | 162 | 20 | 30 | Phase C Current 52nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B2H | 01715 | 162 | 21 | 30 | Phase C Current 53rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B3H | 01716 | 162 | 22 | 30 | Phase C Current 54th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B4H | 01717 | 162 | 23 | 30 | Phase C Current 55th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B5H | 01718 | 162 | 24 | 30 | Phase C Current 56th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B6H | 01719 | 162 | 25 | 30 | Phase C Current 57th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B7H | 01720 | 162 | 26 | 30 | Phase C Current 58th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B8H | 01721 | 162 | 27 | 30 | Phase C Current 59th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06B9H | 01722 | 162 | 28 | 30 | Phase C Current 60th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BAH | 01723 | 162 | 29 | 30 | Phase C Current 61st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BBH | 01724 | 162 | 30 | 30 | Phase C Current 62nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BCH | 01725 | 162 | 31 | 30 | Phase C Current 63rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BDH | 01726 | 163 | 0 | 30 | Phase C Current 64th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BEH | 01727 | 163 | 1 | 30 | Phase C Current 65th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06BFH | 01728 | 163 | 2 | 30 | Phase C Current 66th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C0H | 01729 | 163 | 3 | 30 | Phase C Current 67th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C1H | 01730 | 163 | 4 | 30 | Phase C Current 68th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C2H | 01731 | 163 | 5 | 30 | Phase C Current 69th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C3H | 01732 | 163 | 6 | 30 | Phase C Current 70th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C4H | 01733 | 163 | 7 | 30 | Phase C Current 71st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C5H | 01734 | 163 | 8 | 30 | Phase C Current 72nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C6H | 01735 | 163 | 9 | 30 | Phase C Current 73rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C7H | 01736 | 163 | 10 | 30 | Phase C Current 74th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06C8H | 01737 | 163 | 11 | 30 | Phase C Current 75th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 06C9H | 01738 | 163 | 12 | 30 | Phase C Current 76th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CAH | 01739 | 163 | 13 | 30 | Phase C Current 77th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CBH | 01740 | 163 | 14 | 30 | Phase C Current 78th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CCH | 01741 | 163 | 15 | 30 | Phase C Current 79th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CDH | 01742 | 163 | 16 | 30 | Phase C Current 80th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CEH | 01743 | 163 | 17 | 30 | Phase C Current 81st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06CFH | 01744 | 163 | 18 | 30 | Phase C Current 82nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D0H | 01745 | 163 | 19 | 30 | Phase C Current 83rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D1H | 01746 | 163 | 20 | 30 | Phase C Current 84th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D2H | 01747 | 163 | 21 | 30 | Phase C Current 85th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D3H | 01748 | 163 | 22 | 30 | Phase C Current 86th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D4H | 01749 | 163 | 23 | 30 | Phase C Current 87th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D5H | 01750 | 163 | 24 | 30 | Phase C Current 88th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D6H | 01751 | 163 | 25 | 30 | Phase C Current 89th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D7H | 01752 | 163 | 26 | 30 | Phase C Current 90th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D8H | 01753 | 163 | 27 | 30 | Phase C Current 91st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06D9H | 01754 | 163 | 28 | 30 | Phase C Current 92nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DAH | 01755 | 163 | 29 | 30 | Phase C Current 93rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DBH | 01756 | 163 | 30 | 30 | Phase C Current 94th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DCH | 01757 | 163 | 31 | 30 | Phase C Current 95th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DDH | 01758 | 163 | 32 | 30 | Phase C Current 96th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DEH | 01759 | 163 | 33 | 30 | Phase C Current 97th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06DFH | 01760 | 163 | 34 | 30 | Phase C Current 98th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E0H | 01761 | 163 | 35 | 30 | Phase C Current 99th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E1H | 01762 | 163 | 36 | 30 | Phase C Current 100th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E2H | 01763 | 163 | 37 | 30 | Phase C Current 101st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E3H | 01764 | 163 | 38 | 30 | Phase C Current 102nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E4H | 01765 | 163 | 39 | 30 | Phase C Current 103rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E5H | 01766 | 163 | 40 | 30 | Phase C Current 104th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E6H | 01767 | 163 | 41 | 30 | Phase C Current 105th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E7H | 01768 | 163 | 42 | 30 | Phase C Current 106th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E8H | 01769 | 163 | 43 | 30 | Phase C Current 107th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06E9H | 01770 | 163 | 44 | 30 | Phase C Current 108th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06EAH | 01771 | 163 | 45 | 30 | Phase C Current 109th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06EBH | 01772 | 163 | 46 | 30 | Phase C Current 110th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06ECH | 01773 | 163 | 47 | 30 | Phase C Current 111th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06EDH | 01774 | 163 | 48 | 30 | Phase C Current 112th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06EEH | 01775 | 163 | 49 | 30 | Phase C Current 113th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06EFH | 01776 | 163 | 50 | 30 | Phase C Current 114th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F0H | 01777 | 163 | 51 | 30 | Phase C Current 115th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F1H | 01778 | 163 | 52 | 30 | Phase C Current 116th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F2H | 01779 | 163 | 53 | 30 | Phase C Current 117th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F3H | 01780 | 163 | 54 | 30 | Phase C Current 118th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F4H | 01781 | 163 | 55 | 30 | Phase C Current 119th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F5H | 01782 | 163 | 56 | 30 | Phase C Current 120th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F6H | 01783 | 163 | 57 | 30 | Phase C Current 121st Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F7H | 01784 | 163 | 58 | 30 | Phase C Current 122nd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F8H | 01785 | 163 | 59 | 30 | Phase C Current 123rd Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06F9H | 01786 | 163 | 60 | 30 | Phase C Current 124th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06FAH | 01787 | 163 | 61 | 30 | Phase C Current 125th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06FBH | 01788 | 163 | 62 | 30 | Phase C Current 126th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |
| 06FCH | 01789 | 163 | 63 | 30 | Phase C Current 127th Harmonic Magnitude | +327.67% / -327.68% | 0.01% | F10 | R | |

| | Harmonic Phase Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 06FDH | 01790 | 164 | 0 | 30 | Phase A-N / Phase A-B Voltage 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 06FEH | 01791 | 164 | 1 | 30 | Phase A-N / Phase A-B Voltage 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 06FFH | 01792 | 164 | 2 | 30 | Phase A-N / Phase A-B Voltage 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0700H | 01793 | 164 | 3 | 30 | Phase A-N / Phase A-B Voltage 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0701H | 01794 | 164 | 4 | 30 | Phase A-N / Phase A-B Voltage 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0702H | 01795 | 164 | 5 | 30 | Phase A-N / Phase A-B Voltage 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0703H | 01796 | 164 | 6 | 30 | Phase A-N / Phase A-B Voltage 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0704H | 01797 | 164 | 7 | 30 | Phase A-N / Phase A-B Voltage 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0705H | 01798 | 165 | 0 | 30 | Phase A-N / Phase A-B Voltage 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0706H | 01799 | 165 | 1 | 30 | Phase A-N / Phase A-B Voltage 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0707H | 01800 | 165 | 2 | 30 | Phase A-N / Phase A-B Voltage 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0708H | 01801 | 165 | 3 | 30 | Phase A-N / Phase A-B Voltage 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0709H | 01802 | 165 | 4 | 30 | Phase A-N / Phase A-B Voltage 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070AH | 01803 | 165 | 5 | 30 | Phase A-N / Phase A-B Voltage 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070BH | 01804 | 165 | 6 | 30 | Phase A-N / Phase A-B Voltage 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070CH | 01805 | 165 | 7 | 30 | Phase A-N / Phase A-B Voltage 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070DH | 01806 | 166 | 0 | 30 | Phase A-N / Phase A-B Voltage 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070EH | 01807 | 166 | 1 | 30 | Phase A-N / Phase A-B Voltage 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 070FH | 01808 | 166 | 2 | 30 | Phase A-N / Phase A-B Voltage 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0710H | 01809 | 166 | 3 | 30 | Phase A-N / Phase A-B Voltage 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0711H | 01810 | 166 | 4 | 30 | Phase A-N / Phase A-B Voltage 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0712H | 01811 | 166 | 5 | 30 | Phase A-N / Phase A-B Voltage 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0713H | 01812 | 166 | 6 | 30 | Phase A-N / Phase A-B Voltage 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0714H | 01813 | 166 | 7 | 30 | Phase A-N / Phase A-B Voltage 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0715H | 01814 | 166 | 8 | 30 | Phase A-N / Phase A-B Voltage 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0716H | 01815 | 166 | 9 | 30 | Phase A-N / Phase A-B Voltage 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0717H | 01816 | 166 | 10 | 30 | Phase A-N / Phase A-B Voltage 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0718H | 01817 | 166 | 11 | 30 | Phase A-N / Phase A-B Voltage 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0719H | 01818 | 166 | 12 | 30 | Phase A-N / Phase A-B Voltage 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071AH | 01819 | 166 | 13 | 30 | Phase A-N / Phase A-B Voltage 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071BH | 01820 | 166 | 14 | 30 | Phase A-N / Phase A-B Voltage 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071CH | 01821 | 166 | 15 | 30 | Phase A-N / Phase A-B Voltage 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071DH | 01822 | 167 | 0 | 30 | Phase A-N / Phase A-B Voltage 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071EH | 01823 | 167 | 1 | 30 | Phase A-N / Phase A-B Voltage 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 071FH | 01824 | 167 | 2 | 30 | Phase A-N / Phase A-B Voltage 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0720H | 01825 | 167 | 3 | 30 | Phase A-N / Phase A-B Voltage 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0721H | 01826 | 167 | 4 | 30 | Phase A-N / Phase A-B Voltage 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0722H | 01827 | 167 | 5 | 30 | Phase A-N / Phase A-B Voltage 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0723H | 01828 | 167 | 6 | 30 | Phase A-N / Phase A-B Voltage 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0724H | 01829 | 167 | 7 | 30 | Phase A-N / Phase A-B Voltage 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0725H | 01830 | 167 | 8 | 30 | Phase A-N / Phase A-B Voltage 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0726H | 01831 | 167 | 9 | 30 | Phase A-N / Phase A-B Voltage 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0727H | 01832 | 167 | 10 | 30 | Phase A-N / Phase A-B Voltage 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0728H | 01833 | 167 | 11 | 30 | Phase A-N / Phase A-B Voltage 43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0729H | 01834 | 167 | 12 | 30 | Phase A-N / Phase A-B Voltage 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 072AH | 01835 | 167 | 13 | 30 | Phase A-N / Phase A-B Voltage 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 072BH | 01836 | 167 | 14 | 30 | Phase A-N / Phase A-B Voltage 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 072CH | 01837 | 167 | 15 | 30 | Phase A-N / Phase A-B Voltage 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 072DH | 01838 | 167 | 16 | 30 | Phase A-N / Phase A-B Voltage 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 072EH | 01839 | 167 | 17 | 30 | Phase A-N / Phase A-B Voltage 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 072FH | 01840 | 167 | 18 | 30 | Phase A-N / Phase A-B Voltage 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0730H | 01841 | 167 | 19 | 30 | Phase A-N / Phase A-B Voltage 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0731H | 01842 | 167 | 20 | 30 | Phase A-N / Phase A-B Voltage 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0732H | 01843 | 167 | 21 | 30 | Phase A-N / Phase A-B Voltage 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0733H | 01844 | 167 | 22 | 30 | Phase A-N / Phase A-B Voltage 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0734H | 01845 | 167 | 23 | 30 | Phase A-N / Phase A-B Voltage 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0735H | 01846 | 167 | 24 | 30 | Phase A-N / Phase A-B Voltage 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0736H | 01847 | 167 | 25 | 30 | Phase A-N / Phase A-B Voltage 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0737H | 01848 | 167 | 26 | 30 | Phase A-N / Phase A-B Voltage 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0738H | 01849 | 167 | 27 | 30 | Phase A-N / Phase A-B Voltage 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0739H | 01850 | 167 | 28 | 30 | Phase A-N / Phase A-B Voltage 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073AH | 01851 | 167 | 29 | 30 | Phase A-N / Phase A-B Voltage 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073BH | 01852 | 167 | 30 | 30 | Phase A-N / Phase A-B Voltage 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073CH | 01853 | 167 | 31 | 30 | Phase A-N / Phase A-B Voltage 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073DH | 01854 | 168 | 0 | 30 | Phase A-N / Phase A-B Voltage 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073EH | 01855 | 168 | 1 | 30 | Phase A-N / Phase A-B Voltage 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 073FH | 01856 | 168 | 2 | 30 | Phase A-N / Phase A-B Voltage 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0740H | 01857 | 168 | 3 | 30 | Phase A-N / Phase A-B Voltage 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0741H | 01858 | 168 | 4 | 30 | Phase A-N / Phase A-B Voltage 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0742H | 01859 | 168 | 5 | 30 | Phase A-N / Phase A-B Voltage 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0743H | 01860 | 168 | 6 | 30 | Phase A-N / Phase A-B Voltage 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0744H | 01861 | 168 | 7 | 30 | Phase A-N / Phase A-B Voltage 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0745H | 01862 | 168 | 8 | 30 | Phase A-N / Phase A-B Voltage 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0746H | 01863 | 168 | 9 | 30 | Phase A-N / Phase A-B Voltage 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0747H | 01864 | 168 | 10 | 30 | Phase A-N / Phase A-B Voltage 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0748H | 01865 | 168 | 11 | 30 | Phase A-N / Phase A-B Voltage 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0749H | 01866 | 168 | 12 | 30 | Phase A-N / Phase A-B Voltage 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 074AH | 01867 | 168 | 13 | 30 | Phase A-N / Phase A-B Voltage 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 074BH | 01868 | 168 | 14 | 30 | Phase A-N / Phase A-B Voltage 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 074CH | 01869 | 168 | 15 | 30 | Phase A-N / Phase A-B Voltage 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 074DH | 01870 | 168 | 16 | 30 | Phase A-N / Phase A-B Voltage 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 074EH | 01871 | 168 | 17 | 30 | Phase A-N / Phase A-B Voltage 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 074FH | 01872 | 168 | 18 | 30 | Phase A-N / Phase A-B Voltage 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0750H | 01873 | 168 | 19 | 30 | Phase A-N / Phase A-B Voltage 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0751H | 01874 | 168 | 20 | 30 | Phase A-N / Phase A-B Voltage 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0752H | 01875 | 168 | 21 | 30 | Phase A-N / Phase A-B Voltage 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0753H | 01876 | 168 | 22 | 30 | Phase A-N / Phase A-B Voltage 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0754H | 01877 | 168 | 23 | 30 | Phase A-N / Phase A-B Voltage 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0755H | 01878 | 168 | 24 | 30 | Phase A-N / Phase A-B Voltage 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0756H | 01879 | 168 | 25 | 30 | Phase A-N / Phase A-B Voltage 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0757H | 01880 | 168 | 26 | 30 | Phase A-N / Phase A-B Voltage 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0758H | 01881 | 168 | 27 | 30 | Phase A-N / Phase A-B Voltage 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0759H | 01882 | 168 | 28 | 30 | Phase A-N / Phase A-B Voltage 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 075AH | 01883 | 168 | 29 | 30 | Phase A-N / Phase A-B Voltage 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 075BH | 01884 | 168 | 30 | 30 | Phase A-N / Phase A-B Voltage 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 075CH | 01885 | 168 | 31 | 30 | Phase A-N / Phase A-B Voltage 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 075DH | 01886 | 168 | 32 | 30 | Phase A-N / Phase A-B Voltage 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 075EH | 01887 | 168 | 33 | 30 | Phase A-N / Phase A-B Voltage 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 075FH | 01888 | 168 | 34 | 30 | Phase A-N / Phase A-B Voltage 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0760H | 01889 | 168 | 35 | 30 | Phase A-N / Phase A-B Voltage 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0761H | 01890 | 168 | 36 | 30 | Phase A-N / Phase A-B Voltage 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0762H | 01891 | 168 | 37 | 30 | Phase A-N / Phase A-B Voltage 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0763H | 01892 | 168 | 38 | 30 | Phase A-N / Phase A-B Voltage 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0764H | 01893 | 168 | 39 | 30 | Phase A-N / Phase A-B Voltage 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0765H | 01894 | 168 | 40 | 30 | Phase A-N / Phase A-B Voltage 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0766H | 01895 | 168 | 41 | 30 | Phase A-N / Phase A-B Voltage 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0767H | 01896 | 168 | 42 | 30 | Phase A-N / Phase A-B Voltage 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0768H | 01897 | 168 | 43 | 30 | Phase A-N / Phase A-B Voltage 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0769H | 01898 | 168 | 44 | 30 | Phase A-N / Phase A-B Voltage 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076AH | 01899 | 168 | 45 | 30 | Phase A-N / Phase A-B Voltage 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076BH | 01900 | 168 | 46 | 30 | Phase A-N / Phase A-B Voltage 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076CH | 01901 | 168 | 47 | 30 | Phase A-N / Phase A-B Voltage 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076DH | 01902 | 168 | 48 | 30 | Phase A-N / Phase A-B Voltage 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076EH | 01903 | 168 | 49 | 30 | Phase A-N / Phase A-B Voltage 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 076FH | 01904 | 168 | 50 | 30 | Phase A-N / Phase A-B Voltage 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0770H | 01905 | 168 | 51 | 30 | Phase A-N / Phase A-B Voltage 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0771H | 01906 | 168 | 52 | 30 | Phase A-N / Phase A-B Voltage 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0772H | 01907 | 168 | 53 | 30 | Phase A-N / Phase A-B Voltage 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0773H | 01908 | 168 | 54 | 30 | Phase A-N / Phase A-B Voltage 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0774H | 01909 | 168 | 55 | 30 | Phase A-N / Phase A-B Voltage 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0775H | 01910 | 168 | 56 | 30 | Phase A-N / Phase A-B Voltage 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0776H | 01911 | 168 | 57 | 30 | Phase A-N / Phase A-B Voltage 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0777H | 01912 | 168 | 58 | 30 | Phase A-N / Phase A-B Voltage 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0778H | 01913 | 168 | 59 | 30 | Phase A-N / Phase A-B Voltage 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0779H | 01914 | 168 | 60 | 30 | Phase A-N / Phase A-B Voltage 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077AH | 01915 | 168 | 61 | 30 | Phase A-N / Phase A-B Voltage 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077BH | 01916 | 168 | 62 | 30 | Phase A-N / Phase A-B Voltage 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077CH | 01917 | 168 | 63 | 30 | Phase A-N / Phase A-B Voltage 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077DH | 01918 | 169 | 0 | 30 | Phase B-N / Phase B-C Voltage 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077EH | 01919 | 169 | 1 | 30 | Phase B-N / Phase B-C Voltage 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 077FH | 01920 | 169 | 2 | 30 | Phase B-N / Phase B-C Voltage 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0780H | 01921 | 169 | 3 | 30 | Phase B-N / Phase B-C Voltage 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0781H | 01922 | 169 | 4 | 30 | Phase B-N / Phase B-C Voltage 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0782H | 01923 | 169 | 5 | 30 | Phase B-N / Phase B-C Voltage 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0783H | 01924 | 169 | 6 | 30 | Phase B-N / Phase B-C Voltage 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0784H | 01925 | 169 | 7 | 30 | Phase B-N / Phase B-C Voltage 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0785H | 01926 | 170 | 0 | 30 | Phase B-N / Phase B-C Voltage 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0786H | 01927 | 170 | 1 | 30 | Phase B-N / Phase B-C Voltage 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0787H | 01928 | 170 | 2 | 30 | Phase B-N / Phase B-C Voltage 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0788H | 01929 | 170 | 3 | 30 | Phase B-N / Phase B-C Voltage 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0789H | 01930 | 170 | 4 | 30 | Phase B-N / Phase B-C Voltage 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078AH | 01931 | 170 | 5 | 30 | Phase B-N / Phase B-C Voltage 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078BH | 01932 | 170 | 6 | 30 | Phase B-N / Phase B-C Voltage 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078CH | 01933 | 170 | 7 | 30 | Phase B-N / Phase B-C Voltage 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078DH | 01934 | 171 | 0 | 30 | Phase B-N / Phase B-C Voltage 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078EH | 01935 | 171 | 1 | 30 | Phase B-N / Phase B-C Voltage 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 078FH | 01936 | 171 | 2 | 30 | Phase B-N / Phase B-C Voltage 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0790H | 01937 | 171 | 3 | 30 | Phase B-N / Phase B-C Voltage 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0791H | 01938 | 171 | 4 | 30 | Phase B-N / Phase B-C Voltage 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0792H | 01939 | 171 | 5 | 30 | Phase B-N / Phase B-C Voltage 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0793H | 01940 | 171 | 6 | 30 | Phase B-N / Phase B-C Voltage 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0794H | 01941 | 171 | 7 | 30 | Phase B-N / Phase B-C Voltage 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0795H | 01942 | 171 | 8 | 30 | Phase B-N / Phase B-C Voltage 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0796H | 01943 | 171 | 9 | 30 | Phase B-N / Phase B-C Voltage 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0797H | 01944 | 171 | 10 | 30 | Phase B-N / Phase B-C Voltage 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0798H | 01945 | 171 | 11 | 30 | Phase B-N / Phase B-C Voltage 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0799H | 01946 | 171 | 12 | 30 | Phase B-N / Phase B-C Voltage 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079AH | 01947 | 171 | 13 | 30 | Phase B-N / Phase B-C Voltage 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079BH | 01948 | 171 | 14 | 30 | Phase B-N / Phase B-C Voltage 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079CH | 01949 | 171 | 15 | 30 | Phase B-N / Phase B-C Voltage 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079DH | 01950 | 172 | 0 | 30 | Phase B-N / Phase B-C Voltage 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079EH | 01951 | 172 | 1 | 30 | Phase B-N / Phase B-C Voltage 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 079FH | 01952 | 172 | 2 | 30 | Phase B-N / Phase B-C Voltage 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A0H | 01953 | 172 | 3 | 30 | Phase B-N / Phase B-C Voltage 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A1H | 01954 | 172 | 4 | 30 | Phase B-N / Phase B-C Voltage 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A2H | 01955 | 172 | 5 | 30 | Phase B-N / Phase B-C Voltage 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A3H | 01956 | 172 | 6 | 30 | Phase B-N / Phase B-C Voltage 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A4H | 01957 | 172 | 7 | 30 | Phase B-N / Phase B-C Voltage 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A5H | 01958 | 172 | 8 | 30 | Phase B-N / Phase B-C Voltage 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A6H | 01959 | 172 | 9 | 30 | Phase B-N / Phase B-C Voltage 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A7H | 01960 | 172 | 10 | 30 | Phase B-N / Phase B-C Voltage 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A8H | 01961 | 172 | 11 | 30 | Phase B-N / Phase B-C Voltage 43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07A9H | 01962 | 172 | 12 | 30 | Phase B-N / Phase B-C Voltage 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07AAH | 01963 | 172 | 13 | 30 | Phase B-N / Phase B-C Voltage 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07ABH | 01964 | 172 | 14 | 30 | Phase B-N / Phase B-C Voltage 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07ACH | 01965 | 172 | 15 | 30 | Phase B-N / Phase B-C Voltage 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07ADH | 01966 | 172 | 16 | 30 | Phase B-N / Phase B-C Voltage 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07AEH | 01967 | 172 | 17 | 30 | Phase B-N / Phase B-C Voltage 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07AFH | 01968 | 172 | 18 | 30 | Phase B-N / Phase B-C Voltage 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B0H | 01969 | 172 | 19 | 30 | Phase B-N / Phase B-C Voltage 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B1H | 01970 | 172 | 20 | 30 | Phase B-N / Phase B-C Voltage 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 07B2H | 01971 | 172 | 21 | 30 | Phase B-N / Phase B-C Voltage 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B3H | 01972 | 172 | 22 | 30 | Phase B-N / Phase B-C Voltage 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B4H | 01973 | 172 | 23 | 30 | Phase B-N / Phase B-C Voltage 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B5H | 01974 | 172 | 24 | 30 | Phase B-N / Phase B-C Voltage 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B6H | 01975 | 172 | 25 | 30 | Phase B-N / Phase B-C Voltage 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B7H | 01976 | 172 | 26 | 30 | Phase B-N / Phase B-C Voltage 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B8H | 01977 | 172 | 27 | 30 | Phase B-N / Phase B-C Voltage 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07B9H | 01978 | 172 | 28 | 30 | Phase B-N / Phase B-C Voltage 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BAH | 01979 | 172 | 29 | 30 | Phase B-N / Phase B-C Voltage 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BBH | 01980 | 172 | 30 | 30 | Phase B-N / Phase B-C Voltage 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BCH | 01981 | 172 | 31 | 30 | Phase B-N / Phase B-C Voltage 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BDH | 01982 | 173 | 0 | 30 | Phase B-N / Phase B-C Voltage 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BEH | 01983 | 173 | 1 | 30 | Phase B-N / Phase B-C Voltage 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07BFH | 01984 | 173 | 2 | 30 | Phase B-N / Phase B-C Voltage 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C0H | 01985 | 173 | 3 | 30 | Phase B-N / Phase B-C Voltage 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C1H | 01986 | 173 | 4 | 30 | Phase B-N / Phase B-C Voltage 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C2H | 01987 | 173 | 5 | 30 | Phase B-N / Phase B-C Voltage 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C3H | 01988 | 173 | 6 | 30 | Phase B-N / Phase B-C Voltage 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C4H | 01989 | 173 | 7 | 30 | Phase B-N / Phase B-C Voltage 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C5H | 01990 | 173 | 8 | 30 | Phase B-N / Phase B-C Voltage 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C6H | 01991 | 173 | 9 | 30 | Phase B-N / Phase B-C Voltage 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C7H | 01992 | 173 | 10 | 30 | Phase B-N / Phase B-C Voltage 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C8H | 01993 | 173 | 11 | 30 | Phase B-N / Phase B-C Voltage 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07C9H | 01994 | 173 | 12 | 30 | Phase B-N / Phase B-C Voltage 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 07CAH | 01995 | 173 | 13 | 30 | Phase B-N / Phase B-C Voltage 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07CBH | 01996 | 173 | 14 | 30 | Phase B-N / Phase B-C Voltage 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07CCH | 01997 | 173 | 15 | 30 | Phase B-N / Phase B-C Voltage 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07CDH | 01998 | 173 | 16 | 30 | Phase B-N / Phase B-C Voltage 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07CEH | 01999 | 173 | 17 | 30 | Phase B-N / Phase B-C Voltage 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07CFH | 02000 | 173 | 18 | 30 | Phase B-N / Phase B-C Voltage 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D0H | 02001 | 173 | 19 | 30 | Phase B-N / Phase B-C Voltage 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D1H | 02002 | 173 | 20 | 30 | Phase B-N / Phase B-C Voltage 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D2H | 02003 | 173 | 21 | 30 | Phase B-N / Phase B-C Voltage 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D3H | 02004 | 173 | 22 | 30 | Phase B-N / Phase B-C Voltage 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D4H | 02005 | 173 | 23 | 30 | Phase B-N / Phase B-C Voltage 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D5H | 02006 | 173 | 24 | 30 | Phase B-N / Phase B-C Voltage 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D6H | 02007 | 173 | 25 | 30 | Phase B-N / Phase B-C Voltage 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D7H | 02008 | 173 | 26 | 30 | Phase B-N / Phase B-C Voltage 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D8H | 02009 | 173 | 27 | 30 | Phase B-N / Phase B-C Voltage 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07D9H | 02010 | 173 | 28 | 30 | Phase B-N / Phase B-C Voltage 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DAH | 02011 | 173 | 29 | 30 | Phase B-N / Phase B-C Voltage 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DBH | 02012 | 173 | 30 | 30 | Phase B-N / Phase B-C Voltage 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DCH | 02013 | 173 | 31 | 30 | Phase B-N / Phase B-C Voltage 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DDH | 02014 | 173 | 32 | 30 | Phase B-N / Phase B-C Voltage 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DEH | 02015 | 173 | 33 | 30 | Phase B-N / Phase B-C Voltage 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07DFH | 02016 | 173 | 34 | 30 | Phase B-N / Phase B-C Voltage 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E0H | 02017 | 173 | 35 | 30 | Phase B-N / Phase B-C Voltage 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E1H | 02018 | 173 | 36 | 30 | Phase B-N / Phase B-C Voltage 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E2H | 02019 | 173 | 37 | 30 | Phase B-N / Phase B-C Voltage 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E3H | 02020 | 173 | 38 | 30 | Phase B-N / Phase B-C Voltage 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E4H | 02021 | 173 | 39 | 30 | Phase B-N / Phase B-C Voltage 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E5H | 02022 | 173 | 40 | 30 | Phase B-N / Phase B-C Voltage 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 07E6H | 02023 | 173 | 41 | 30 | Phase B-N / Phase B-C Voltage 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E7H | 02024 | 173 | 42 | 30 | Phase B-N / Phase B-C Voltage 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E8H | 02025 | 173 | 43 | 30 | Phase B-N / Phase B-C Voltage 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07E9H | 02026 | 173 | 44 | 30 | Phase B-N / Phase B-C Voltage 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07EAH | 02027 | 173 | 45 | 30 | Phase B-N / Phase B-C Voltage 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07EBH | 02028 | 173 | 46 | 30 | Phase B-N / Phase B-C Voltage 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07ECH | 02029 | 173 | 47 | 30 | Phase B-N / Phase B-C Voltage 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07EDH | 02030 | 173 | 48 | 30 | Phase B-N / Phase B-C Voltage 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07EEH | 02031 | 173 | 49 | 30 | Phase B-N / Phase B-C Voltage 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07EFH | 02032 | 173 | 50 | 30 | Phase B-N / Phase B-C Voltage 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F0H | 02033 | 173 | 51 | 30 | Phase B-N / Phase B-C Voltage 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F1H | 02034 | 173 | 52 | 30 | Phase B-N / Phase B-C Voltage 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F2H | 02035 | 173 | 53 | 30 | Phase B-N / Phase B-C Voltage 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F3H | 02036 | 173 | 54 | 30 | Phase B-N / Phase B-C Voltage 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F4H | 02037 | 173 | 55 | 30 | Phase B-N / Phase B-C Voltage 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F5H | 02038 | 173 | 56 | 30 | Phase B-N / Phase B-C Voltage 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F6H | 02039 | 173 | 57 | 30 | Phase B-N / Phase B-C Voltage 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F7H | 02040 | 173 | 58 | 30 | Phase B-N / Phase B-C Voltage 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F8H | 02041 | 173 | 59 | 30 | Phase B-N / Phase B-C Voltage 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07F9H | 02042 | 173 | 60 | 30 | Phase B-N / Phase B-C Voltage 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07FAH | 02043 | 173 | 61 | 30 | Phase B-N / Phase B-C Voltage 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07FBH | 02044 | 173 | 62 | 30 | Phase B-N / Phase B-C Voltage 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07FCH | 02045 | 173 | 63 | 30 | Phase B-N / Phase B-C Voltage 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07FDH | 02046 | 174 | 0 | 30 | Phase C-N / Phase C-A Voltage 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 07FEH | 02047 | 174 | 1 | 30 | Phase C-N / Phase C-A Voltage 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 07FFH | 02048 | 174 | 2 | 30 | Phase C-N / Phase C-A Voltage 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0800H | 02049 | 174 | 3 | 30 | Phase C-N / Phase C-A Voltage 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0801H | 02050 | 174 | 4 | 30 | Phase C-N / Phase C-A Voltage 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0802H | 02051 | 174 | 5 | 30 | Phase C-N / Phase C-A Voltage 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0803H | 02052 | 174 | 6 | 30 | Phase C-N / Phase C-A Voltage 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0804H | 02053 | 174 | 7 | 30 | Phase C-N / Phase C-A Voltage 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0805H | 02054 | 175 | 0 | 30 | Phase C-N / Phase C-A Voltage 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0806H | 02055 | 175 | 1 | 30 | Phase C-N / Phase C-A Voltage 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0807H | 02056 | 175 | 2 | 30 | Phase C-N / Phase C-A Voltage 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0808H | 02057 | 175 | 3 | 30 | Phase C-N / Phase C-A Voltage 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0809H | 02058 | 175 | 4 | 30 | Phase C-N / Phase C-A Voltage 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080AH | 02059 | 175 | 5 | 30 | Phase C-N / Phase C-A Voltage 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080BH | 02060 | 175 | 6 | 30 | Phase C-N / Phase C-A Voltage 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080CH | 02061 | 175 | 7 | 30 | Phase C-N / Phase C-A Voltage 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080DH | 02062 | 176 | 0 | 30 | Phase C-N / Phase C-A Voltage 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080EH | 02063 | 176 | 1 | 30 | Phase C-N / Phase C-A Voltage 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 080FH | 02064 | 176 | 2 | 30 | Phase C-N / Phase C-A Voltage 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0810H | 02065 | 176 | 3 | 30 | Phase C-N / Phase C-A Voltage 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0811H | 02066 | 176 | 4 | 30 | Phase C-N / Phase C-A Voltage 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0812H | 02067 | 176 | 5 | 30 | Phase C-N / Phase C-A Voltage 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0813H | 02068 | 176 | 6 | 30 | Phase C-N / Phase C-A Voltage 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0814H | 02069 | 176 | 7 | 30 | Phase C-N / Phase C-A Voltage 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0815H | 02070 | 176 | 8 | 30 | Phase C-N / Phase C-A Voltage 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0816H | 02071 | 176 | 9 | 30 | Phase C-N / Phase C-A Voltage 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0817H | 02072 | 176 | 10 | 30 | Phase C-N / Phase C-A Voltage 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0818H | 02073 | 176 | 11 | 30 | Phase C-N / Phase C-A Voltage 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0819H | 02074 | 176 | 12 | 30 | Phase C-N / Phase C-A Voltage 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 081AH | 02075 | 176 | 13 | 30 | Phase C-N / Phase C-A Voltage 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 081BH | 02076 | 176 | 14 | 30 | Phase C-N / Phase C-A Voltage 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 081CH | 02077 | 176 | 15 | 30 | Phase C-N / Phase C-A Voltage 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 081DH | 02078 | 177 | 0 | 30 | Phase C-N / Phase C-A Voltage 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 081EH | 02079 | 177 | 1 | 30 | Phase C-N / Phase C-A Voltage 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 081FH | 02080 | 177 | 2 | 30 | Phase C-N / Phase C-A Voltage 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0820H | 02081 | 177 | 3 | 30 | Phase C-N / Phase C-A Voltage 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0821H | 02082 | 177 | 4 | 30 | Phase C-N / Phase C-A Voltage 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0822H | 02083 | 177 | 5 | 30 | Phase C-N / Phase C-A Voltage 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0823H | 02084 | 177 | 6 | 30 | Phase C-N / Phase C-A Voltage 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0824H | 02085 | 177 | 7 | 30 | Phase C-N / Phase C-A Voltage 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0825H | 02086 | 177 | 8 | 30 | Phase C-N / Phase C-A Voltage 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0826H | 02087 | 177 | 9 | 30 | Phase C-N / Phase C-A Voltage 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0827H | 02088 | 177 | 10 | 30 | Phase C-N / Phase C-A Voltage 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0828H | 02089 | 177 | 11 | 30 | Phase C-N / Phase C-A Voltage 43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0829H | 02090 | 177 | 12 | 30 | Phase C-N / Phase C-A Voltage 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082AH | 02091 | 177 | 13 | 30 | Phase C-N / Phase C-A Voltage 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082BH | 02092 | 177 | 14 | 30 | Phase C-N / Phase C-A Voltage 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082CH | 02093 | 177 | 15 | 30 | Phase C-N / Phase C-A Voltage 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082DH | 02094 | 177 | 16 | 30 | Phase C-N / Phase C-A Voltage 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082EH | 02095 | 177 | 17 | 30 | Phase C-N / Phase C-A Voltage 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 082FH | 02096 | 177 | 18 | 30 | Phase C-N / Phase C-A Voltage 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0830H | 02097 | 177 | 19 | 30 | Phase C-N / Phase C-A Voltage 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0831H | 02098 | 177 | 20 | 30 | Phase C-N / Phase C-A Voltage 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0832H | 02099 | 177 | 21 | 30 | Phase C-N / Phase C-A Voltage 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0833H | 02100 | 177 | 22 | 30 | Phase C-N / Phase C-A Voltage 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0834H | 02101 | 177 | 23 | 30 | Phase C-N / Phase C-A Voltage 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0835H | 02102 | 177 | 24 | 30 | Phase C-N / Phase C-A Voltage 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0836H | 02103 | 177 | 25 | 30 | Phase C-N / Phase C-A Voltage 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0837H | 02104 | 177 | 26 | 30 | Phase C-N / Phase C-A Voltage 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0838H | 02105 | 177 | 27 | 30 | Phase C-N / Phase C-A Voltage 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0839H | 02106 | 177 | 28 | 30 | Phase C-N / Phase C-A Voltage 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083AH | 02107 | 177 | 29 | 30 | Phase C-N / Phase C-A Voltage 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083BH | 02108 | 177 | 30 | 30 | Phase C-N / Phase C-A Voltage 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083CH | 02109 | 177 | 31 | 30 | Phase C-N / Phase C-A Voltage 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083DH | 02110 | 178 | 0 | 30 | Phase C-N / Phase C-A Voltage 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083EH | 02111 | 178 | 1 | 30 | Phase C-N / Phase C-A Voltage 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 083FH | 02112 | 178 | 2 | 30 | Phase C-N / Phase C-A Voltage 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0840H | 02113 | 178 | 3 | 30 | Phase C-N / Phase C-A Voltage 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0841H | 02114 | 178 | 4 | 30 | Phase C-N / Phase C-A Voltage 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0842H | 02115 | 178 | 5 | 30 | Phase C-N / Phase C-A Voltage 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0843H | 02116 | 178 | 6 | 30 | Phase C-N / Phase C-A Voltage 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0844H | 02117 | 178 | 7 | 30 | Phase C-N / Phase C-A Voltage 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0845H | 02118 | 178 | 8 | 30 | Phase C-N / Phase C-A Voltage 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0846H | 02119 | 178 | 9 | 30 | Phase C-N / Phase C-A Voltage 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0847H | 02120 | 178 | 10 | 30 | Phase C-N / Phase C-A Voltage 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0848H | 02121 | 178 | 11 | 30 | Phase C-N / Phase C-A Voltage 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0849H | 02122 | 178 | 12 | 30 | Phase C-N / Phase C-A Voltage 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084AH | 02123 | 178 | 13 | 30 | Phase C-N / Phase C-A Voltage 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084BH | 02124 | 178 | 14 | 30 | Phase C-N / Phase C-A Voltage 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084CH | 02125 | 178 | 15 | 30 | Phase C-N / Phase C-A Voltage 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084DH | 02126 | 178 | 16 | 30 | Phase C-N / Phase C-A Voltage 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084EH | 02127 | 178 | 17 | 30 | Phase C-N / Phase C-A Voltage 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 084FH | 02128 | 178 | 18 | 30 | Phase C-N / Phase C-A Voltage 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0850H | 02129 | 178 | 19 | 30 | Phase C-N / Phase C-A Voltage 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0851H | 02130 | 178 | 20 | 30 | Phase C-N / Phase C-A Voltage 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0852H | 02131 | 178 | 21 | 30 | Phase C-N / Phase C-A Voltage 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0853H | 02132 | 178 | 22 | 30 | Phase C-N / Phase C-A Voltage 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0854H | 02133 | 178 | 23 | 30 | Phase C-N / Phase C-A Voltage 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0855H | 02134 | 178 | 24 | 30 | Phase C-N / Phase C-A Voltage 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0856H | 02135 | 178 | 25 | 30 | Phase C-N / Phase C-A Voltage 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0857H | 02136 | 178 | 26 | 30 | Phase C-N / Phase C-A Voltage 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0858H | 02137 | 178 | 27 | 30 | Phase C-N / Phase C-A Voltage 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0859H | 02138 | 178 | 28 | 30 | Phase C-N / Phase C-A Voltage 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085AH | 02139 | 178 | 29 | 30 | Phase C-N / Phase C-A Voltage 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085BH | 02140 | 178 | 30 | 30 | Phase C-N / Phase C-A Voltage 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085CH | 02141 | 178 | 31 | 30 | Phase C-N / Phase C-A Voltage 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085DH | 02142 | 178 | 32 | 30 | Phase C-N / Phase C-A Voltage 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085EH | 02143 | 178 | 33 | 30 | Phase C-N / Phase C-A Voltage 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 085FH | 02144 | 178 | 34 | 30 | Phase C-N / Phase C-A Voltage 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0860H | 02145 | 178 | 35 | 30 | Phase C-N / Phase C-A Voltage 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0861H | 02146 | 178 | 36 | 30 | Phase C-N / Phase C-A Voltage 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0862H | 02147 | 178 | 37 | 30 | Phase C-N / Phase C-A Voltage 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0863H | 02148 | 178 | 38 | 30 | Phase C-N / Phase C-A Voltage 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0864H | 02149 | 178 | 39 | 30 | Phase C-N / Phase C-A Voltage 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0865H | 02150 | 178 | 40 | 30 | Phase C-N / Phase C-A Voltage 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0866H | 02151 | 178 | 41 | 30 | Phase C-N / Phase C-A Voltage 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0867H | 02152 | 178 | 42 | 30 | Phase C-N / Phase C-A Voltage 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0868H | 02153 | 178 | 43 | 30 | Phase C-N / Phase C-A Voltage 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0869H | 02154 | 178 | 44 | 30 | Phase C-N / Phase C-A Voltage 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 086AH | 02155 | 178 | 45 | 30 | Phase C-N / Phase C-A Voltage 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 086BH | 02156 | 178 | 46 | 30 | Phase C-N / Phase C-A Voltage 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 086CH | 02157 | 178 | 47 | 30 | Phase C-N / Phase C-A Voltage 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 086DH | 02158 | 178 | 48 | 30 | Phase C-N / Phase C-A Voltage 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 086EH | 02159 | 178 | 49 | 30 | Phase C-N / Phase C-A Voltage 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 086FH | 02160 | 178 | 50 | 30 | Phase C-N / Phase C-A Voltage 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0870H | 02161 | 178 | 51 | 30 | Phase C-N / Phase C-A Voltage 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0871H | 02162 | 178 | 52 | 30 | Phase C-N / Phase C-A Voltage 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0872H | 02163 | 178 | 53 | 30 | Phase C-N / Phase C-A Voltage 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0873H | 02164 | 178 | 54 | 30 | Phase C-N / Phase C-A Voltage 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0874H | 02165 | 178 | 55 | 30 | Phase C-N / Phase C-A Voltage 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0875H | 02166 | 178 | 56 | 30 | Phase C-N / Phase C-A Voltage 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0876H | 02167 | 178 | 57 | 30 | Phase C-N / Phase C-A Voltage 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0877H | 02168 | 178 | 58 | 30 | Phase C-N / Phase C-A Voltage 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0878H | 02169 | 178 | 59 | 30 | Phase C-N / Phase C-A Voltage 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0879H | 02170 | 178 | 60 | 30 | Phase C-N / Phase C-A Voltage 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087AH | 02171 | 178 | 61 | 30 | Phase C-N / Phase C-A Voltage 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087BH | 02172 | 178 | 62 | 30 | Phase C-N / Phase C-A Voltage 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087CH | 02173 | 178 | 63 | 30 | Phase C-N / Phase C-A Voltage 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087DH | 02174 | 179 | 0 | 30 | Phase A Current 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087EH | 02175 | 179 | 1 | 30 | Phase A Current 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 087FH | 02176 | 179 | 2 | 30 | Phase A Current 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0880H | 02177 | 179 | 3 | 30 | Phase A Current 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0881H | 02178 | 179 | 4 | 30 | Phase A Current 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0882H | 02179 | 179 | 5 | 30 | Phase A Current 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0883H | 02180 | 179 | 6 | 30 | Phase A Current 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0884H | 02181 | 179 | 7 | 30 | Phase A Current 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0885H | 02182 | 180 | 0 | 30 | Phase A Current 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0886H | 02183 | 180 | 1 | 30 | Phase A Current 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0887H | 02184 | 180 | 2 | 30 | Phase A Current 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0888H | 02185 | 180 | 3 | 30 | Phase A Current 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0889H | 02186 | 180 | 4 | 30 | Phase A Current 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 088AH | 02187 | 180 | 5 | 30 | Phase A Current 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 088BH | 02188 | 180 | 6 | 30 | Phase A Current 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 088CH | 02189 | 180 | 7 | 30 | Phase A Current 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 088DH | 02190 | 181 | 0 | 30 | Phase A Current 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 088EH | 02191 | 181 | 1 | 30 | Phase A Current 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 088FH | 02192 | 181 | 2 | 30 | Phase A Current 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0890H | 02193 | 181 | 3 | 30 | Phase A Current 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0891H | 02194 | 181 | 4 | 30 | Phase A Current 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0892H | 02195 | 181 | 5 | 30 | Phase A Current 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0893H | 02196 | 181 | 6 | 30 | Phase A Current 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0894H | 02197 | 181 | 7 | 30 | Phase A Current 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0895H | 02198 | 181 | 8 | 30 | Phase A Current 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0896H | 02199 | 181 | 9 | 30 | Phase A Current 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0897H | 02200 | 181 | 10 | 30 | Phase A Current 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0898H | 02201 | 181 | 11 | 30 | Phase A Current 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0899H | 02202 | 181 | 12 | 30 | Phase A Current 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089AH | 02203 | 181 | 13 | 30 | Phase A Current 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089BH | 02204 | 181 | 14 | 30 | Phase A Current 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089CH | 02205 | 181 | 15 | 30 | Phase A Current 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089DH | 02206 | 182 | 0 | 30 | Phase A Current 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089EH | 02207 | 182 | 1 | 30 | Phase A Current 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 089FH | 02208 | 182 | 2 | 30 | Phase A Current 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A0H | 02209 | 182 | 3 | 30 | Phase A Current 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A1H | 02210 | 182 | 4 | 30 | Phase A Current 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 08A2H | 02211 | 182 | 5 | 30 | Phase A Current 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A3H | 02212 | 182 | 6 | 30 | Phase A Current 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A4H | 02213 | 182 | 7 | 30 | Phase A Current 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A5H | 02214 | 182 | 8 | 30 | Phase A Current 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A6H | 02215 | 182 | 9 | 30 | Phase A Current 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A7H | 02216 | 182 | 10 | 30 | Phase A Current 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A8H | 02217 | 182 | 11 | 30 | Phase A Current43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08A9H | 02218 | 182 | 12 | 30 | Phase A Current 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08AAH | 02219 | 182 | 13 | 30 | Phase A Current 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08ABH | 02220 | 182 | 14 | 30 | Phase A Current 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08ACH | 02221 | 182 | 15 | 30 | Phase A Current 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08ADH | 02222 | 182 | 16 | 30 | Phase A Current 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08AEH | 02223 | 182 | 17 | 30 | Phase A Current 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08AFH | 02224 | 182 | 18 | 30 | Phase A Current 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B0H | 02225 | 182 | 19 | 30 | Phase A Current 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B1H | 02226 | 182 | 20 | 30 | Phase A Current 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B2H | 02227 | 182 | 21 | 30 | Phase A Current 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B3H | 02228 | 182 | 22 | 30 | Phase A Current 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B4H | 02229 | 182 | 23 | 30 | Phase A Current 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B5H | 02230 | 182 | 24 | 30 | Phase A Current 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B6H | 02231 | 182 | 25 | 30 | Phase A Current 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B7H | 02232 | 182 | 26 | 30 | Phase A Current 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B8H | 02233 | 182 | 27 | 30 | Phase A Current 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08B9H | 02234 | 182 | 28 | 30 | Phase A Current 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BAH | 02235 | 182 | 29 | 30 | Phase A Current 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BBH | 02236 | 182 | 30 | 30 | Phase A Current 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BCH | 02237 | 182 | 31 | 30 | Phase A Current 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BDH | 02238 | 183 | 0 | 30 | Phase A Current 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BEH | 02239 | 183 | 1 | 30 | Phase A Current 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08BFH | 02240 | 183 | 2 | 30 | Phase A Current 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 08C0H | 02241 | 183 | 3 | 30 | Phase A Current 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C1H | 02242 | 183 | 4 | 30 | Phase A Current 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C2H | 02243 | 183 | 5 | 30 | Phase A Current 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C3H | 02244 | 183 | 6 | 30 | Phase A Current 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C4H | 02245 | 183 | 7 | 30 | Phase A Current 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C5H | 02246 | 183 | 8 | 30 | Phase A Current 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C6H | 02247 | 183 | 9 | 30 | Phase A Current 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C7H | 02248 | 183 | 10 | 30 | Phase A Current 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C8H | 02249 | 183 | 11 | 30 | Phase A Current 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08C9H | 02250 | 183 | 12 | 30 | Phase A Current 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CAH | 02251 | 183 | 13 | 30 | Phase A Current 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CBH | 02252 | 183 | 14 | 30 | Phase A Current 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CCH | 02253 | 183 | 15 | 30 | Phase A Current 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CDH | 02254 | 183 | 16 | 30 | Phase A Current 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CEH | 02255 | 183 | 17 | 30 | Phase A Current 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08CFH | 02256 | 183 | 18 | 30 | Phase A Current 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D0H | 02257 | 183 | 19 | 30 | Phase A Current 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D1H | 02258 | 183 | 20 | 30 | Phase A Current 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D2H | 02259 | 183 | 21 | 30 | Phase A Current 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D3H | 02260 | 183 | 22 | 30 | Phase A Current 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D4H | 02261 | 183 | 23 | 30 | Phase A Current 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D5H | 02262 | 183 | 24 | 30 | Phase A Current 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 08D6H | 02263 | 183 | 25 | 30 | Phase A Current 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D7H | 02264 | 183 | 26 | 30 | Phase A Current 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D8H | 02265 | 183 | 27 | 30 | Phase A Current 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08D9H | 02266 | 183 | 28 | 30 | Phase A Current 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DAH | 02267 | 183 | 29 | 30 | Phase A Current 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DBH | 02268 | 183 | 30 | 30 | Phase A Current 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DCH | 02269 | 183 | 31 | 30 | Phase A Current 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DDH | 02270 | 183 | 32 | 30 | Phase A Current 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DEH | 02271 | 183 | 33 | 30 | Phase A Current 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08DFH | 02272 | 183 | 34 | 30 | Phase A Current 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E0H | 02273 | 183 | 35 | 30 | Phase A Current 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E1H | 02274 | 183 | 36 | 30 | Phase A Current 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E2H | 02275 | 183 | 37 | 30 | Phase A Current 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E3H | 02276 | 183 | 38 | 30 | Phase A Current 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E4H | 02277 | 183 | 39 | 30 | Phase A Current 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E5H | 02278 | 183 | 40 | 30 | Phase A Current 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E6H | 02279 | 183 | 41 | 30 | Phase A Current 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E7H | 02280 | 183 | 42 | 30 | Phase A Current 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E8H | 02281 | 183 | 43 | 30 | Phase A Current 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08E9H | 02282 | 183 | 44 | 30 | Phase A Current 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08EAH | 02283 | 183 | 45 | 30 | Phase A Current 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08EBH | 02284 | 183 | 46 | 30 | Phase A Current 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08ECH | 02285 | 183 | 47 | 30 | Phase A Current 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08EDH | 02286 | 183 | 48 | 30 | Phase A Current 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08EEH | 02287 | 183 | 49 | 30 | Phase A Current 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08EFH | 02288 | 183 | 50 | 30 | Phase A Current 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F0H | 02289 | 183 | 51 | 30 | Phase A Current 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F1H | 02290 | 183 | 52 | 30 | Phase A Current 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F2H | 02291 | 183 | 53 | 30 | Phase A Current 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F3H | 02292 | 183 | 54 | 30 | Phase A Current 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F4H | 02293 | 183 | 55 | 30 | Phase A Current 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F5H | 02294 | 183 | 56 | 30 | Phase A Current 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 08F6H | 02295 | 183 | 57 | 30 | Phase A Current 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F7H | 02296 | 183 | 58 | 30 | Phase A Current 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F8H | 02297 | 183 | 59 | 30 | Phase A Current 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08F9H | 02298 | 183 | 60 | 30 | Phase A Current 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FAH | 02299 | 183 | 61 | 30 | Phase A Current 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FBH | 02300 | 183 | 62 | 30 | Phase A Current 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FCH | 02301 | 183 | 63 | 30 | Phase A Current 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FDH | 02302 | 184 | 0 | 30 | Phase B Current 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FEH | 02303 | 184 | 1 | 30 | Phase B Current 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 08FFH | 02304 | 184 | 2 | 30 | Phase B Current 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0900H | 02305 | 184 | 3 | 30 | Phase B Current 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0901H | 02306 | 184 | 4 | 30 | Phase B Current 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0902H | 02307 | 184 | 5 | 30 | Phase B Current 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0903H | 02308 | 184 | 6 | 30 | Phase B Current 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0904H | 02309 | 184 | 7 | 30 | Phase B Current 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0905H | 02310 | 185 | 0 | 30 | Phase B Current 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0906H | 02311 | 185 | 1 | 30 | Phase B Current 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0907H | 02312 | 185 | 2 | 30 | Phase B Current 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0908H | 02313 | 185 | 3 | 30 | Phase B Current 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0909H | 02314 | 185 | 4 | 30 | Phase B Current 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090AH | 02315 | 185 | 5 | 30 | Phase B Current 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090BH | 02316 | 185 | 6 | 30 | Phase B Current 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090CH | 02317 | 185 | 7 | 30 | Phase B Current 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090DH | 02318 | 186 | 0 | 30 | Phase B Current 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090EH | 02319 | 186 | 1 | 30 | Phase B Current 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 090FH | 02320 | 186 | 2 | 30 | Phase B Current 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0910H | 02321 | 186 | 3 | 30 | Phase B Current 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0911H | 02322 | 186 | 4 | 30 | Phase B Current 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0912H | 02323 | 186 | 5 | 30 | Phase B Current 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0913H | 02324 | 186 | 6 | 30 | Phase B Current 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0914H | 02325 | 186 | 7 | 30 | Phase B Current 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0915H | 02326 | 186 | 8 | 30 | Phase B Current 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0916H | 02327 | 186 | 9 | 30 | Phase B Current 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0917H | 02328 | 186 | 10 | 30 | Phase B Current 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0918H | 02329 | 186 | 11 | 30 | Phase B Current 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0919H | 02330 | 186 | 12 | 30 | Phase B Current 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091AH | 02331 | 186 | 13 | 30 | Phase B Current 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091BH | 02332 | 186 | 14 | 30 | Phase B Current 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091CH | 02333 | 186 | 15 | 30 | Phase B Current 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091DH | 02334 | 187 | 0 | 30 | Phase B Current 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091EH | 02335 | 187 | 1 | 30 | Phase B Current 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 091FH | 02336 | 187 | 2 | 30 | Phase B Current 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0920H | 02337 | 187 | 3 | 30 | Phase B Current 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0921H | 02338 | 187 | 4 | 30 | Phase B Current 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0922H | 02339 | 187 | 5 | 30 | Phase B Current 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0923H | 02340 | 187 | 6 | 30 | Phase B Current 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0924H | 02341 | 187 | 7 | 30 | Phase B Current 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0925H | 02342 | 187 | 8 | 30 | Phase B Current 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0926H | 02343 | 187 | 9 | 30 | Phase B Current 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0927H | 02344 | 187 | 10 | 30 | Phase B Current 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0928H | 02345 | 187 | 11 | 30 | Phase B Current43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0929H | 02346 | 187 | 12 | 30 | Phase B Current 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092AH | 02347 | 187 | 13 | 30 | Phase B Current 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092BH | 02348 | 187 | 14 | 30 | Phase B Current 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092CH | 02349 | 187 | 15 | 30 | Phase B Current 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092DH | 02350 | 187 | 16 | 30 | Phase B Current 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092EH | 02351 | 187 | 17 | 30 | Phase B Current 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 092FH | 02352 | 187 | 18 | 30 | Phase B Current 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0930H | 02353 | 187 | 19 | 30 | Phase B Current 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0931H | 02354 | 187 | 20 | 30 | Phase B Current 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0932H | 02355 | 187 | 21 | 30 | Phase B Current 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0933H | 02356 | 187 | 22 | 30 | Phase B Current 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0934H | 02357 | 187 | 23 | 30 | Phase B Current 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0935H | 02358 | 187 | 24 | 30 | Phase B Current 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0936H | 02359 | 187 | 25 | 30 | Phase B Current 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0937H | 02360 | 187 | 26 | 30 | Phase B Current 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0938H | 02361 | 187 | 27 | 30 | Phase B Current 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0939H | 02362 | 187 | 28 | 30 | Phase B Current 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093AH | 02363 | 187 | 29 | 30 | Phase B Current 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093BH | 02364 | 187 | 30 | 30 | Phase B Current 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093CH | 02365 | 187 | 31 | 30 | Phase B Current 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093DH | 02366 | 188 | 0 | 30 | Phase B Current 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093EH | 02367 | 188 | 1 | 30 | Phase B Current 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 093FH | 02368 | 188 | 2 | 30 | Phase B Current 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0940H | 02369 | 188 | 3 | 30 | Phase B Current 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0941H | 02370 | 188 | 4 | 30 | Phase B Current 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0942H | 02371 | 188 | 5 | 30 | Phase B Current 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0943H | 02372 | 188 | 6 | 30 | Phase B Current 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0944H | 02373 | 188 | 7 | 30 | Phase B Current 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0945H | 02374 | 188 | 8 | 30 | Phase B Current 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0946H | 02375 | 188 | 9 | 30 | Phase B Current 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0947H | 02376 | 188 | 10 | 30 | Phase B Current 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0948H | 02377 | 188 | 11 | 30 | Phase B Current 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0949H | 02378 | 188 | 12 | 30 | Phase B Current 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094AH | 02379 | 188 | 13 | 30 | Phase B Current 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094BH | 02380 | 188 | 14 | 30 | Phase B Current 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094CH | 02381 | 188 | 15 | 30 | Phase B Current 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094DH | 02382 | 188 | 16 | 30 | Phase B Current 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094EH | 02383 | 188 | 17 | 30 | Phase B Current 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 094FH | 02384 | 188 | 18 | 30 | Phase B Current 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0950H | 02385 | 188 | 19 | 30 | Phase B Current 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0951H | 02386 | 188 | 20 | 30 | Phase B Current 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0952H | 02387 | 188 | 21 | 30 | Phase B Current 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0953H | 02388 | 188 | 22 | 30 | Phase B Current 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0954H | 02389 | 188 | 23 | 30 | Phase B Current 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0955H | 02390 | 188 | 24 | 30 | Phase B Current 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0956H | 02391 | 188 | 25 | 30 | Phase B Current 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0957H | 02392 | 188 | 26 | 30 | Phase B Current 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0958H | 02393 | 188 | 27 | 30 | Phase B Current 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0959H | 02394 | 188 | 28 | 30 | Phase B Current 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095AH | 02395 | 188 | 29 | 30 | Phase B Current 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095BH | 02396 | 188 | 30 | 30 | Phase B Current 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095CH | 02397 | 188 | 31 | 30 | Phase B Current 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095DH | 02398 | 188 | 32 | 30 | Phase B Current 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095EH | 02399 | 188 | 33 | 30 | Phase B Current 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 095FH | 02400 | 188 | 34 | 30 | Phase B Current 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0960H | 02401 | 188 | 35 | 30 | Phase B Current 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0961H | 02402 | 188 | 36 | 30 | Phase B Current 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0962H | 02403 | 188 | 37 | 30 | Phase B Current 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0963H | 02404 | 188 | 38 | 30 | Phase B Current 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0964H | 02405 | 188 | 39 | 30 | Phase B Current 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0965H | 02406 | 188 | 40 | 30 | Phase B Current 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0966H | 02407 | 188 | 41 | 30 | Phase B Current 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0967H | 02408 | 188 | 42 | 30 | Phase B Current 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0968H | 02409 | 188 | 43 | 30 | Phase B Current 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0969H | 02410 | 188 | 44 | 30 | Phase B Current 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096AH | 02411 | 188 | 45 | 30 | Phase B Current 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096BH | 02412 | 188 | 46 | 30 | Phase B Current 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096CH | 02413 | 188 | 47 | 30 | Phase B Current 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096DH | 02414 | 188 | 48 | 30 | Phase B Current 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096EH | 02415 | 188 | 49 | 30 | Phase B Current 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 096FH | 02416 | 188 | 50 | 30 | Phase B Current 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0970H | 02417 | 188 | 51 | 30 | Phase B Current 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0971H | 02418 | 188 | 52 | 30 | Phase B Current 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0972H | 02419 | 188 | 53 | 30 | Phase B Current 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0973H | 02420 | 188 | 54 | 30 | Phase B Current 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0974H | 02421 | 188 | 55 | 30 | Phase B Current 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0975H | 02422 | 188 | 56 | 30 | Phase B Current 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0976H | 02423 | 188 | 57 | 30 | Phase B Current 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0977H | 02424 | 188 | 58 | 30 | Phase B Current 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0978H | 02425 | 188 | 59 | 30 | Phase B Current 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0979H | 02426 | 188 | 60 | 30 | Phase B Current 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097AH | 02427 | 188 | 61 | 30 | Phase B Current 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097BH | 02428 | 188 | 62 | 30 | Phase B Current 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097CH | 02429 | 188 | 63 | 30 | Phase B Current 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097DH | 02430 | 189 | 0 | 30 | Phase C Current 0th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097EH | 02431 | 189 | 1 | 30 | Phase C Current 1st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 097FH | 02432 | 189 | 2 | 30 | Phase C Current 2nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0980H | 02433 | 189 | 3 | 30 | Phase C Current 3rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0981H | 02434 | 189 | 4 | 30 | Phase C Current 4th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0982H | 02435 | 189 | 5 | 30 | Phase C Current 5th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0983H | 02436 | 189 | 6 | 30 | Phase C Current 6th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0984H | 02437 | 189 | 7 | 30 | Phase C Current 7th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0985H | 02438 | 190 | 0 | 30 | Phase C Current 8th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0986H | 02439 | 190 | 1 | 30 | Phase C Current 9th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0987H | 02440 | 190 | 2 | 30 | Phase C Current 10th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0988H | 02441 | 190 | 3 | 30 | Phase C Current 11th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0989H | 02442 | 190 | 4 | 30 | Phase C Current 12th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098AH | 02443 | 190 | 5 | 30 | Phase C Current 13th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098BH | 02444 | 190 | 6 | 30 | Phase C Current 14th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098CH | 02445 | 190 | 7 | 30 | Phase C Current 15th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098DH | 02446 | 191 | 0 | 30 | Phase C Current 16th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098EH | 02447 | 191 | 1 | 30 | Phase C Current 17th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 098FH | 02448 | 191 | 2 | 30 | Phase C Current 18th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0990H | 02449 | 191 | 3 | 30 | Phase C Current 19th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0991H | 02450 | 191 | 4 | 30 | Phase C Current 20th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0992H | 02451 | 191 | 5 | 30 | Phase C Current 21st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0993H | 02452 | 191 | 6 | 30 | Phase C Current 22nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0994H | 02453 | 191 | 7 | 30 | Phase C Current 23rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0995H | 02454 | 191 | 8 | 30 | Phase C Current 24th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0996H | 02455 | 191 | 9 | 30 | Phase C Current 25th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0997H | 02456 | 191 | 10 | 30 | Phase C Current 26th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0998H | 02457 | 191 | 11 | 30 | Phase C Current 27th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0999H | 02458 | 191 | 12 | 30 | Phase C Current 28th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099AH | 02459 | 191 | 13 | 30 | Phase C Current 29th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099BH | 02460 | 191 | 14 | 30 | Phase C Current 30th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099CH | 02461 | 191 | 15 | 30 | Phase C Current 31st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099DH | 02462 | 192 | 0 | 30 | Phase C Current 32nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099EH | 02463 | 192 | 1 | 30 | Phase C Current 33rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 099FH | 02464 | 192 | 2 | 30 | Phase C Current 34th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A0H | 02465 | 192 | 3 | 30 | Phase C Current 35th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A1H | 02466 | 192 | 4 | 30 | Phase C Current 36th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A2H | 02467 | 192 | 5 | 30 | Phase C Current 37th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 09A3H | 02468 | 192 | 6 | 30 | Phase C Current 38th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A4H | 02469 | 192 | 7 | 30 | Phase C Current 39th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A5H | 02470 | 192 | 8 | 30 | Phase C Current 40th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A6H | 02471 | 192 | 9 | 30 | Phase C Current 41st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A7H | 02472 | 192 | 10 | 30 | Phase C Current 42nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A8H | 02473 | 192 | 11 | 30 | Phase C Current43rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09A9H | 02474 | 192 | 12 | 30 | Phase C Current 44th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09AAH | 02475 | 192 | 13 | 30 | Phase C Current 45th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09ABH | 02476 | 192 | 14 | 30 | Phase C Current 46th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09ACH | 02477 | 192 | 15 | 30 | Phase C Current 47th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09ADH | 02478 | 192 | 16 | 30 | Phase C Current 48th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09AEH | 02479 | 192 | 17 | 30 | Phase C Current 49th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09AFH | 02480 | 192 | 18 | 30 | Phase C Current 50th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B0H | 02481 | 192 | 19 | 30 | Phase C Current 51st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B1H | 02482 | 192 | 20 | 30 | Phase C Current 52nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B2H | 02483 | 192 | 21 | 30 | Phase C Current 53rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B3H | 02484 | 192 | 22 | 30 | Phase C Current 54th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B4H | 02485 | 192 | 23 | 30 | Phase C Current 55th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B5H | 02486 | 192 | 24 | 30 | Phase C Current 56th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B6H | 02487 | 192 | 25 | 30 | Phase C Current 57th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B7H | 02488 | 192 | 26 | 30 | Phase C Current 58th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09B8H | 02489 | 192 | 27 | 30 | Phase C Current 59th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 09B9H | 02490 | 192 | 28 | 30 | Phase C Current 60th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BAH | 02491 | 192 | 29 | 30 | Phase C Current 61st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BBH | 02492 | 192 | 30 | 30 | Phase C Current 62nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BCH | 02493 | 192 | 31 | 30 | Phase C Current 63rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BDH | 02494 | 193 | 0 | 30 | Phase C Current 64th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BEH | 02495 | 193 | 1 | 30 | Phase C Current 65th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09BFH | 02496 | 193 | 2 | 30 | Phase C Current 66th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C0H | 02497 | 193 | 3 | 30 | Phase C Current 67th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C1H | 02498 | 193 | 4 | 30 | Phase C Current 68th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C2H | 02499 | 193 | 5 | 30 | Phase C Current 69th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C3H | 02500 | 193 | 6 | 30 | Phase C Current 70th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C4H | 02501 | 193 | 7 | 30 | Phase C Current 71st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C5H | 02502 | 193 | 8 | 30 | Phase C Current 72nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C6H | 02503 | 193 | 9 | 30 | Phase C Current 73rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C7H | 02504 | 193 | 10 | 30 | Phase C Current 74th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C8H | 02505 | 193 | 11 | 30 | Phase C Current 75th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09C9H | 02506 | 193 | 12 | 30 | Phase C Current 76th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CAH | 02507 | 193 | 13 | 30 | Phase C Current 77th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CBH | 02508 | 193 | 14 | 30 | Phase C Current 78th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CCH | 02509 | 193 | 15 | 30 | Phase C Current 79th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CDH | 02510 | 193 | 16 | 30 | Phase C Current 80th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CEH | 02511 | 193 | 17 | 30 | Phase C Current 81st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09CFH | 02512 | 193 | 18 | 30 | Phase C Current 82nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D0H | 02513 | 193 | 19 | 30 | Phase C Current 83rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D1H | 02514 | 193 | 20 | 30 | Phase C Current 84th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D2H | 02515 | 193 | 21 | 30 | Phase C Current 85th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D3H | 02516 | 193 | 22 | 30 | Phase C Current 86th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D4H | 02517 | 193 | 23 | 30 | Phase C Current 87th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D5H | 02518 | 193 | 24 | 30 | Phase C Current 88th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D6H | 02519 | 193 | 25 | 30 | Phase C Current 89th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D7H | 02520 | 193 | 26 | 30 | Phase C Current 90th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09D8H | 02521 | 193 | 27 | 30 | Phase C Current 91st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 09D9H | 02522 | 193 | 28 | 30 | Phase C Current 92nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DAH | 02523 | 193 | 29 | 30 | Phase C Current 93rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DBH | 02524 | 193 | 30 | 30 | Phase C Current 94th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DCH | 02525 | 193 | 31 | 30 | Phase C Current 95th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DDH | 02526 | 193 | 32 | 30 | Phase C Current 96th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DEH | 02527 | 193 | 33 | 30 | Phase C Current 97th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09DFH | 02528 | 193 | 34 | 30 | Phase C Current 98th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E0H | 02529 | 193 | 35 | 30 | Phase C Current 99th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E1H | 02530 | 193 | 36 | 30 | Phase C Current 100th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E2H | 02531 | 193 | 37 | 30 | Phase C Current 101st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E3H | 02532 | 193 | 38 | 30 | Phase C Current 102nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E4H | 02533 | 193 | 39 | 30 | Phase C Current 103rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E5H | 02534 | 193 | 40 | 30 | Phase C Current 104th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E6H | 02535 | 193 | 41 | 30 | Phase C Current 105th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E7H | 02536 | 193 | 42 | 30 | Phase C Current 106th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E8H | 02537 | 193 | 43 | 30 | Phase C Current 107th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09E9H | 02538 | 193 | 44 | 30 | Phase C Current 108th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09EAH | 02539 | 193 | 45 | 30 | Phase C Current 109th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09EBH | 02540 | 193 | 46 | 30 | Phase C Current 110th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09ECH | 02541 | 193 | 47 | 30 | Phase C Current 111th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09EDH | 02542 | 193 | 48 | 30 | Phase C Current 112th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 09EEH | 02543 | 193 | 49 | 30 | Phase C Current 113th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09EFH | 02544 | 193 | 50 | 30 | Phase C Current 114th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F0H | 02545 | 193 | 51 | 30 | Phase C Current 115th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F1H | 02546 | 193 | 52 | 30 | Phase C Current 116th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F2H | 02547 | 193 | 53 | 30 | Phase C Current 117th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F3H | 02548 | 193 | 54 | 30 | Phase C Current 118th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F4H | 02549 | 193 | 55 | 30 | Phase C Current 119th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F5H | 02550 | 193 | 56 | 30 | Phase C Current 120th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F6H | 02551 | 193 | 57 | 30 | Phase C Current 121st Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F7H | 02552 | 193 | 58 | 30 | Phase C Current 122nd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F8H | 02553 | 193 | 59 | 30 | Phase C Current 123rd Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09F9H | 02554 | 193 | 60 | 30 | Phase C Current 124th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09FAH | 02555 | 193 | 61 | 30 | Phase C Current 125th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09FBH | 02556 | 193 | 62 | 30 | Phase C Current 126th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 09FCH | 02557 | 193 | 63 | 30 | Phase C Current 127th Harmonic Phase | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| | THD/K-Factor Block | | | | | | | | | |
| 09FDH | 02558 | 194 | 0 | 30 | Phase A-N / Phase A-B Voltage THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 09FEH | 02559 | 195 | 0 | 30 | Phase B-N / Phase B-C Voltage THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 09FFH | 02560 | 196 | 0 | 30 | Phase C-N / Phase C-A Voltage THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0A00H | 02561 | 197 | 0 | 30 | Phase A Current THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0A01H | 02562 | 198 | 0 | 30 | Phase B Current THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0A02H | 02563 | 199 | 0 | 30 | Phase C Current THD | +327.67% / -327.68% | 0.01% | F10 | R | |
| 0A03H | 02564 | 200 | 0 | 30 | Phase A Current K-Factor | 327.67 / -327.68 | 0.01 | F67 | R | |
| 0A04H | 02565 | 201 | 0 | 30 | Phase B Current K-Factor | 327.67 / -327.68 | 0.01 | F67 | R | |
| 0A05H | 02566 | 202 | 0 | 30 | Phase C Current K-Factor | 327.67 / -327.68 | 0.01 | F67 | R | |
| | Harmonic Time Stamp Block | | | | | | | | | |
| 0A06H-0A09H | 02567-02570 | 203 | 0 | 50 | Phase A-N / Phase A-B Voltage Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A0AH-0A0DH | 02571-02574 | 204 | 0 | 50 | Phase B-N / Phase B-C Voltage Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A0EH-0A11H | 02575-02578 | 205 | 0 | 50 | Phase C-N / Phase C-A Voltage Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A12H-0A15H | 02579-02582 | 206 | 0 | 50 | Phase A Current Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A16H-0A19H | 02583-02586 | 207 | 0 | 50 | Phase B Current Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A1AH-0A1DH | 02587-02590 | 208 | 0 | 50 | Phase C Current Harmonic Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Phase Angle Block | | | | | | | | | |
| 0A1EH-0A21H | 02591-02594 | 209 | 0 | 50 | Phase Angle Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A22H | 02595 | 210 | 0 | 30 | Phase Angle Phase A-N Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A23H | 02596 | 210 | 1 | 30 | Phase Angle Phase B-N Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A24H | 02597 | 210 | 2 | 30 | Phase Angle Phase C-N Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A25H | 02598 | 211 | 0 | 30 | Phase Angle Phase A Current | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A26H | 02599 | 211 | 1 | 30 | Phase Angle Phase B Current | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A27H | 02600 | 211 | 2 | 30 | Phase Angle Phase C Current | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A28H | 02601 | 212 | 0 | 30 | Phase Angle Phase A-B Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A29H | 02602 | 212 | 1 | 30 | Phase Angle Phase B-C Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A2AH | 02603 | 212 | 2 | 30 | Phase Angle Phase C-A Voltage | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 0A2BH | 02604 | 213 | 0 | 30 | Voltage Phase Sequence | | | F13 | R | |
| | Block Window Average Block | | | | | | | | | |
| 0A2CH-0A2FH | 02605-02608 | 214 | 0 | 50 | Block Window Average Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A30H | 02609 | 215 | 0 | 30 | Block Window Average Status | | | F14 | R | |
| 0A31H-0A32H | 02610-02611 | 216 | 0 | 30 | Block Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A33H-0A34H | 02612-02613 | 216 | 1 | 30 | Block Window Average VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A35H-0A36H | 02614-02615 | 216 | 2 | 30 | Block Window Average Watt | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A37H-0A38H | 02616-02617 | 217 | 0 | 30 | Maximum Block Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A39H-0A3AH | 02618-02619 | 217 | 1 | 30 | Maximum Block Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A32BH-0A3CH | 02620-02621 | 217 | 2 | 30 | Maximum Block Window Average  Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A3DH-0A3EH | 02622-02623 | 217 | 3 | 30 | Maximum Block Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0A3FH-0A40H | 02624-02625 | 217 | 4 | 30 | Maximum Block Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A41H-0A42H | 02626-02627 | 218 | 0 | 30 | Minimum Block Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A43H-0A44H | 02628-02629 | 218 | 1 | 30 | Minimum Block Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A45H-0A46H | 02630-02631 | 218 | 2 | 30 | Minimum Block Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A47H-0A48H | 02632-02633 | 218 | 3 | 30 | Minimum Block Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A49H-0A4AH | 02634-02635 | 218 | 4 | 30 | Minimum Block Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A4BH-0A4CH | 02636-02637 | 219 | 0 | 30 | Coincident Block Window Average VAR for Maximum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A4DH-0A4EH | 02638-02639 | 219 | 1 | 30 | Coincident Block Window Average VAR for Maximum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A4FH-0A50H | 02640-02641 | 219 | 2 | 30 | Coincident Block Window Average VAR for Minimum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A51H-0A52H | 02642-02643 | 219 | 3 | 30 | Coincident Block Window Average VAR for Minimum Negative Watt | =G1990+32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A53H-0A56H | 02644-02647 | 220 | 0 | 50 | Maximum Block Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A57H-0A5AH | 02648-02651 | 220 | 1 | 50 | Maximum Block Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A5BH-0A5EH | 02652-02655 | 220 | 2 | 50 | Maximum Block Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A5FH-0A62H | 02656-02659 | 220 | 3 | 50 | Maximum Block Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A63H-0A66H | 02660-02663 | 220 | 4 | 50 | Maximum Block Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A67H-0A6AH | 02664-02667 | 221 | 0 | 50 | Minimum Block Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A6BH-0A6EH | 02668-02671 | 221 | 1 | 50 | Minimum Block Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A6FH-0A72H | 02672-02675 | 221 | 2 | 50 | Minimum Block Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A73H-0A76H | 02676-02679 | 221 | 3 | 50 | Minimum Block Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A77H-0A7AH | 02680-02683 | 221 | 4 | 50 | Minimum Block Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| | Rolling Window Block | | | | | | | | | |
| 0A7BH-0A7EH | 02684-02687 | 222 | 0 | 50 | Rolling Window Average Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0A7FH | 02688 | 223 | 0 | 30 | Rolling Window Average Status | | | F14 | R | |
| 0A80H-0A81H | 02689-02690 | 224 | 0 | 30 | Reserved | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A82H-0A83H | 02691-02692 | 224 | 1 | 30 | Reserved | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A84H-0A85H | 02693-02694 | 224 | 2 | 30 | Reserved | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A86H-0A87H | 02695-02696 | 225 | 0 | 30 | Rolling Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A88H-0A89H | 02697-02698 | 225 | 1 | 30 | Rolling Window Average VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0A8AH-0A8BH | 02699-02700 | 225 | 2 | 30 | Rolling Window Average W | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A8CH-0A8DH | 02701-02702 | 226 | 0 | 30 | Maximum Rolling Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A8EH-0A8FH | 02703-02704 | 226 | 1 | 30 | Maximum Rolling Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A910H-0A91H | 02705-02706 | 226 | 2 | 30 | Maximum Rolling Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A92H-0A93H | 02707-02708 | 226 | 3 | 30 | Maximum Rolling Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A94H-0A95H | 02709-02710 | 226 | 4 | 30 | Maximum Rolling Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A96H-0A97H | 02711-02712 | 227 | 0 | 30 | Minimum Rolling Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0A98H-0A99H | 02713-02714 | 227 | 1 | 30 | Minimum Rolling Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A9AH-0A9BH | 02715-02716 | 227 | 2 | 30 | Minimum Rolling Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0A9CH-0A9DH | 02717-02718 | 227 | 3 | 30 | Minimum Rolling Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 0A9EH-0A9FH | 02719-02720 | 227 | 4 | 30 | Minimum Rolling Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0AA0H-0AA1H | 02721-02722 | 228 | 0 | 30 | Coincident Rolling Window Average VAR for Maximum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0AA2H-0AA3H | 02723-02724 | 228 | 1 | 30 | Coincident Rolling Window Average VAR for Maximum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0AA4H-0AA5H | 02725-02726 | 228 | 2 | 30 | Coincident Rolling Window Average VAR for Minimum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0AA6H-0AA7H | 02727-02728 | 228 | 3 | 30 | Coincident Rolling Window Average VAR for Minimum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0AA8H-0AABH | 02729-02732 | 229 | 0 | 50 | Maximum Rolling Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AACH-0AAFH | 02733-02736 | 229 | 1 | 50 | Maximum Rolling Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AB0H-0AB3H | 02737-02740 | 229 | 2 | 50 | Maximum Rolling Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AB4H-0AB7H | 02741-02744 | 229 | 3 | 50 | Maximum Rolling Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AB8H-0ABBH | 02745-02748 | 229 | 4 | 50 | Maximum Rolling Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0ABCH-0ABFH | 02749-02752 | 230 | 0 | 50 | Minimum Rolling Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0AC0H-0AC3H | 02753-02756 | 230 | 1 | 50 | Minimum Rolling Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AC4H-0AC7H | 02757-02760 | 230 | 2 | 50 | Minimum Rolling Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0AC8H-0ACBH | 02761-02764 | 230 | 3 | 50 | Minimum Rolling Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 0ACCH-0ACFH | 02765-02768 | 230 | 4 | 50 | Minimum Rolling Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| | Limit Block | | | | | | | | | |
| 0AD0H | 02769 | 231 | 0-15 | 1 | Limit States, Value 1 Comparisons, 1-16 | | | F15 | R | |
| 0AD1H | 02770 | 231 | 16-31 | 1 | Limit States, Value 1 Comparisons, 17-32 | | | F15 | R | |
| 0AD2H | 02771 | 232 | 0-15 | 1 | Limit States, Value 2 Comparisons, 1-16 | | | F15 | R | |
| 0AD3H | 02772 | 232 | 16-31 | 1 | Limit States, Value 2 Comparisons, 17-32 | | | F15 | R | |
| 0AD4H | 02773 | 233 | 0-7 | 1 | Low Speed (Internal) Inputs | | | F16 | R | |
| | Digital Input Block | | | | | | | | | |
| 0AD5H | 02774 | 234 | 0-7 | 1 | Digital Input States, Module 1 | | | F17 | R | |
| 0AD6H-0AD7H | 02775-02776 | 235 | 0 | 20 | Digital Input Accumulation 1, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0AD8H-0AD9H | 02777-02778 | 235 | 1 | 20 | Digital Input Accumulation 2, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0ADBH-0ADCH | 02779-02780 | 235 | 2 | 20 | Digital Input Accumulation 3, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0ADDH-0ADEH | 02781-02782 | 235 | 3 | 20 | Digital Input Accumulation 4, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0ADEH-0ADFH | 02783-02784 | 235 | 4 | 20 | Digital Input Accumulation 5, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0AE0H-0AE1H | 02785-02786 | 235 | 5 | 20 | Digital Input Accumulation 6, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0AE2H-0AE3H | 02787-02788 | 235 | 6 | 20 | Digital Input Accumulation 7, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0AE4H-0AE5H | 02789-02790 | 235 | 7 | 20 | Digital Input Accumulation 8, Module 1 | 4,294,967,295 / 0 | | F18 | R | |
| 0AE6H | 02791 | 236 | 0-7 | 1 | Digital Input States, Module 2 | | | F17 | R | |
| 0AE7H-0AE8H | 02792-02793 | 237 | 0 | 20 | Digital Input Accumulation 1, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AE9H-0AEAH | 02794-02795 | 237 | 1 | 20 | Digital Input Accumulation 2, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AEBH-0AECH | 02796-02797 | 237 | 2 | 20 | Digital Input Accumulation 3, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AEDH-0AEEH | 02798-02799 | 237 | 3 | 20 | Digital Input Accumulation 4, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AEFH-0AF0H | 02800-02801 | 237 | 4 | 20 | Digital Input Accumulation 5, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AF1H-0AF2H | 02802-02803 | 237 | 5 | 20 | Digital Input Accumulation 6, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AF3H-0AF4H | 02804-02805 | 237 | 6 | 20 | Digital Input Accumulation 7, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AF5H-0AF6H | 02806-02807 | 237 | 7 | 20 | Digital Input Accumulation 8, Module 2 | 4,294,967,295 / 0 | | F18 | R | |
| 0AF7H | 02808 | 238 | 0-7 | 1 | Digital Input States, Module 3 | | | F17 | R | |
| 0AF8H-0AF9H | 02809-02810 | 239 | 0 | 20 | Digital Input Accumulation 1, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0AFAH-0AFBH | 02811-02812 | 239 | 1 | 20 | Digital Input Accumulation 2, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0AFCH-0AFDH | 02813-02814 | 239 | 2 | 20 | Digital Input Accumulation 3, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0AFEH-0AFFH | 02815-02816 | 239 | 3 | 20 | Digital Input Accumulation 4, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0B00H-0B01H | 02817-02818 | 239 | 4 | 20 | Digital Input Accumulation 5, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0B02H-0B03H | 02819-02820 | 239 | 5 | 20 | Digital Input Accumulation 6, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0B04H-0B05H | 02821-02822 | 239 | 6 | 20 | Digital Input Accumulation 7, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0B06H-0B07H | 02823-02824 | 239 | 7 | 20 | Digital Input Accumulation 8, Module 3 | 4,294,967,295 / 0 | | F18 | R | |
| 0B08H | 02825 | 240 | 0-7 | 1 | Digital Input States, Module 4 | | | F17 | R | |
| 0B09H-0B0AH | 02826-02827 | 241 | 0 | 20 | Digital Input Accumulation 1, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B0BH-0B0CH | 02828-02829 | 241 | 1 | 20 | Digital Input Accumulation 2, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B0DH-0B0EH | 02830-02831 | 241 | 2 | 20 | Digital Input Accumulation 3, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B0FH-0B10H | 02832-02833 | 241 | 3 | 20 | Digital Input Accumulation 4, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B11H-0B12H | 02834-02835 | 241 | 4 | 20 | Digital Input Accumulation 5, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B13H-0B14H | 02836-02837 | 241 | 5 | 20 | Digital Input Accumulation 6, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B15H-0B16H | 02838-02839 | 241 | 6 | 20 | Digital Input Accumulation 7, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B17H-0B18H | 02840-02841 | 241 | 7 | 20 | Digital Input Accumulation 8, Module 4 | 4,294,967,295 / 0 | | F18 | R | |
| 0B19H-0B44H | 02842-02885 | | | | reserved | | | | | |
| 0B45H-0B48H | 02886-02889 | 244 | 0 | 20 | Watthour (Quadrant 1 + 4) | +9,999,999,999,999,999 Wh / 0 Wh | 1 WH | F20 | R | |
| 0B49H-0B58H | 02890-02905 | | | | reserved | | | | | |
| 0B59H-0B5CH | 02906-02909 | 244 | 5 | 20 | Watthour (Quadrant 2 + 3) | 0 Wh / -9,999,999,999,999,999 Wh | 1 WH | F20 | R | |
| 0B5DH-0BFFH | 02910-03072 | | | | reserved | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 0C00H-0C01H | 03073-03074 | | | | One cycle Phase A VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0C02H-0C03H | 03075-03076 | | | | One cycle Phase B VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0C04H-0C05H | 03077-03078 | | | | One cycle Phase C VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0C06H-0C07H | 03079-03080 | | | | One cycle Three Phase VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 0C08H-0C09H | 03081-03082 | | | | One cycle Phase A VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C0AH-0C0BH | 03083-03084 | | | | One cycle Phase B VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C0CH-0C0DH | 03085-03086 | | | | One cycle Phase C VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C0EH-0C0FH | 03087-03088 | | | | One cycle Three Phase VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C10H-0C11H | 03089-03090 | | | | One cycle Phase A Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0C12H-0C13H | 03091-03092 | | | | One cycled Phase B Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0C14H-0C15H | 03093-03094 | | | | One cycle Phase C Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0C16H-0C17H | 03095-03096 | | | | One cycle Three Phase Watts | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 0C18h-0C19H | 03097-03098 | | | | One cycle Frequency | +32767 Hz / 0 Hz | 1/ 65536 Hz | F7 | R | |
| 0C1AH | 03099 | | | | One cycle Phase A Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C1BH | 03100 | | | | One cycle Phase B Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C1CH | 03101 | | | | One cycle Phase C Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C1DH | 03102 | | | | One cycle Three Phase Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C1EH-0C1FH | 03103-03104 | | | | One cycle Phase A Fundamental VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C20H-0C21H | 03105-03106 | | | | One cycle Phase B Fundamental VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C22H-0C23H | 03107-03108 | | | | One cycle Phase C Fundamental VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C24H-0C25H | 03109-03110 | | | | One cycle Three Phase Fundamental VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 0C26H | 03111 | | | | One cycle Phase A Fundamental Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C27H | 03112 | | | | One cycle Phase B Fundamental Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C28H | 03113 | | | | One cycle Phase C Fundamental Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 0C29H | 03114 | | | | One cycle Three Phase Fundamental Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| | Reserved Block | | | | | | | | | |
| 0C2AH-166FH | 03115-05744 | | | | reserved | | | | R | |
| | Internal Input Pulse Accumulation Block | | | | | | | | | |
| 1670H-1673H | 05745-05748 | 399 | 0 | 50 | Internal Input Pulse Accumulation Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1674H-1677H | 05749-05752 | 400 | 0 | 20 | Pulse Accumulation Internal Input 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1678H-167BH | 05753-05756 | 400 | 1 | 20 | Pulse Accumulation Internal Input 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 167CH-167FH | 05757-05760 | 400 | 2 | 20 | Pulse Accumulation Internal Input 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1680H-1683H | 05761-05764 | 400 | 3 | 20 | Pulse Accumulation Internal Input 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1684H-1687H | 05765-05768 | 400 | 4 | 20 | Pulse Accumulation Internal Input 5 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1688H-168BH | 05769-05772 | 400 | 5 | 20 | Pulse Accumulation Internal Input 6 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 168CH-168FH | 05773-05776 | 400 | 6 | 20 | Pulse Accumulation Internal Input 7 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1690H-1693H | 05777-05780 | 400 | 7 | 20 | Pulse Accumulation Internal Input 8 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1694H-1697H | 05781-05784 | 401 | 0 | 20 | Pulse Accumulation Aggregation 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1698H-169BH | 05785-05788 | 401 | 1 | 20 | Pulse Accumulation Aggregation 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 169CH-169FH | 05789-05792 | 401 | 2 | 20 | Pulse Accumulation Aggregation 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16A0H-16A3H | 05793-05796 | 401 | 3 | 20 | Pulse Accumulation Aggregation 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| | Pulse Accumulation Block Window Average / Maximum Block | | | | | | | | | |
| 16A4H-16A7H | 05797-05800 | 402 | 0 | 50 | Pulse Accumulation Block Window Average / Maximum Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 16A8H | 05801 | 403 | 0 | 30 | Pulse Accumulation Block Window Average / Maximum Block Status | | | F14 | R | |
| 16A9H-16ACH | 05802-05805 | 404 | 0 | 20 | Block Window Average Internal Input 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16ADH-16B0H | 05806-05809 | 404 | 1 | 20 | Block Window Average Internal Input 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16B1H-16B4H | 05810-05813 | 404 | 2 | 20 | Block Window Average Internal Input 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16B5H-16B8H | 05814-05817 | 404 | 3 | 20 | Block Window Average Internal Input 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16B9H-16BCH | 05818-05821 | 404 | 4 | 20 | Block Window Average Internal Input 5 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16BDH-16C0H | 05822-05825 | 404 | 5 | 20 | Block Window Average Internal Input 6 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16C1H-16C4H | 05826-05829 | 404 | 6 | 20 | Block Window Average Internal Input 7 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16C5H-16C8H | 05830-05833 | 404 | 7 | 20 | Block Window Average Internal Input 8 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16C9H-16CCH | 05834-05837 | 405 | 0 | 20 | Block Window Average Aggregation 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16CDH-16D0H | 05838-05841 | 405 | 1 | 20 | Block Window Average Aggregation 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16D1H-16D4H | 05842-05845 | 405 | 2 | 20 | Block Window Average Aggregation 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16D5H-16D8H | 05846-05849 | 405 | 3 | 20 | Block Window Average Aggregation 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16D9H-16DCH | 05850-05853 | 406 | 0 | 20 | Maximum Block Window Average Internal Input 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16DDH-16E0H | 05854-05857 | 406 | 1 | 20 | Maximum Block Window Average Internal Input 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16E1H-16E4H | 05858-05861 | 406 | 2 | 20 | Maximum Block Window Average Internal Input 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16E5H-16E8H | 05862-05865 | 406 | 3 | 20 | Maximum Block Window Average Internal Input 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16E9H-16ECH | 05866-05869 | 406 | 4 | 20 | Maximum Block Window Average Internal Input 5 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 16EDH-16F0H | 05870-05873 | 406 | 5 | 20 | Maximum Block Window Average Internal Input 6 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16F1H-16F4H | 05874-05877 | 406 | 6 | 20 | Maximum Block Window Average Internal Input 7 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16F5H-16F8H | 05878-05881 | 406 | 7 | 20 | Maximum Block Window Average Internal Input 8 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16F9H-16FCH | 05882-05885 | 407 | 0 | 20 | Maximum Block Window Average Aggregation 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 16FDH-1700H | 05886-05889 | 407 | 1 | 20 | Maximum Block Window Average Aggregation 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1701H-1704H | 05890-05893 | 407 | 2 | 20 | Maximum Block Window Average Aggregation 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1705H-1708H | 05894-05897 | 407 | 3 | 20 | Maximum Block Window Average Aggregation 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1709H-170CH | 05898-05901 | 408 | 0 | 50 | Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 170DH-1710H | 05902-05905 | 408 | 1 | 50 | Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1711H-1714H | 05906-05909 | 408 | 2 | 50 | Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1715H-1718H | 05910-05913 | 408 | 3 | 50 | Maximum Block Window Average Internal Input 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1719H-171CH | 05914-05917 | 408 | 4 | 50 | Maximum Block Window Average Internal Input 5 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 171DH-1720H | 05918-05921 | 408 | 5 | 50 | Maximum Block Window Average Internal Input 6 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1721H-1724H | 05922-05925 | 408 | 6 | 50 | Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1725H-1728H | 05926-05929 | 408 | 7 | 50 | Maximum Block Window Average Internal Input 8 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1729H-172CH | 05930-05933 | 409 | 0 | 50 | Maximum Block Window Average Aggregation 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 172DH-1730H | 05934-05937 | 409 | 1 | 50 | Maximum Block Window Average Aggregation 2 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1731H-1734H | 05938-05941 | 409 | 2 | 50 | Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1735H-1738H | 05942-05945 | 409 | 3 | 50 | Maximum Block Window Average Aggregation 4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| | Temperature | | | | | | | | | |
| 1739H | 05946 | 410 | 0 | 30 | Nexus Internal Temperature | +3276.7 C / -3276.8 C | C | F33 | | |
| | Analog Input Block | | | | | | | | | |
| 173AH | 05947 | 411 | 0 | 30 | Analog Input 1, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 173BH | 05948 | 411 | 1 | 30 | Analog Input 2, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 173CH | 05949 | 411 | 2 | 30 | Analog Input 3, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 173DH | 05950 | 411 | 3 | 30 | Analog Input 4, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 173EH | 05951 | 411 | 4 | 30 | Analog Input 5, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 173FH | 05952 | 411 | 5 | 30 | Analog Input 6, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1740H | 05953 | 411 | 6 | 30 | Analog Input 7, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1741H | 05954 | 411 | 7 | 30 | Analog Input 8, Module 1 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1742H | 05955 | 412 | 0 | 30 | Analog Input 1, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1743H | 05956 | 412 | 1 | 30 | Analog Input 2, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1744H | 05957 | 412 | 2 | 30 | Analog Input 3, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1745H | 05958 | 412 | 3 | 30 | Analog Input 4, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1746H | 05959 | 412 | 4 | 30 | Analog Input 5, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1747H | 05960 | 412 | 5 | 30 | Analog Input 6, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1748H | 05961 | 412 | 6 | 30 | Analog Input 7, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1749H | 05962 | 412 | 7 | 30 | Analog Input 8, Module 2 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174AH | 05963 | 413 | 0 | 30 | Analog Input 1, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174BH | 05964 | 413 | 1 | 30 | Analog Input 2, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174CH | 05965 | 413 | 2 | 30 | Analog Input 3, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174DH | 05966 | 413 | 3 | 30 | Analog Input 4, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174EH | 05967 | 413 | 4 | 30 | Analog Input 5, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 174FH | 05968 | 413 | 5 | 30 | Analog Input 6, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1750H | 05969 | 413 | 6 | 30 | Analog Input 7, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1751H | 05970 | 413 | 7 | 30 | Analog Input 8, Module 3 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1752H | 05971 | 414 | 0 | 30 | Analog Input 1, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1753H | 05972 | 414 | 1 | 30 | Analog Input 2, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1754H | 05973 | 414 | 2 | 30 | Analog Input 3, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1755H | 05974 | 414 | 3 | 30 | Analog Input 4, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1756H | 05975 | 414 | 4 | 30 | Analog Input 5, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1757H | 05976 | 414 | 5 | 30 | Analog Input 6, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1758H | 05977 | 414 | 6 | 30 | Analog Input 7, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| 1759H | 05978 | 414 | 7 | 30 | Analog Input 8, Module 4 | +327.67% / -327.68% | 0.01% | F10 | R | |
| | Limit Combination Block | | | | | | | | | |
| 175AH | 05979 | 415 | 0-15 | 1 | Limit States, Combinations, 1-16 | | | F34 | R | |
| 175BH | 05980 | 415 | 16-31 | 1 | Limit States, Combinations, 17-32 | | | F34 | R | |
| | Relay Logic Block | | | | | | | | | |
| 175CH-175FH | 05981-05984 | 416 | 0 | 50 | Relay Logic Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 1760H | 05985 | 417 | 0-15 | 1 | Relay Logic States, Input 1, Relays 1-16 | | | F34 | R | |
| 1761H | 05986 | 418 | 0-15 | 1 | Relay Logic States, Input 2, Relays 1-16 | | | F34 | R | |
| 1762H | 05987 | 419 | 0-15 | 1 | Relay Logic States, Input 3, Relays 1-16 | | | F34 | R | |
| 1763H | 05988 | 420 | 0-15 | 1 | Relay Logic States, Input 4, Relays 1-16 | | | F34 | R | |
| 1764H | 05989 | 421 | 0-15 | 1 | Relay Logic States, Input 5, Relays 1-16 | | | F34 | R | |
| 1765H | 05990 | 422 | 0-15 | 1 | Relay Logic States, Input 6, Relays 1-16 | | | F34 | R | |
| 1766H | 05991 | 423 | 0-15 | 1 | Relay Logic States, Input 7, Relays 1-16 | | | F34 | R | |
| 1767H | 05992 | 424 | 0-15 | 1 | Relay Logic States, Input 8, Relays 1-16 | | | F34 | R | |
| 1768H | 05993 | 425 | 0-15 | 1 | Relay Logic States, Gate A, Relays 1-16 | | | F34 | R | |
| 1769H | 05994 | 426 | 0-15 | 1 | Relay Logic States, Gate B, Relays 1-16 | | | F34 | R | |
| 176AH | 05995 | 427 | 0-15 | 1 | Relay Logic States, Gate C, Relays 1-16 | | | F34 | R | |
| 176BH | 05996 | 428 | 0-15 | 1 | Relay Logic States, Gate D, Relays 1-16 | | | F34 | R | |
| 176CH | 05997 | 429 | 0-15 | 1 | Relay Logic States, Gate E, Relays 1-16 | | | F34 | R | |
| 176DH | 05998 | 430 | 0-15 | 1 | Relay Logic States, Gate F, Relays 1-16 | | | F34 | R | |
| 176EH | 05999 | 431 | 0-15 | 1 | Relay Logic States, Gate G, Relays 1-16 | | | F34 | R | |
| 176FH | 06000 | 432 | 0-1 | 30 | Delay Timer, Relay 1 / Relay 2 | | | F35 | R | |
| 1770H | 06001 | 432 | 2-3 | 30 | Delay Timer, Relay 3 / Relay 4 | | | F35 | R | |
| 1771H | 06002 | 432 | 4-5 | 30 | Delay Timer, Relay 5 / Relay 6 | | | F35 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1772H | 06003 | 432 | 6-7 | 30 | Delay Timer, Relay 7 / Relay 8 | | | F35 | R | |
| 1773H | 06004 | 432 | 8-9 | 30 | Delay Timer, Relay 9 / Relay 10 | | | F35 | R | |
| 1774H | 06005 | 432 | 10-11 | 30 | Delay Timer, Relay 11 / Relay 12 | | | F35 | R | |
| 1775H | 06006 | 432 | 12-13 | 30 | Delay Timer, Relay 13 / Relay 14 | | | F35 | R | |
| 1776H | 06007 | 432 | 14-15 | 30 | Delay Timer, Relay 15 / Relay 16 | | | F35 | R | |
| 1777H | 06008 | 433 | 0-15 | 1 | Desired Relay States, Relays 1-16 | | | F36 | R | |
| 1778H | 06009 | 434 | 0-15 | 1 | Relays Pending Updates, Relays 1-16 | | | F37 | R | |
| 1779H | 06010 | 435 | 0-15 | 1 | Shadowed Relay States, Relays 1-16 | | | F38 | R | |
| 177AH | 06011 | 436 | 0-15 | 10 | Confirmed Polled Relay States, Relays 1-16 | | | F39 | R | |
| 177BH | 06012 | 437 | 0-15 | 1 | Valid Flags for Confirmed Relay States, Relays 1-16 | | | F40 | R | |
| 177CH | 06013 | 438 | 0-15 | 1 | Locked Relays, Relays 1-16 | | | F41 | R | |
| 177DH | 06014 | 439 | 0-15 | 1 | Locked Relay States, Relays 1-16 | | | F42 | R | |
| | Reset Time Block | | | | | | | | | |
| 177EH-1781H | 06015-06018 | 440 | 0 | 50 | Reset Time Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1782H-1785H | 06019-06022 | 440 | 1 | 50 | Reset Maximum Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 1786H-1789H | 06023-06026 | 440 | 2 | 50 | Reset Minimum Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 178AH-178DH | 06027-06030 | 440 | 3 | 50 | Reset Energy Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 178EH-1791H | 06031-06034 | 440 | 4 | 50 | Reserved | | | F3 | R | 1 |
| 1792H-1795H | 06035-06038 | 440 | 5 | 50 | Reset Pulse Accumulations/Aggregations Time Stamps | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| | Miscellaneous Flags | | | | | | | | | |
| 1796H | 06039 | 441 | 0-15 | 1 | Current Time Stamp Status:<br>MSB first, Bit[15-12] = Current Weekday, 0=Sunday, 6= Saturday<br>Bit[11] = Not defined<br>Bit[10] = Debugging 1 = Line Synch Frequency Valid)<br>Bit[09] = IRIG-B Year Valid<br>Bit[08] = Debugging, 1= IRIG-B Time Continue Forwarding)<br>Bit[07] = Active IRIG-B<br>Bit[06] = Active DST<br>Bit[05] = Active Line Synch<br>Bit[04] = Active Cold Load<br>Bit[03] = DST Spring Date, it means current date/time is before DST period starting moment of current calender year<br>Bit[02] = DST Fall Date, it means current date/time is after DST period ending moment of current calender year<br>Bit[01] = Active SNTP<br>Bit[00] = 1 = Battery low flag) | | | F51 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Test Mode | | | | | | | | | |
| 1797H-179AH | 06040-06043 | 442 | 0 | 50 | Test Mode Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | | |
| 179BH-179EH | 06044-06047 | 443 | 0 | 50 | Test Mode Start Time | 12/31/9999 23:59:59.99 | 10 msec | F3 | | |
| 179FH-17A2H | 06048-06051 | 443 | 1 | 50 | Test Mode Current Test Start Time | 12/31/9999 23:59:59.99 | 10 msec | F3 | | |
| 17A3H | 06052 | 444 | 0 | 30 | Test Mode Block Average Status / Rolling Average Status | | | F14 | | |
| 17A4H-17A7H | 06053-06056 | | | | Reserved | | | | | |
| 17A8H-17AFH | 06057-06060 | 446 | 0 | 20 | Test Mode Total VAh (Q1234) | 99999999999999.9999999/-99999999999999.9999999 VAh | 1/42949672 96 Wh sec | F117 | R | |
| 17B0H-17B7H | 06061-06064 | 446 | 1 | 20 | Test Mode Received VARh (Q34) | 99999999999999.9999999/-99999999999999.9999999 VARh | 1/42949672 96 Wh sec | F117 | R | |
| 17B8H-17BFH | 06065-06068 | 446 | 2 | 20 | Test Mode Delivered VARh (Q12) | 99999999999999.9999999/-99999999999999.9999999 VARh | 1/42949672 96 Wh sec | F117 | R | |
| 17C0H-17C7H | 06069-06072 | 446 | 3 | 20 | Test Mode Received Wh (Q14) | 99999999999999.9999999/-99999999999999.9999999 Wh | 1/42949672 96 Wh sec | F117 | R | |
| 17C8H-17CFH | 06073-06076 | 446 | 4 | 20 | Test Mode Delivered Wh (Q23) | 99999999999999.9999999/-99999999999999.9999999 Wh | 1/42949672 96 Wh sec | F117 | R | |
| | KYZ Output Accumulation Block | | | | | | | | | |
| 17D0H-17D3H | 06097-06100 | 447 | 0 | | KYZ Output Accumulation Block Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 17D4H-17D5H | 06101-06102 | 448 | 0 | 20 | KYZ Output Accumulation #1, Test Pulse 1 LED | 4,294,967,295 / 0 | | F18 | R | |
| 17D6H-17D7H | 06103-06104 | 448 | 1 | 20 | KYZ Output Accumulation #2, Test Pulse 2 LED | 4,294,967,295 / 0 | | F18 | R | |
| 17D8H-17D9H | 06105-06106 | 448 | 2 | 20 | KYZ Output Accumulation #3, Pulse Output 1 LED / Relay 1 | 4,294,967,295 / 0 | | F18 | R | |
| 17DAH-17DBH | 06107-06108 | 448 | 3 | 20 | KYZ Output Accumulation #4, Pulse Output 2 LED / Relay 2 | 4,294,967,295 / 0 | | F18 | R | |
| 17DCH-17DDH | 06109-06110 | 448 | 4 | 20 | Reserved | 4,294,967,295 / 0 | | F18 | R | |
| | Input Option Board Data Status Block | | | | | | | | | |
| 17DEH | 06111 | 449 | 0-3 | 1 | MSB first, Bit[15] = 1st DIO module status valid<br>Bit[14] = 2nd DIO module status valid<br>Bit[13] = 3rd DIO module status valid<br>Bit[12] = 4th DIO module status valid | | | F44 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 17DFH | 06112 | 450 | 0-15 | 1 | MSB first, Bit[15] = 1st AIN module AI chn 01 valid<br>Bit[14] = 1st AIN module AI chn 02 valid<br>Bit[13] = 1st AIN module AI chn 03 valid<br>Bit[12] = 1st AIN module AI chn 04 valid<br>Bit[11] = 1st AIN module AI chn 05 valid<br>Bit[10] = 1st AIN module AI chn 06 valid<br>Bit[09] = 1st AIN module AI chn 07 valid<br>Bit[08] = 1st AIN module AI chn 08 valid<br>Bit[07] = 2nd AIN module AI chn 09 valid<br>Bit[06] = 2nd AIN module AI chn 10 valid<br>Bit[05] = 2nd AIN module AI chn 11 valid<br>Bit[04] = 2nd AIN module AI chn 12 valid<br>Bit[03] = 2nd AIN module AI chn 13 valid<br>Bit[02] = 2nd AIN module AI chn 14 valid<br>Bit[01] = 2nd AIN module AI chn 15 valid<br>Bit[00] = 2nd AIN module AI chn 16 valid | | | F45 | R | |
| 17E0H | 06113 | 450 | 16-31 | 1 | MSB first, Bit[15] = 3rd AIN module AI chn 01 valid<br>Bit[14] = 3rd AIN module AI chn 02 valid<br>Bit[13] = 3rd AIN module AI chn 03 valid<br>Bit[12] = 3rd AIN module AI chn 04 valid<br>Bit[11] = 3rd AIN module AI chn 05 valid<br>Bit[10] = 3rd AIN module AI chn 06 valid<br>Bit[09] = 3rd AIN module AI chn 07 valid<br>Bit[08] = 3rd AIN module AI chn 08 valid<br>Bit[07] = 4th AIN module AI chn 09 valid<br>Bit[06] = 4th AIN module AI chn 10 valid<br>Bit[05] = 4th AIN module AI chn 11 valid<br>Bit[04] = 4th AIN module AI chn 12 valid<br>Bit[03] = 4th AIN module AI chn 13 valid<br>Bit[02] = 4th AIN module AI chn 14 valid<br>Bit[01] = 4th AIN module AI chn 15 valid<br>Bit[00] = 4th AIN module AI chn 16 valid | | | F45 | R | |
| | Flicker Status Block | | | | | | | | | |
| 17E1H-17E4H | 06114-06117 | 451 | 0 | 50 | Flicker Status Block Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 17EDH | 06126 | 453 | 0 | 30 | Flicker Status: value = 0000 means not available or stopped | | | | R | |
| | Instantaneous Flicker Block | | | | | | | | | |
| 17EEH-17F1H | 06127-06130 | 454 | 0 | 50 | Instantaneous Flicker Block Time | 12/31/9999 23:59:59.99 | | F3 | | |
| 17F2H-17F3H | 06131-06132 | 455 | 0 | 30 | Instantaneous Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 17F4H-17F5H | 06133-06134 | 455 | 1 | 30 | Instantaneous Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 17F6H-17F7H | 06135-06136 | 455 | 2 | 30 | Instantaneous Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Short Term Flicker Block | | | | | | | | | |
| 17F8H-17FBH | 06137-06140 | 456 | 0 | 50 | Short Term Flicker Block Time | 12/31/9999 23:59:59.99 | | F3 | | |
| 17FCH-17FDH | 06141-06142 | 457 | 0 | 30 | Short Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 17FEH-17FFH | 06143-06144 | 457 | 1 | 30 | Short Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1800H-1801H | 06145-06146 | 457 | 2 | 30 | Short Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1802H-1803H | 06147-06148 | 458 | 0 | 30 | Maximum Short Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1804H-1805H | 06149-06150 | 458 | 1 | 30 | Maximum Short Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1806H-1807H | 06151-06152 | 458 | 2 | 30 | Maximum Short Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1808H-1809H | 06153-06154 | 459 | 0 | 30 | Minimum Short Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 180AH-180BH | 06155-06156 | 459 | 1 | 30 | Minimum Short Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 180CH-180DH | 06157-06158 | 459 | 2 | 30 | Minimum Short Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 180EH-1811H | 06159-06162 | 460 | 0 | 50 | Short Term Flicker Interval End Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1812H-1815H | 06163-06166 | 461 | 0 | 50 | Maximum Short Term Flicker $V_{AN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1816H-1819H | 06167-06170 | 461 | 1 | 50 | Maximum Short Term Flicker $V_{BN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 181AH-181DH | 06171-06174 | 461 | 2 | 50 | Maximum Short Term Flicker $V_{CN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 181EH-1821H | 06175-06178 | 462 | 0 | 50 | Minimum Short Term Flicker $V_{AN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1822H-1825H | 06179-06182 | 462 | 1 | 50 | Minimum Short Term Flicker $V_{BN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1826H-1829H | 06183-06186 | 462 | 2 | 50 | Minimum Short Term Flicker $V_{CN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| | Long Term Flicker Block | | | | | | | | | |
| 182AH-182DH | 06187-06190 | 463 | 0 | 50 | Long Term Flicker Block Time | 12/31/9999 23:59:59.99 | | F3 | | |
| 182EH-182FH | 06191-06192 | 464 | 0 | 30 | Long Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1830H-1831H | 06193-06194 | 464 | 1 | 30 | Long Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1832H-1833H | 06195-06196 | 464 | 2 | 30 | Long Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1834H-1835H | 06197-06198 | 465 | 0 | 30 | Maximum Long Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1836H-1837H | 06199-06200 | 465 | 1 | 30 | Maximum Long Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1838H-1839H | 06201-06202 | 465 | 2 | 30 | Maximum Long Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 183AH-183BH | 06203-06204 | 466 | 0 | 30 | Minimum Long Term Flicker $V_{AN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 183CH-183DH | 06205-06206 | 466 | 1 | 30 | Minimum Long Term Flicker $V_{BN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 183EH-183FH | 06207-06208 | 466 | 2 | 30 | Minimum Long Term Flicker $V_{CN}$ | +32767 / 0 | 1/ 65536 | F7 | R | |
| 1840H-1843H | 06209-06212 | 467 | 0 | 50 | Long Term Flicker Interval End Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1844H-1847H | 06213-06216 | 468 | 0 | 50 | Maximum Long Term Flicker $V_{AN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1848H-184BH | 06217-06220 | 468 | 1 | 50 | Maximum Long Term Flicker $V_{BN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 184CH-184FH | 06221-06224 | 468 | 2 | 50 | Maximum Long Term Flicker $V_{CN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1850H-1853H | 06225-06228 | 469 | 0 | 50 | Minimum Long Term Flicker $V_{AN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1854H-1857H | 06229-06232 | 469 | 1 | 50 | Minimum Long Term Flicker $V_{BN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1858H-185BH | 06233-06236 | 469 | 2 | 50 | Minimum Long Term Flicker $V_{CN}$ Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Additional Energy Block | | | | | | | | | |
| 185CH-185FH | 06237-06240 | 470 | 0 | 50 | Additional Energy Block Time | 12/31/9999 23:59:59.99 | | F3 | | |
| 1890H-18ABH | 06289-06316 | | | | Reserved | | | | R | |
| 18ACH-18AFH | 06317-06320 | 475 | 0 | 20 | Quadrant 1 Watthour, Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 18B0H-18B3H | 06321-06324 | 475 | 1 | 20 | Quadrant 4 Watthour, Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 18B4H-18B7H | 06325-06328 | 475 | 2 | 20 | Quadrant 2 Watthour, Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 18B8H-18BBH | 06329-06332 | 475 | 3 | 20 | Quadrant 3 Watthour, Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 18BCH-18BFH | 06333-06336 | 476 | 0 | 20 | Quadrant 1 VAhour, Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 18C0H-18C3H | 06337-06340 | 476 | 1 | 20 | Quadrant 1 VARhour, Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 18C4H-18C7H | 06341-06344 | 476 | 2 | 20 | Quadrant 4 VAhour, Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 18C8H-18CBH | 06345-06348 | 476 | 3 | 20 | Quadrant 4 VARhour, Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 18CCH-18CFH | 06349-06352 | 476 | 4 | 20 | Quadrant 2 VAhour, Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 18D0H-18D3H | 06353-06356 | 476 | 5 | 20 | Quadrant 2 VARhour, Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 18D4H-18D7H | 06357-06360 | 476 | 6 | 20 | Quadrant 3 VAhour, Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 18D8H-18DBH | 06361-06364 | 476 | 7 | 20 | Quadrant 3 VARhour, Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 18DCH-18EBH | 06365-06380 | | | | Reserved | | | | R | |
| 18ECH-18EFH | 06381-06384 | 478 | 0 | 20 | Total Vahour (Quadrants 1+2+3+4), Primary | 0 VAh | 1 VAH | F20 | R | |
| 18F0H-18F3H | 06385-06388 | 478 | 1 | 20 | Positive VARhour (Quadrants 1+2), Primary | +9,999,999,999,999,999 VARh / 0 VARh | 1 VARH | F20 | R | |
| 18F4H-18F7H | 06389-06392 | 478 | 2 | 20 | Negative VARhour (Quadrants 3+4), Primary | +9,999,999,999,999,999 VARh / 0 VARh | 1 VARH | F20 | R | |
| | Energy and Pulses in the Interval | | | | | | | | | |
| 18F8H-18FBH | 06393-06396 | 479 | 0 | 50 | Energy and Pulses in the Interval Block Time Stamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 18FCH | 06397 | 480 | 0 | 30 | Total VAhour (Quadrants 1+2+3+4) in the Interval, Secondary | 65,535 / 0 | 1 $VA_H$ | F57 | R | |
| 18FDH | 06398 | 480 | 1 | 30 | Positive VARhour (Quadrants 1+2) in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 18FEH | 06399 | 480 | 2 | 30 | Negative VARhour (Quadrants 3+4) in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 18FFH | 06400 | 480 | 3 | 30 | Positive Watthour (Quadrants 1+4) in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 1900H | 06401 | 480 | 4 | 30 | Negative Watthour (Quadrants 2+3) in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 1901H-1920H | 06402-06433 | | | | Reserved | | | | R | |
| 1921H-1922H | 06434-06435 | 483 | 0 | 30 | Pulse Accumulation, Internal Input 1 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1923H-1924H | 06436-06437 | 483 | 1 | 30 | Pulse Accumulation, Internal Input 2 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1925H-1926H | 06438-06439 | 483 | 2 | 30 | Pulse Accumulation, Internal Input 3 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1927H-1928H | 06440-06441 | 483 | 3 | 30 | Pulse Accumulation, Internal Input 4 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1929H-192AH | 06442-06443 | 483 | 4 | 30 | Pulse Accumulation, Internal Input 5 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 192BH-192CH | 06444-06445 | 483 | 5 | 30 | Pulse Accumulation, Internal Input 6 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 192DH-192EH | 06446-06447 | 483 | 6 | 30 | Pulse Accumulation, Internal Input 7 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 192FH-1930H | 06448-06449 | 483 | 7 | 30 | Pulse Accumulation, Internal Input 8 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1931H-1932H | 06450-06451 | 484 | 0 | 30 | Pulse Aggregation 1 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1933H-1934H | 06452-06453 | 484 | 1 | 30 | Pulse Aggregation 2 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1935H-1936H | 06454-06455 | 484 | 2 | 30 | Pulse Aggregation 3 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1937H-1938H | 06456-06457 | 484 | 3 | 30 | Pulse Aggregation 4 in the Interval, Scaled | 4,294,967,295 / 0 | 1 Unit | F18 | R | |
| 1939H | 06458 | 485 | 0 | 30 | Quadrant 1 Watthour in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 193AH | 06459 | 485 | 1 | 30 | Quadrant 4 Watthour in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 193BH | 06460 | 485 | 2 | 30 | Quadrant 2 Watthour in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 193CH | 06461 | 485 | 3 | 30 | Quadrant 3 Watthour in the Interval, Secondary | 65,535 / 0 | 1 $W_H$ | F57 | R | |
| 193DH | 06462 | 486 | 0 | 30 | Quadrant 1 VAhour in the Interval, Secondary | 65,535 / 0 | 1 $VA_H$ | F57 | R | |
| 193EH | 06463 | 486 | 1 | 30 | Quadrant 1 VARhour in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 193FH | 06464 | 486 | 2 | 30 | Quadrant 4 VAhour in the Interval, Secondary | 65,535 / 0 | 1 $VA_H$ | F57 | R | |
| 1940H | 06465 | 486 | 3 | 30 | Quadrant 4 VARhour in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 1941H | 06466 | 486 | 4 | 30 | Quadrant 2 VAhour in the Interval, Secondary | 65,535 / 0 | 1 $VA_H$ | F57 | R | |
| 1942H | 06467 | 486 | 5 | 30 | Quadrant 2 VARhour in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 1943H | 06468 | 486 | 6 | 30 | Quadrant 3 VAhour in the Interval, Secondary | 65,535 / 0 | 1 $VA_H$ | F57 | R | |
| 1944H | 06469 | 486 | 7 | 30 | Quadrant 3 VARhour in the Interval, Secondary | 65,535 / 0 | 1 $VAR_H$ | F57 | R | |
| 1945H-1952H | 06470-06483 | | | | Reserved | | | | R | |
| 1953H | 06484 | 489 | 0 | 30 | KYZ Pulse Output in the Interval, Relay 1 - Pulse 1 | 65,535 / 0 | 1 pulse | F57 | R | |
| 1954H | 06485 | 489 | 1 | 30 | KYZ Pulse Output in the Interval, Relay 2 - Pulse 2 | 65,535 / 0 | 1 pulse | F57 | R | |
| 1955H | 06486 | 489 | 2 | 30 | KYZ Pulse Output in the Interval, Relay 3 | 65,535 / 0 | 1 pulse | F57 | R | |
| 1956H | 06487 | 489 | 3 | 30 | KYZ Pulse Output in the Interval, Relay 4 | 65,535 / 0 | 1 pulse | F57 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1957H | 06488 | 489 | 4 | 30 | ct_gain_switch (0000 for low range, 1111 for high range, others for auto range) | 65,535 / 0 | | | R/W | Debug and production only |
| | Flicker Countdown Block | | | | | | | | | |
| 1958H | 06489 | 490 | 0 | 30 | Short Term Flicker Countdown | 65,535 / 0 | 1 second | F56 | R | |
| 1959H | 06490 | 490 | 1 | 30 | Long Term Flicker Countdown | 65,535 / 0 | 1 second | F56 | R | |
| | Cumulative Demand Block | | | | | | | | | |
| 195AH-195DH | 06491-06494 | 491 | 0 | 50 | Cumulative Demand Block Time Stamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| 195EH-195FH | 06495-06496 | 492 | 0 | 30 | Positive Watt (Quadrants 1+4) Cumulative Demand | 4,294,967,295 / 0 | | F18 | R | |
| 1960H-1961H | 06497-06498 | 492 | 1 | 30 | Negative Watt (Quadrants 2+3) Cumulative Demand | 4,294,967,295 / 0 | | F18 | R | |
| 1962H-1963H | 06499-06500 | 493 | 0 | 30 | Positive Watt (Quadrants 1+4) Continuous Cumulative Demand | 4,294,967,295 / 0 | | F18 | R | |
| 1964H-1965H | 06501-06502 | 493 | 1 | 30 | Negative Watt (Quadrants 2+3) Continuous Cumulative Demand | 4,294,967,295 / 0 | | F18 | R | |
| | Uncompensated and Q Block | | | | | | | | | |
| 1A08H-1A09H | 06665-06666 | 500 | 0 | 30 | Uncompensated One second Phase A VA | +32767 VA / 0 VA | 1/65536 VA sec | F7 | | |
| 1A0AH-1A0BH | 06667-06678 | 500 | 1 | 30 | Uncompensated One second Phase B VA | +32767 VA / 0 VA | 1/65536 VA sec | F7 | | |
| 1A0CH-1A0DH | 06669-06670 | 500 | 2 | 30 | Uncompensated One second Phase C VA | +32767 VA / 0 VA | 1/65536 VA sec | F7 | | |
| 1A0EH-1A0FH | 06671-06672 | 501 | 0 | 30 | Uncompensated One second VA | +32767 VA / 0 VA | 1/65536 VA sec | F7 | | |
| 1A10H-1A11H | 06673-06674 | 502 | 0 | 30 | Uncompensated One second Phase A VAR | +32767 VAR / - 32768 VAR | VAR sec | F7 | | |
| 1A12H-1A13H | 06675-06676 | 502 | 1 | 30 | Uncompensated One second Phase B VAR | +32767 VAR / - 32768 VAR | VAR sec | F7 | | |
| 1A14H-1A15H | 06677-06678 | 502 | 2 | 30 | Uncompensated One second Phase C VAR | +32767 VAR / - 32768 VAR | 1/65536 VAR sec | F7 | | |
| 1A16H-1A17H | 06679-06680 | 503 | 0 | 30 | Uncompensated One second VAR | +32767 VAR / - 32768 VAR | 1/65536 VAR sec | F7 | | |
| 1A18H-1A19H | 06681-06682 | 504 | 0 | 30 | Uncompensated One second Phase A W | +32767 W / - 32768 W | 1/65536 W sec | F7 | | |
| 1A1AH-1A1BH | 06683-06684 | 504 | 1 | 30 | Uncompensated One second Phase B W | +32767 W / - 32768 W | 1/65536 W sec | F7 | | |
| 1A1CH-1A1DH | 06685-06686 | 504 | 2 | 30 | Uncompensated One second Phase C W | +32767 W / - 32768 W | W sec | F7 | | |
| 1A1EH-1A1FH | 06687-06688 | 505 | 0 | 30 | Uncompensated One second W | +32767 W / - 32768 W | 1/65536 W sec | F7 | | |
| 1A20H-1A23H | 06689-06692 | 506 | 0 | 20 | Uncompensated VAh, secondary BCD | 9,999,999,999,999,999 VAh / 0 VAh | 1 VAh | F11 | | |
| 1A24H-1A27H | 06693-06706 | 506 | 1 | 20 | Uncompensated + VARh, secondary BCD | 9,999,999,999,999,999 VARh / 0 VARh | 1 VARh | F11 | | |
| 1A28H-1A2BH | 06697-06700 | 506 | 2 | 20 | Uncompensated - VARh, secondary BCD | 9,999,999,999,999,999 VARh / 0 VARh | 1 VARh | F11 | | |
| 1A2CH-1A2FH | 06701-06704 | 506 | 3 | 20 | Uncompensated + Wh, seconary BCD | 9,999,999,999,999,999 Wh / 0 Wh | 1 Wh | F11 | | |
| 1A30H-1A33H | 06705-06708 | 506 | 4 | 20 | Uncompensated - Wh, seconary BCD | 9,999,999,999,999,999 Wh / 0 Wh | 1 Wh | F11 | | |
| 1A34H-1A37H | 06709-06712 | 507 | 0 | 20 | Uncompensated VAh, secondary, binary | 9,999,999,999,999,999 / 0 | 1 VAh | F12 | | |
| 1A38H-1A3BH | 06713-06716 | 507 | 1 | 20 | Uncompensated +VARh, secondary, binary | 9,999,999,999,999,999 / 0 | 1 VARh | F12 | | |
| 1A3CH-1A3FH | 06717-06720 | 507 | 2 | 20 | Uncompensated -VARh, secondary, binary | 9,999,999,999,999,999 / 0 | 1 VARh | F12 | | |
| 1A40H-1A43H | 06721-06724 | 507 | 3 | 20 | Uncompensated +Wh, secondary, binary | 9,999,999,999,999,999 / 0 | 1 Wh | F12 | | |
| 1A44H-1A47H | 06725-06728 | 507 | 4 | 20 | Uncompensated -Wh, secondary, binary | 9,999,999,999,999,999 / 0 | 1 Wh | F12 | | |
| 1A48H-1A6FH | 06729-06768 | | | | Reserved | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 1A70H | 06769 | 510 | 0 | 30 | Uncompensated VAh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1A71H | 06770 | 510 | 1 | 30 | Uncompensated +VARh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1A72H | 06771 | 510 | 2 | 30 | Uncompensated -VARh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1A73H | 06772 | 510 | 3 | 30 | Uncompensated +Wh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1A74H | 06773 | 510 | 4 | 30 | Uncompensated -Wh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| | | | | | Reserved | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1A81H-1A82H | 06784-06785 | 512 | 0 | 30 | One second Phase A Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A83H-1A84H | 06786-06787 | 512 | 1 | 30 | One second Phase B Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A85H-1A86H | 06788-06789 | 512 | 2 | 30 | One second Phase C Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A87H-1A88H | 06790-06791 | 513 | 0 | 30 | One second Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A89H-1A8AH | 06792-06793 | 514 | 0 | 30 | Thermal Average Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A8BH-1A8CH | 06794-06795 | 515 | 0 | 30 | Maximum Thermal Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A8DH-1A8EH | 06796-06797 | 515 | 1 | 30 | Maximum Thermal Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A8FH-1A90H | 06798-06799 | 516 | 0 | 30 | Minimum Thermal Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A91H-1A92H | 06800-06801 | 516 | 1 | 30 | Minimum Thermal Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1A93H-1A96H | 06802-06805 | 517 | 0 | 50 | Maximum Thermal Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1A97H-1A9AH | 06806-06809 | 517 | 1 | 50 | Maximum Thermal Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1A9BH-1A9EH | 06810-06813 | 518 | 0 | 50 | Minimum Thermal Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1A9FH-1AA2H | 06814-06817 | 518 | 1 | 50 | Minimum Thermal Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AA3H-1AA6H | 06818-06821 | 519 | 0-1 | 20 | + Qh, secondary BCD | 9,999,999,999,999,999 Qh / 0 Qh | 1 Qh | F11 | | |
| 1AA7H-1AAAH | 06822-06825 | 519 | 0-1 | 20 | - Qh, secondary BCD | 9,999,999,999,999,999 Qh / 0 Qh | 1 Qh | F11 | | |
| 1AABH-1AAEH | 06826-06829 | 520 | 0 | 20 | + Qh, secondary binary | 9,999,999,999,999,999 Qh / 0 Qh | 1 Qh | F12 | | |
| 1AAFH-1AB2H | 06830-06833 | 520 | 1 | 20 | - Qh, secondary binary | 9,999,999,999,999,999 Qh / 0 Qh | 1 Qh | F12 | | |
| 1AB3H-1AC0H | 06834-06849 | | | | Reserved | | | | | |
| 1AC1H | 06850 | 523 | 0 | 30 | + Qh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1AC2H | 06851 | 523 | 1 | 30 | - Qh in the Interval, secondary | 65,535 / 0 | 1 | F47 | | |
| 1AC3H-1AC6H | 06852-06855 | | | | Reserved | | | | | |
| 1AD7H-1AC8H | 06856-06857 | 525 | 0 | 30 | Block Window Average Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AC9H-1ACAH | 06858-06859 | 526 | 0 | 30 | Maximum Block Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1ACBH-1ACCH | 06860-06861 | 526 | 1 | 30 | Maximum Block Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1ACDH-1ACEH | 06862-06863 | 527 | 0 | 30 | Minimum Block Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1ACFH-1AD0H | 06864-06865 | 527 | 1 | 30 | Minimum Block Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AD1H-1AD4H | 06866-06869 | 528 | 0 | 50 | Maximum Block Window Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AD5H-1AD8H | 06870-06873 | 528 | 1 | 50 | Maximum Block Window Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AD9H-1ADCH | 06874-06877 | 529 | 0 | 50 | Minimum Block Window Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1ADDH-1AE0H | 06878-06881 | 529 | 1 | 50 | Minimum Block Window Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AE1H-1AE2H | 06882-06883 | 530 | 0 | 30 | Rolling Window Average Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AE3H-1AE4H | 06884-06885 | 531 | 0 | 30 | Maximum Rolling Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AE5H-1AE6H | 06886-06887 | 531 | 1 | 30 | Maximum Rolling Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AE7H-1AE8H | 06888-06889 | 532 | 0 | 30 | Minimum Rolling Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AE9H-1AEAH | 06890-06891 | 532 | 1 | 30 | Minimum Rolling Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 1AEBH-1AEEH | 06892-06895 | 533 | 0 | 50 | Maximum Rolling Window Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AEFH-1AF2H | 06896-06899 | 533 | 1 | 50 | Maximum Rolling Window Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AF3H-1AF6H | 06900-06903 | 534 | 0 | 50 | Minimum Rolling Window Average + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AF7H-1AFAH | 06904-06907 | 534 | 1 | 50 | Minimum Rolling Window Average - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |

| | Scaled Energy Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1AFBH-1AFEH | 06908-06911 | 535 | 0 | 50 | Scaled Energy Block Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 1AFFH-1B00H | 06912-06913 | 536 | 0 | 20 | Total VAh (Quadrant 1+2+3+4) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B01H-1B02H | 06914-06915 | 536 | 1 | 20 | Positive VARh (Quadrant 1+2) Scaled Priamry | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B03H-1B04H | 06916-06917 | 536 | 2 | 20 | Negative VARh (Quadrant 3+4) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B05H-1B06H | 06918-06919 | 537 | 0 | 20 | Positive Wh (Quadrant 1+4) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B07H-1B08H | 06920-06921 | 537 | 1 | 20 | Quadrant 1 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B09H-1B0AH | 06922-06923 | 537 | 2 | 20 | Quadrant 1 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B0BH-1B0CH | 06924-06925 | 537 | 3 | 20 | Quadrant 4 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B0DH-1B0EH | 06926-06927 | 537 | 4 | 20 | Quadrant 4 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B0FH-1B10H | 06928-06929 | 537 | 5 | 20 | Negative Wh (Quadrant 2+3) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B11H-1B12H | 06930-06931 | 537 | 6 | 20 | Quadrant 2 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B13H-1B14H | 06932-06933 | 537 | 7 | 20 | Quadrant 2 VARh Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B15H-1B16H | 06934-06935 | 537 | 8 | 20 | Quadrant 3 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B17H-1B18H | 06936-06937 | 537 | 9 | 20 | Quadrant 3 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B19H-1B1AH | 06938-06939 | 538 | 0 | 20 | I2t Phase A Scaled Priamry | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B1BH-1B1CH | 06940-06941 | 538 | 1 | 20 | I2t Phase B Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B1DH-1B1EH | 06942-06943 | 538 | 2 | 20 | I2t Phase C Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B1FH-1B20H | 06944-06945 | 538 | 3 | 20 | V2t Phase A Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B21H-1B22H | 06946-06947 | 538 | 4 | 20 | V2t Phase B Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B23H-1B24H | 06948-06949 | 538 | 5 | 20 | V2t Phase C Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B25H-1B26H | 06950-06951 | 539 | 0 | 20 | Quadrant 1 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1B27H-1B28H | 06952-06953 | 539 | 1 | 20 | Quadrant 4 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B29H-1B2AH | 06954-06955 | 539 | 2 | 20 | Quadrant 2 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B2BH-1B2CH | 06956-06957 | 539 | 3 | 20 | Quadrant 3 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B2DH-1B2EH | 06958-06959 | 450 | 0 | 20 | Uncompensated Total VAh, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B2FH-1B30H | 06960-06961 | 540 | 1 | 20 | Uncompensated + VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B31H-1B32H | 06962-06963 | 540 | 2 | 20 | Uncompensated - VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B33H-1B34H | 06964-06965 | 540 | 3 | 20 | Uncompensated + Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B35H-1B36H | 06966-06967 | 540 | 4 | 20 | Uncompensated - Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B37H-1B38H | 06968-06969 | 541 | 0 | 20 | + Qh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B39H-1B3AH | 06970-06971 | 541 | 1 | 20 | - Qh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| | Test Mode Demand | | | | | | | | | |
| 1B3BH-1B3CH | 06972-06973 | 542 | 0 | 20 | Test Mode Block Window Average VA | +32767.9999 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1B3DH-1B3EH | 06974-06975 | 542 | 1 | 20 | Test Mode Block Window Average +VAR | +32767.9999 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1B3FH-1B40H | 06976-06977 | 542 | 2 | 20 | Test Mode Block Window Average -VAR | 0 VAR / -32767.9999 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1B41H-1B42H | 06978-06979 | 542 | 3 | 20 | Test Mode Block Window Average +W | +32767.9999 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1B43H-1B44H | 06980-06981 | 542 | 4 | 20 | Test Mode Block Window Average -W | 0 W / -32767.9999 W | 1/ 65536 W sec | F7 | R | |
| | Scaled Energy Block – Cont. | | | | | | | | | |
| 1B4FH-1B50H | 06992-06993 | 543 | 0 | 20 | Pulse Accumulation Inputs 1, Scaled | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B51H-1B52H | 06994-06995 | 543 | 1 | 20 | Pulse Accumulation Inputs 2, Scaled | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B53H-1B54H | 06996-06997 | 543 | 2 | 20 | Pulse Accumulation Inputs 3, Scaled | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |
| 1B55H-1B56H | 06998-06999 | 543 | 3 | 20 | Pulse Accumulation Inputs 4, Scaled | variable (9999 through 999999999 / 0) | variable $10^6$ - $10^{-7}$ | F64 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1B57H-1B58H | 07000-07001 | 543 | 4 | 20 | Pulse Accumulation Inputs 5, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B59H-1B5AH | 07002-07003 | 543 | 5 | 20 | Pulse Accumulation Inputs 6, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B5BH-1B5CH | 07004-07005 | 543 | 6 | 20 | Pulse Accumulation Inputs 7, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B5DH-1B5EH | 07006-07007 | 543 | 7 | 20 | Pulse Accumulation Inputs 8, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B5FH-1B60H | 07008-07009 | 544 | 0 | 20 | Pulse Aggregations 1, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B61H-1B62H | 07010-07011 | 544 | 1 | 20 | Pulse Aggregations 2, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B63H-1B64H | 07012-07013 | 544 | 2 | 20 | Pulse Aggregations 3, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1B65H-1B66H | 07014-07015 | 544 | 3 | 20 | Pulse Aggregations 4, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E41H-1E42H | 07746-07747 | 583 | 0 | 30 | Total VAh (Quadrant 1+2+3+4) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E43H-1E44H | 07748-07749 | 583 | 1 | 30 | Positive VARh (Quadrant 1+2) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E45H-1E46H | 07750-07751 | 583 | 2 | 30 | Negative VARh (Quadrant 3+4) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E47H-1E48H | 07752-07753 | 584 | 0 | 30 | Positive Wh (Quadrant 1+4) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E49H-1E4AH | 07754-07755 | 584 | 1 | 30 | Quadrant 1 VAh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E4BH-1E4CH | 07756-07757 | 584 | 2 | 30 | Quadrant 1 VARh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E4DH-1E4EH | 07758-07759 | 584 | 3 | 30 | Quadrant 4 VAh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E4FH-1E50H | 07760-07761 | 584 | 4 | 30 | Quadrant 4 VARh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E51H-1E52H | 07762-07763 | 584 | 5 | 30 | Negative Wh (Quadrant 2+3) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E53H-1E54H | 07764-07765 | 584 | 6 | 30 | Quadrant 2 VAh in the Interval, Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E55H-1E56H | 07766-07767 | 584 | 7 | 30 | Quadrant 2 VARh in the Interval, Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E57H-1E58H | 07768-07769 | 584 | 8 | 30 | Quadrant 3 VAh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E59H-1E5AH | 07770-07771 | 584 | 9 | 30 | Quadrant 3 VARh in the Interval, Sclaed Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E5BH-1E5CH | 07772-07773 | 585 | 0 | 30 | I2t Phase A in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E5DH-1E5EH | 07774-07775 | 585 | 1 | 30 | I2t Phase B in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E5FH-1E60H | 07776-07777 | 585 | 2 | 30 | I2t Phase C in the Interval, Sclaed Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E61H-1E62H | 07778-07779 | 585 | 3 | 30 | V2t Phase A in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E63H-1E64H | 07780-07781 | 585 | 4 | 30 | V2t Phase B in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1E65H-1E66H | 07782-07783 | 585 | 5 | 30 | V2t Phase C in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E67H-1E68H | 07784-07785 | 586 | 0 | 30 | Quadrant 1 Wh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E69H-1E6AH | 07786-07787 | 586 | 1 | 30 | Quadrant 4 Wh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E6BH-1E6CH | 07788-07789 | 586 | 2 | 30 | Quadrant 2 Wh in the Interval, Sclaed Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E6DH-1E6EH | 07790-07791 | 586 | 3 | 30 | Quadrant 3 Wh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E6FH-1E70H | 07792-07793 | 587 | 0 | 30 | Uncompensated Total VAh (Q 1+2+3+4) in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E71H-1E72H | 07794-07795 | 587 | 1 | 30 | Uncompensated + VARh in the Interval, Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E73H-1E74H | 07796-07797 | 587 | 2 | 30 | Uncompensated - VARh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E75H-1E76H | 07798-07799 | 587 | 3 | 30 | Uncompensated + Wh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E77H-1E78H | 07800-07801 | 587 | 4 | 30 | Uncompensated - Wh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E79H-1E7AH | 07802-07803 | 588 | 0 | 30 | + Qh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E7BH-1E7CH | 07804-07805 | 588 | 1 | 30 | - Qh in the Interval, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E7DH-1E7EH | 07806-07807 | 589 | 0 | 30 | Pulse Accumulation Inputs 1 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E7FH-1E80H | 07808-07809 | 589 | 1 | 30 | Pulse Accumulation Inputs 2 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E81H-1E82H | 07810-07811 | 589 | 2 | 30 | Pulse Accumulation Inputs 3 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E83H-1E84H | 07812-07813 | 589 | 3 | 30 | Pulse Accumulation Inputs 4 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E85H-1E86H | 07814-07815 | 589 | 4 | 30 | Pulse Accumulation Inputs 5 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E87H-1E88H | 07816-07817 | 589 | 5 | 30 | Pulse Accumulation Inputs 6 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E89H-1E8AH | 07818-07819 | 589 | 6 | 30 | Pulse Accumulation Inputs 7 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E8BH-1E8CH | 07820-07821 | 589 | 7 | 30 | Pulse Accumulation Inputs 8 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E8DH-1E8EH | 07822-07823 | 590 | 0 | 30 | Pulse Aggregations 1 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E8FH-1E90H | 07824-07825 | 590 | 1 | 30 | Pulse Aggregations 2 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E91H-1E92H | 07826-07827 | 590 | 2 | 30 | Pulse Aggregations 3 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 1E93H-1E94H | 07828-07829 | 590 | 3 | 30 | Pulse Aggregations 4 in the Interval, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| | Total Average Power Factor Block | | | | | | | | | |
| 1E95H-1E98H | 07830-07833 | 591 | 0 | 50 | Total Average Power Factor Block Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| 1E99H | 07834 | 592 | 0 | 30 | Total Average Power Factor Q14 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9AH | 07835 | 592 | 1 | 30 | Total Average Power Factor Q23 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9BH | 07836 | 593 | 0 | 30 | Maximum Total Average Power Factor Q14 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9CH | 07837 | 593 | 1 | 30 | Maximum Total Average Power Factor Q23 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9DH | 07838 | 594 | 0 | 30 | Minimum Total Average Power Factor Q14 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9EH | 07839 | 594 | 1 | 30 | Minimum Total Average Power Factor Q23 | 1.000 / 0 | 0.001 PF | F8 | R | |
| 1E9FH-1EA2H | 07840-07843 | 595 | 0 | 50 | Maximum Total Average Power Factor Q14 Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1EA3H-1EA6H | 07844-07847 | 595 | 1 | 50 | Maximum Total Average Power Factor Q23 Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| 1EA7H-1EAAH | 07848-07851 | 596 | 0 | 50 | Minimum Total Average Power Factor Q14 Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| 1EABH-1EAEH | 07852-07855 | 596 | 1 | 50 | Minimum Total Average Power Factor Q23 Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| 1EAFH-1EB2H | 07856-07859 | 597 | 0 | 50 | Total Average Power Factor Reset Timestamp | 12/31/9999 23:59:59.99 | | F3 | R | |
| | | | | | | | | | | |
| 1EB3H-1EB6H | 07860-07863 | | | | Reserved | | | | R | |
| | Negative Maximum Pulse Aggregation Average Block | | | | | | | | | |
| 1EB7H-1EBAH | 07864-07867 | 599 | 0 | 30 | Negative Maximum Block Window Average Aggregation 1 | 0 /-9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1EBBH-1EC6H | 07868-07879 | 599 | 1-3 | 30 | Negative Maximum Block Window Average Aggregation 2-4 | 0 /-9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1EC7H-1ECAH | 07880-07883 | 600 | 0 | | Negative Maximum Block Window Average Aggregation 1 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 1ECBH-1ED6H | 07884-07895 | 600 | 1-3 | | Negative Maximum Block Window Average Aggregation 2-4 Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| | New Demand Block(Either Block window average or Sliding Window Average) | | | | | | | | | |
| 1EF7H-1EF8H | 07928-07929 | 1227 | 0 | | VAQ1234 | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1EF9H-1EFAH | 07930-07931 | 1227 | 1 | | WQ14 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1EFBH-1EFCH | 07932-07933 | 1227 | 2 | | WQ23 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1EFDH-1EFEH | 07934-07935 | 1227 | 3 | | VARQ12 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1EFFH-1F00H | 07936-07937 | 1227 | 4 | | VARQ34 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F01H-1F02H | 07938-07939 | 1227 | 5 | | pQ | +32767 Q / 0 Q | 1/ 65536 Q sec | F7 | R | |
| 1F03H-1F04H | 07940-07941 | 1227 | 6 | | nQ | +32767 Q / 0 Q | 1/ 65536 Q sec | F7 | R | |
| 1F05H-1F06H | 07942-07943 | 1227 | 7 | | WQ1 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F07H-1F08H | 07944-07945 | 1227 | 8 | | WQ2 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F09H-1F0AH | 07946-07947 | 1227 | 9 | | WQ3 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F0BH-1F0CH | 07948-07949 | 1227 | 10 | | WQ4 | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F0DH-1F0EH | 07950-07951 | 1227 | 11 | | VARQ1 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F0FH-1F10H | 07952-07953 | 1227 | 12 | | VARQ2 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F11H-1F12H | 07954-07955 | 1227 | 13 | | VARQ3 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F13H-1F14H | 07956-07957 | 1227 | 14 | | VARQ4 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F15H-1F16H | 07958-07959 | 1227 | 15 | | VAQ1 | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1F17H-1F18H | 07960-07961 | 1227 | 16 | | VAQ2 | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1F19H-1F1AH | 07962-07963 | 1227 | 17 | | VAQ3 | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1F1BH-1F1CH | 07964-07965 | 1227 | 18 | | VAQ4 | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | |
| 1F1DH-1F1EH | 07966-07967 | 1227 | 19 | | I2T Phase A | +32767 I2T / 0 I2T | 1/ 65536 I2T sec | F7 | R | |
| 1F1FH-1F20H | 07968-07969 | 1227 | 20 | | I2T Phase B | +32767 I2T / 0 I2T | 1/ 65536 I2T sec | F7 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 1F21H-1F22H | 07970-07971 | 1227 | 21 | | I2T Phase C | +32767 I2T / 0 I2T | 1/ 65536 I2T sec | F7 | R | |
| 1F23H-1F24H | 07972-07973 | 1227 | 22 | | V2T Phase A | +32767 V2T / 0 V2T | 1/ 65536 V2T sec | F7 | R | |
| 1F25H-1F26H | 07974-07975 | 1227 | 23 | | V2T Phase B | +32767 V2T / 0 V2T | 1/ 65536 V2T sec | F7 | R | |
| 1F27H-1F28H | 07976-07977 | 1227 | 24 | | V2T Phase C | +32767 V2T / 0 V2T | 1/ 65536 V2T sec | F7 | R | |
| 1F29H-1F2AH | 07978-07979 | 1227 | 25 | | Uncompensated VA | +32767 VA / 0 VA | VA sec | F7 | R | |
| 1F2BH-1F2CH | 07980-07981 | 1227 | 26 | | Uncompensated +VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | |
| 1F2DH-1F2EH | 07982-07983 | 1227 | 27 | | Uncompensated -VAR | +32767 VAR / 0 VAR | VAR sec | F7 | R | |
| 1F2FH-1F30H | 07984-07985 | 1227 | 28 | | Uncompensated +W | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F31H-1F32H | 07986-07987 | 1227 | 29 | | Uncompensated -W | +32767 W / 0 W | 1/ 65536 W sec | F7 | R | |
| 1F33H-1F36H | 07988-07991 | 1228 | 0 | | Internal Input 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F37H-1F3AH | 07992-07995 | 1228 | 1 | | Internal Input 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F3BH-1F3EH | 07996-07999 | 1228 | 2 | | Internal Input 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F3FH-1F42H | 08000-08003 | 1228 | 3 | | Internal Input 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F43H-1F46H | 08004-08007 | 1228 | 4 | | Internal Input 5 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F47H-1F4AH | 08008-08011 | 1228 | 5 | | Internal Input 6 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F4BH-1F4EH | 08012-08015 | 1228 | 6 | | Internal Input 7 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F4FH-1F52H | 08016-08019 | 1228 | 7 | | Internal Input 8 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F53H-1F56H | 08020-08023 | 1229 | 0 | | Aggregation 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F57H-1F5AH | 08024-08027 | 1229 | 1 | | Aggregation 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F5BH-1F5EH | 08028-08031 | 1229 | 2 | | Aggregation 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F5FH-1F62H | 08032-08035 | 1229 | 3 | | Aggregation 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 1F63H | 8036 | 1230 | 0 | | PF | -1.0 / 1.0 | 0.001 PF | F103 | R | |
| 1F64H | 8037 | 1230 | 1 | | +PF | 0 / 1.0 | 0.001 PF | F103 | R | |
| 1F65H | 8038 | 1230 | 2 | | -PF | 0 / 1.0 | 0.001 PF | F103 | R | |
| 1F66H | 8039 | 1231 | 0 | | Uncomp PF | -1.0 / 1.0 | 0.001 PF | F103 | R | |
| 1F67H-1F9DH | 08040-08088 | | | | Reserved | | | | | |
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|---|---|---|---|---|---|---|---|---|---|---|
| | Master Device Data Block | | | | | | | | | |
| 2100H-21FFH | 08449-08704 | | | | | | | | | |
| | Power Quality Test (EN-50160/IEC61000-4-30) Dynamic Readings Block | | | | | | | | | |
| 2200H-2203H | 08705-08708 | 603 | 0 | | Dynamic Readings Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 2204H-2205H | 08709-08710 | 604 | 0 | | Sym Comp Voltage Magnitude 3 Sec - zero sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| 2206H-2207H | 08711-08712 | 604 | 1 | | Sym Comp Voltage Magnitude 3 Sec - positive sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| 2208H-2209H | 08713-08714 | 604 | 2 | | Sym Comp Voltage Magnitude 3 Sec - negative sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| 220AH | 08715 | 605 | 0 | | Sym Comp Voltage Phase 3 Sec - zero sequence | +327.67 / -327.68 | 0.01 degree | F9 | R | |
| 220BH | 08716 | 605 | 1 | | Sym Comp Voltage Phase 3 Sec - positive sequence | +327.67 / -327.68 | 0.01 degree | F9 | R | |
| 220CH | 08717 | 605 | 2 | | Sym Comp Voltage Phase 3 Sec - negative sequence | +327.67 / -327.68 | 0.01 degree | F9 | R | |
| 220DH-220EH | 08718-08719 | 606 | 0 | | 10 sec Ave Freq | +32767Hz / 0Hz | 1/65536Hz | F7 | R | |
| 2215H-2216H | 08726-08727 | 608 | 0 | | Sym Comp Voltage Magnitude 10 Min - zero sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| 2217H-2218H | 08728-08729 | 608 | 1 | | Sym Comp Voltage Magnitude 10 Min - positive sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| 2219H-221AH | 08730-08731 | 608 | 2 | | Sym Comp Voltage Magnitude 10 Min - negative sequence | +32767 / -32768 | 1/65536 V | F7 | R | |
| | Total Demand Distortion (TDD) | | | | | | | | | |
| 23D6H | 09175 | 656 | 0 | | TDD Phase A-N / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23D7H | 09176 | 657 | 0 | | TDD Phase B-N / Phase B-C Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23D8H | 09177 | 658 | 0 | | TDD Phase C-N / Phase C-A Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23D9H | 09178 | 659 | 0 | | TDD Phaes A Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DAH | 09179 | 660 | 0 | | TDD Phaes B Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DBH | 09180 | 661 | 0 | | TDD Phase C Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DCH | 09181 | 662 | 0 | | Maximum TDD Phase A-N / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DDH | 09182 | 662 | 1 | | Maximum TDD Phase B-N / Phase B-C Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DEH | 09183 | 662 | 2 | | Maximum TDD Phase C-N / Phase C-A Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23DFH | 09184 | 663 | 0 | | Maximum TDD Phaes A Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E0H | 09185 | 663 | 1 | | Maximum TDD Phaes B Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E1H | 09186 | 663 | 2 | | Maximum TDD Phaes C Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E2H | 09187 | 664 | 0 | | Minimum TDD Phase A-N / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E3H | 09188 | 664 | 1 | | Minimum TDD Phase B-N / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E4H | 09189 | 664 | 2 | | Minimum TDD Phase C-N / Phase A-B Voltage | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E5H | 09190 | 665 | 0 | | Minimum TDD Phase A Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E6H | 09191 | 665 | 1 | | Minimum TDD Phase B Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E7H | 09192 | 665 | 2 | | Minimum TDD Phase C Current | +327.67% / -327.68% | 0.01% | F10 | R | |
| 23E8H-23EBH | 09193-09196 | 666 | 0 | | Maximum TDD Phase A-N / Phase A-B Voltage Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 23ECH-23EFH | 09197-09200 | 666 | 1 | | Maximum TDD Phase B-N / Phase B-C Voltage Timestamp | 12/31/9999 23:59:59.100 | 11 msec | F3 | R | |
| 23F0H-23F3H | 09201-09204 | 666 | 2 | | Maximum TDD Phase C-N / Phase C-A Voltage Timestamp | 12/31/9999 23:59:59.101 | 12 msec | F3 | R | |
| 23F4H-23F7H | 09205-09208 | 666 | 3 | | Maximum TDD Phase A Current Timestamp | 12/31/9999 23:59:59.102 | 13 msec | F3 | R | |
| 23F8H-23FBH | 09209-09212 | 666 | 4 | | Maximum TDD Phase B Current Timestamp | 12/31/9999 23:59:59.103 | 14 msec | F3 | R | |
| 23FCH-23FFH | 09213-09216 | 666 | 5 | | Maximum TDD Phase C Current Timestamp | 12/31/9999 23:59:59.104 | 15 msec | F3 | R | |
| 2400H-2403H | 09217-09220 | 667 | 0 | | Minimum TDD Phase A-N / Phase A-B Voltage Timestamp | 12/31/9999 23:59:59.105 | 16 msec | F3 | R | 1 |
| 2404H-2407H | 09221-09224 | 667 | 1 | | Minimum TDD Phase B-N / Phase B-C Voltage Timestamp | 12/31/9999 23:59:59.106 | 17 msec | F3 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2408H-240BH | 09225-09228 | 667 | 2 | | Minimum TDD Phase C-N / Phase C-A Voltage Timestamp | 12/31/9999 23:59:59.107 | 18 msec | F3 | R | |
| 240CH-240FH | 09229-09232 | 667 | 3 | | Minimum TDD Phase A Current Timestamp | 12/31/9999 23:59:59.108 | 19 msec | F3 | R | |
| 2410FH-2413H | 09233-09236 | 667 | 4 | | Minimum TDD Phase A Current Timestamp | 12/31/9999 23:59:59.109 | 20 msec | F3 | R | |
| 2414H-2417H | 09237-09240 | 667 | 5 | | Minimum TDD Phase A Current Timestamp | 12/31/9999 23:59:59.110 | 21 msec | F3 | R | |
| | Frozen Energy Block | | | | | | | | | |
| 2C00H-2C03H | 11265-11268 | 900 | 0 | | Frozen Energy Block Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| | Frozen Energy - Secondary Energy Readings | | | | | | | | | |
| 2C04H-2C07H | 11269-11272 | 901 | 0 | | VA hour (Quadrant 1+2+3+4), Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 2C08H-2C0BH | 11273-11276 | 901 | 1 | | VAR hour (Quadrant 1+2), Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 2C0CH-2C0FH | 11277-11280 | 901 | 2 | | VAR hour (Quadrant 2+3), Secondary | 0 VARh / -9,999,999,999,999,999 VARh | 1 $VAR_H$ | F12 | R | |
| 2C10H-2C13H | 11281-11284 | 901 | 3 | | Watt hour (Quadrant 1+4) , Secondary | +9,999,999,999,999,999 Wh / 0 Wh | 1 $W_H$ | F12 | R | |
| 2C14H-2C17H | 11285-11288 | 901 | 4 | | Watt hour (Quadrant 2+3), Secondary | 0 Wh / -9,999,999,999,999,999 Wh | 1 $W_H$ | F12 | R | |
| 2C18H-2C1BH | 11289-11292 | 901 | 5 | | VA hour (Quadrant 1), Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 2C1CH-2C1FH | 11293-11296 | 901 | 6 | | VAR hour (Quadrant 1), Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 2C20H-2C23H | 11297-11300 | 901 | 7 | | VA hour (Quadrant 4), Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 2C2CH-2C27H | 11301-11304 | 901 | 8 | | VAR hour (Quadrant 4), Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 2C28H-2C2BH | 11305-11308 | 901 | 9 | | VA hour (Quadrant 2), Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 2C2CH-2C2FH | 11309-11312 | 901 | 10 | | VAR hour (Quadrant 2), Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 2C30H-2C33H | 11313-11316 | 901 | 11 | | VA hour (Quadrant 3), Secondary | +9,999,999,999,999,999 VAh / 0 VAh | 1 $VA_H$ | F12 | R | |
| 2C34H-2C37H | 11317-11320 | 901 | 12 | | VAR hour (Quadrant 3), Secondary | +9,999,999,999,999,999 VARh / 0 VARh | 1 $VAR_H$ | F12 | R | |
| 2C38H-2C3BH | 11321-11324 | 901 | 13 | | $I^2t$ Phase A, Secondary | +9,999,999,999,999,999 $I^2t$ / 0 | 1 $I^2t$ | F12 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2C3CH-2C3FH | 11325-11328 | 901 | 14 | | $I^2t$ Phase B, Secondary | +9,999,999,999,999,999 $I^2t$ / 0 | 1 $I^2t$ | F12 | R | |
| 2C40H-2C43H | 11329-11332 | 901 | 15 | | $I^2t$ Phase C, Secondary | +9,999,999,999,999,999 $I^2t$ / 0 | 1 $I^2t$ | F12 | R | |
| 2C44H-2C47H | 11333-11336 | 901 | 16 | | $V^2t$ Phase A, Secondary | +9,999,999,999,999,999 $V^2t$ / 0 | 1 $V^2t$ | F12 | R | |
| 2C48H-2C4BH | 11337-11340 | 901 | 17 | | $V^2t$ Phase B, Secondary | +9,999,999,999,999,999 $V^2t$ / 0 | 1 $V^2t$ | F12 | R | |
| 2C4CH-2C4FH | 11341-11344 | 901 | 18 | | $V^2t$ Phase C, Secondary | +9,999,999,999,999,999 $V^2t$ / 0 | 1 $V^2t$ | F12 | R | |
| 2C50H-2C53H | 11345-11348 | 901 | 19 | | Watt hour (Quadrant 1), Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 2C54H-2C57H | 11349-11352 | 901 | 20 | | Watt hour (Quadrant 4), Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 2C58H-2C5BH | 11353-11356 | 901 | 21 | | Watt hour (Quadrant 2), Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 2C5CH-2C5FH | 11357-11360 | 901 | 22 | | Watt hour (Quadrant 3), Secondary | +9,999,999,999,999,999 WH / 0 WH | 1 $W_H$ | F12 | R | |
| 2C60H-2C63H | 11361-11364 | 901 | 23 | | VA hour (Quadrant 1+2+3+4), Uncompensated, Secondary | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 2C64H-2C67H | 11365-11368 | 901 | 24 | | VAR hour (Quadrant 1+2), Uncompensated, Secondary | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 2C68H-2C6BH | 11369-11372 | 901 | 25 | | VAR hour (Quadrant 3+4), Uncompensated , Secondary | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 2C6CH-2C6FH | 11373-11376 | 901 | 26 | | Watt hour (Quadrant 1+4), Uncompensated, Secondary | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 2C70H-2C73H | 11377-11380 | 901 | 27 | | Watt hour (Quadrant 2+3), Uncompensated , Secondary | 9,999,999,999,999,999 / 0 | 1 | F12 | | |
| 2C74H-2C77H | 11381-11384 | 901 | 28 | | Q hour, positive, Secondary | Qh | 1 Qh | F12 | | |
| 2C78H-2C7BH | 11385-11388 | 901 | 29 | | Q hour, negative, Secondary | 9,999,999,999,999,999 Qh / 0 Qh | 1 Qh | F12 | | |
| | Reserved Block | | | | | | | | | |
| 2C7CH-2CF3H | 11389-11566 | | | | Reserved | | | | R | |
| | Frozen Energy - Internal Input Pulse Accumulation Readings | | | | | | | | | |
| 2CF4H-2CF7H | 11509-11512 | 903 | 0 | | Pulse Accumulation Internal Input 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2CF8H-2CFBH | 11513-11516 | 903 | 1 | | Pulse Accumulation Internal Input 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2CFCH-2CFFH | 11517-11520 | 903 | 2 | | Pulse Accumulation Internal Input 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D00H-2D03H | 11521-11524 | 903 | 3 | | Pulse Accumulation Internal Input 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D04H-2D07H | 11525-11528 | 903 | 4 | | Pulse Accumulation Internal Input 5 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D08H-2D0BH | 11529-11532 | 903 | 5 | | Pulse Accumulation Internal Input 6 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D0CH-2D0FH | 11533-11536 | 903 | 6 | | Pulse Accumulation Internal Input 7 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D10H-2D13H | 11537-11540 | 903 | 7 | | Pulse Accumulation Internal Input 8 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D14H-2D17H | 11541-11544 | 903 | 8 | | Pulse Accumulation Aggregation 1 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D18H-2D1BH | 11545-11548 | 903 | 9 | | Pulse Accumulation Aggregation 2 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D1CH-2D1FH | 11549-11552 | 903 | 10 | | Pulse Accumulation Aggregation 3 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |
| 2D20H-2D23H | 11553-11556 | 903 | 11 | | Pulse Accumulation Aggregation 4 | +/- 9,223,372,036,854,776,808 | 1 Unit | F62 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Frozen Energy - KYZ Output Accumulation Readings | | | | | | | | | |
| 2D24H-2D25H | 11557-11558 | 904 | 0 | | KYZ Output Accumulation, Relay 1 - Pulse 1 | 4,294,967,295 / 0 | | F18 | R | |
| 2D26H-2D27H | 11559-11560 | 904 | 1 | | KYZ Output Accumulation, Relay 2 - Pulse 2 | 4,294,967,295 / 0 | | F18 | R | |
| 2D28H-2D29H | 11561-11562 | 904 | 2 | | KYZ Output Accumulation, Relay 3 | 4,294,967,295 / 0 | | F18 | R | |
| 2D2AH-2D2BH | 11563-11564 | 904 | 3 | | KYZ Output Accumulation, Relay 4 | 4,294,967,295 / 0 | | F18 | R | |
| 2D2CH-2D2DH | 11565-11566 | 904 | 4 | | Reserved | 4,294,967,295 / 0 | | F18 | R | |
| | Frozen Energy - Scaled Energy Readings | | | | | | | | | |
| 2D2EH-2D2FH | 11567-11568 | 905 | 0 | | VA hour (Quadrant 1+2+3+4), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D30H-2D31H | 11569-11570 | 905 | 1 | | VAR hour (Quadrant 1+2), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D32H-2D33H | 11571-11572 | 905 | 2 | | VAR hour (Quadrant 2+3), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D34H-2D35H | 11573-11574 | 905 | 3 | | Watt hour (Quadrant 1+4) , Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D36H-2D37H | 11575-11576 | 905 | 4 | | VA hour (Quadrant 1), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D38H-2D39H | 11577-11578 | 905 | 5 | | VAR hour (Quadrant 1), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D3AH-2D3BH | 11579-11580 | 905 | 6 | | VA hour (Quadrant 4), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D3CH-2D3DH | 11581-11582 | 905 | 7 | | VAR hour (Quadrant 4), Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D3EH-2D3FH | 11583-11584 | 905 | 8 | | Watt hour (Quadrant 2+3), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D40H-2D41H | 11585-11586 | 905 | 9 | | VA hour (Quadrant 2), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D42H-2D43H | 11587-11588 | 905 | 10 | | VAR hour (Quadrant 2), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D44H-2D45H | 11589-11590 | 905 | 11 | | VA hour (Quadrant 3), Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D46H-2D47H | 11591-11592 | 905 | 12 | | VAR hour (Quadrant 3), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D48H-2D49H | 11593-11594 | 905 | 13 | | I2t Phase A, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D4AH-2D4BH | 11595-11596 | 905 | 14 | | I2t Phase B, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D4CH-2D4DH | 11597-11598 | 905 | 15 | | I2t Phase C, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D4EH-2D4FH | 11599-11600 | 905 | 16 | | V2t Phase A, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D50H-2D51H | 11601-11602 | 905 | 17 | | V2t Phase B, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D52H-2D53H | 11603-11604 | 905 | 18 | | V2t Phase C, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D54H-2D55H | 11605-11606 | 905 | 19 | | Watt hour (Quadrant 1), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D56H-2D57H | 11607-11608 | 905 | 20 | | Watt hour (Quadrant 4), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D58H-2D59H | 11609-11610 | 905 | 21 | | Watt hour (Quadrant 2), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D5AH-2D5BH | 11611-11612 | 905 | 22 | | Watt hour (Quadrant 3), Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D5CH-2D5DH | 11613-11614 | 905 | 23 | | VA hour (Quadrant 1+2+3+4), Uncompensated, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D5EH-2D5FH | 11615-11616 | 905 | 24 | | VAR hour (Quadrant 1+2), Uncompensated, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D60H-2D61H | 11617-11618 | 905 | 25 | | VAR hour (Quadrant 3+4), Uncompensated , Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D62H-2D63H | 11619-11620 | 905 | 26 | | Watt hour (Quadrant 1+4), Uncompensated, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D64H-2D65H | 11621-11622 | 905 | 27 | | Watt hour (Quadrant 2+3), Uncompensated , Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2D66H-2D67H | 11623-11624 | 905 | 28 | | Q hour, positive, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D68H-2D69H | 11625-11626 | 905 | 29 | | Q hour, negative, Scaled Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| | Frozen Energy - Scaled Internal Input Pulse Accumulation Readings | | | | | | | | | |
| 2D6AH-2D6BH | 11627-11628 | 906 | 0 | | Pulse Accumulation Inputs 1, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D6CH-2D6DH | 11629-11630 | 906 | 1 | | Pulse Accumulation Inputs 2, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D6EH-2D6FH | 11631-11632 | 906 | 2 | | Pulse Accumulation Inputs 3, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D70H-2D71H | 11633-11634 | 906 | 3 | | Pulse Accumulation Inputs 4, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D72H-2D73H | 11635-11636 | 906 | 4 | | Pulse Accumulation Inputs 5, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D74H-2D75H | 11637-11638 | 906 | 5 | | Pulse Accumulation Inputs 6, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D76H-2D77H | 11639-11640 | 906 | 6 | | Pulse Accumulation Inputs 7, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D78H-2D79H | 11641-11642 | 906 | 7 | | Pulse Accumulation Inputs 8, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D7AH-2D7BH | 11643-11644 | 906 | 8 | | Pulse Aggregations 1, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D7CH-2D7DH | 11645-11646 | 906 | 9 | | Pulse Aggregations 2, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D7EH-2D7FH | 11647-11648 | 906 | 10 | | Pulse Aggregations 3, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2D80H-2D81H | 11649-11650 | 906 | 11 | | Pulse Aggregations 4, Scaled | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| | Previous Block Window Average Block | | | | | | | | | |
| 2D82H-2D83H | 11651-11652 | 907 | 0 | 30 | Previous Maximum Block Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 2D84H-2D85H | 11653-11654 | 907 | 1 | 30 | Previous Maximum Block Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D86H-2D87H | 11655-11656 | 907 | 2 | 30 | Previous Maximum Block Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D88H-2D89H | 11657-11658 | 907 | 3 | 30 | Previous Maximum Block Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2D8AH-2D8BH | 11659-11660 | 907 | 4 | 30 | Previous Maximum Block Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2D8CH-2D8DH | 11661-11662 | 908 | 0 | 30 | Previous Minimum Block Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 2D8EH-2D8FH | 11663-11664 | 908 | 1 | 30 | Previous Minimum Block Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D90H-2D91H | 11665-11666 | 908 | 2 | 30 | Previous Minimum Block Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D92H-2D93H | 11667-11668 | 908 | 3 | 30 | Previous Minimum Block Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2D94H-2D95H | 11669-11670 | 908 | 4 | 30 | Previous Minimum Block Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2D96H-2D97H | 11671-11672 | 909 | 0 | 30 | Coin. Block Window Average VAR for Previous Maximum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D98H-2D99H | 11673-11674 | 909 | 1 | 30 | Coin. Block Window Average VAR for Previous Maximum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D9AH-2D9BH | 11675-11676 | 909 | 2 | 30 | Coin. Block Window Average VAR for Previous Minimum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D9CH-2D9DH | 11677-11678 | 909 | 3 | 30 | Coin. Block Window Average VAR for Previous Minimum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2D9EH-2DA1H | 11679-11682 | 910 | 0 | 50 | Previous Maximum Block Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2DA2H-2DA5H | 11683-11686 | 910 | 1 | 50 | Previous Maximum Block Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DA6H-2DA9H | 11687-11690 | 910 | 2 | 50 | Previous Maximum Block Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DAAH-2DADH | 11691-11694 | 910 | 3 | 50 | Previous Maximum Block Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DAEH-2DB1H | 11695-11698 | 910 | 4 | 50 | Previous Maximum Block Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DB2H-2DB5H | 11699-11702 | 911 | 0 | 50 | Previous Minimum Block Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DB6H-2DB9H | 11703-11706 | 911 | 1 | 50 | Previous Minimum Block Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DBAH-2DBDH | 11707-11710 | 911 | 2 | 50 | Previous Minimum Block Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DBEH-2DC1H | 11711-11714 | 911 | 3 | 50 | Previous Minimum Block Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DC2H-2DC5H | 11715-11718 | 911 | 4 | 50 | Previous Minimum Block Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DC6H-2DC7H | 11719-11720 | 912 | 0 | 30 | Previous Maximum Block Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 2DC8H-2DC9H | 11721-11722 | 912 | 1 | 30 | Previous Maximum Block Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 2DCAH-2DCBH | 11723-11724 | 913 | 0 | 30 | Previous Minimum Block Window Average + Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 2DCCH-2DCDH | 11725-11726 | 913 | 1 | 30 | Previous Minimum Block Window Average - Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 2DCEH-2DD1H | 11727-11730 | 914 | 0 | 50 | Previous Maximum Block Window + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 2DD2H-2DD5H | 11731-11734 | 914 | 1 | 50 | Previous Maximum Block Window - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 2DD6H-2DD9H | 11735-11738 | 915 | 0 | 50 | Previous Minimum Block Window + Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 2DDAH-2DDDH | 11739-11742 | 915 | 1 | 50 | Previous Minimum Block Window - Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| | Previous Rolling Window Block | | | | | | | | | |
| 2DDEH-2DDFH | 11743-11744 | 916 | 0 | 30 | Previous Maximum Rolling Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 2DE0H-2DE1H | 11745-11746 | 916 | 1 | 30 | Previous Maximum Rolling Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DE2H-2DE3H | 11747-11748 | 916 | 2 | 30 | Previous Maximum Rolling Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DE4H-2DE5H | 11749-11750 | 916 | 3 | 30 | Previous Maximum Rolling Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2DE6H-2DE7H | 11751-11752 | 916 | 4 | 30 | Previous Maximum Rolling Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2DE8H-2DE9H | 11753-11754 | 917 | 0 | 30 | Previous Minimum Rolling Window Average VA | +32767 VA / 0 VA | 1/ 65536 VA sec | F7 | R | 9 |
| 2DEAH-2DEBH | 11755-11756 | 917 | 1 | 30 | Previous Minimum Rolling Window Average Positive VAR | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DECH-2DEDH | 11757-11758 | 917 | 2 | 30 | Previous Minimum Rolling Window Average Negative VAR | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DEEH-2DEFH | 11759-11760 | 917 | 3 | 30 | Previous Minimum Rolling Window Average Positive Watt | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2DF0H-2DF1H | 11761-11762 | 917 | 4 | 30 | Previous Minimum Rolling Window Average Negative Watt | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2DF2H-2DF3H | 11763-11764 | 918 | 0 | 30 | Coin. Rolling Window Average VAR for Previous Maximum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DF4H-2DF5H | 11765-11766 | 918 | 1 | 30 | Coin. Rolling Window Average VAR for Previous Maximum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DF6H-2DF7H | 11767-11768 | 918 | 2 | 30 | Coin. Rolling Window Average VAR for Previous Minimum Positive Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DF8H-2DF9H | 11769-11770 | 918 | 3 | 30 | Coin. Rolling Window Average VAR for Previous Minimum Negative Watt | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2DFAH-2DFDH | 11771-11774 | 919 | 0 | | Previous Maximum Rolling Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2DFEH-2E01H | 11775-11778 | 919 | 1 | | Previous Maximum Rolling Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E02H-2E05H | 11779-11782 | 919 | 2 | | Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E06H-2E09H | 11783-11786 | 919 | 3 | | Previous Maximum Rolling Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E0AH-2E0DH | 11787-11790 | 919 | 4 | | Previous Maximum Rolling Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E0EH-2E11H | 11791-11794 | 920 | 0 | | Previous Minimum Rolling Window Average VA Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E12H-2E15H | 11795-11798 | 920 | 1 | | Previous Minimum Rolling Window Average Positive VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E16H-2E19H | 11799-11802 | 920 | 2 | | Previous Minimum Rolling Window Average Negative VAR Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E1AH-2E1DH | 11803-11806 | 920 | 3 | | Previous Minimum Rolling Window Average Positive Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E1EH-2E21H | 11807-11810 | 920 | 4 | | Previous Minimum Rolling Window Average Negative Watt Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | 1 |
| 2E22H-2E25H | 11811-11814 | 921 | 0-1 | | Previous Maximum Rolling Window Average +/- Q | +32767 Q / -32768 Q | 1/65536 Q sec | F7 | | |
| 2E26H-2E29H | 11815-11818 | 922 | 0-1 | | Previous Minimum Rolling Window Average +/- Q | +32767 Q / -32768 Q | sec | F7 | | |
| 2E2AH-2E31H | 11819-11826 | 923 | 0-1 | | Previous Maximum Rolling Window Average +/- Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E32H-2E39H | 11827-11834 | 924 | 0-1 | | Previous Minimum Rolling Window Average +/- Q Time Stamps | 12/31/9999 23:59:59.99 | | F3 | | |
| | Previous Scaled Energy Block | | | | | | | | | |
| 2E3AH-2E3BH | 11835-11836 | 925 | 0 | 20 | Previous Total VAh (Quadrant 1+2+3+4) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E3CH-2E3DH | 11837-11838 | 925 | 1 | 20 | Previous Positive VARh (Quadrant 1+2) Scaled Priamry | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E3EH-2E3FH | 11839-11840 | 925 | 2 | 20 | Prevoius Negative VARh (Quadrant 3+4) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E40H-2E41H | 11841-11842 | 926 | 0 | 20 | Previous Positive Wh (Quadrant 1+4) Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E42H-2E43H | 11843-11844 | 926 | 1 | 20 | Previous Quadrant 1 VAh Scaled Primary | 999999999 / 0) | $10^{6}$ - $10^{-7}$ | F64 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 2E44H-2E45H | 11845-11846 | 926 | 2 | 20 | Previous Quadrant 1 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E46H-2E47H | 11847-11848 | 926 | 3 | 20 | Previous Quadrant 4 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E48H-2E49H | 11849-11850 | 926 | 4 | 20 | Previous Quadrant 4 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E4AH-2E4BH | 11851-11852 | 926 | 5 | 20 | Previous Negative Wh (Quadrant 2+3) Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E4CH-2E4DH | 11853-11854 | 926 | 6 | 20 | Previous Quadrant 2 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E4EH-2E4FH | 11855-11856 | 926 | 7 | 20 | Previous Quadrant 2 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E50H-2E51H | 11857-11858 | 926 | 8 | 20 | Previous Quadrant 3 VAh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E52H-2E53H | 11859-11860 | 926 | 9 | 20 | Previous Quadrant 3 VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E54H-2E55H | 11861-11862 | 927 | 0 | 20 | Prevoius I2t Phase A Scaled Priamry | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E56H-2E57H | 11863-11864 | 927 | 1 | 20 | Previous I2t Phase B Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E58H-2E59H | 11865-11866 | 927 | 2 | 20 | Previous I2t Phase C Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E5AH-2E5BH | 11867-11868 | 927 | 3 | 20 | Previous V2t Phase A Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E5CH-2E5DH | 11869-11870 | 927 | 4 | 20 | Previous V2t Phase B Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E5EH-2E5FH | 11871-11872 | 927 | 5 | 20 | Previous V2t Phase C Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E60H-2E61H | 11873-11874 | 928 | 0 | 20 | Previous Quadrant 1 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E62H-2E63H | 11875-11876 | 928 | 1 | 20 | Previous Quadrant 4 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E64H-2E65H | 11877-11878 | 928 | 2 | 20 | Previous Quadrant 2 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E66H-2E67H | 11879-11880 | 928 | 3 | 20 | Prevoius Quadrant 3 Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E68H-2E69H | 11881-11882 | 929 | 0 | 20 | Prevoius Uncompensated Total VAh, Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E6AH-2E6BH | 11883-11884 | 929 | 1 | 20 | Previous Uncompensated + VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E6CH-2E6DH | 11885-11886 | 929 | 2 | | Previous Uncompensated - VARh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E6EH-2E6FH | 11887-11888 | 929 | 3 | 20 | Previous Uncompensated + Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E70H-2E71H | 11889-11890 | 929 | 4 | | Previous Uncompensated - Wh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E72H-2E73H | 11891-11892 | 930 | 0 | 20 | Previous + Qh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| 2E74H-2E75H | 11893-11894 | 930 | 1 | | Previous - Qh Scaled Primary | variable (9999 through 999999999 / 0) | variable $10^{6}$ - $10^{-7}$ | F64 | | |
| | One Second Three Phase Mean RMS Block | | | | | | | | | |
| 2E76H-2E77H | 11895-11896 | 931 | 0 | 30 | One Second Three Phase Mean RMS Vpn | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | |
| 2E78H-2E79H | 11897-11898 | 932 | 0 | 30 | One Second Three Phase Mean RMS Amp | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| 2E7AH-2E7BH | 11899-11900 | 933 | 0 | 30 | One Second Three Phase Mean RMS Vpp | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | |

| | Block Window Max/Min and 10 Minute Mean THD Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2E7CH-2E7FH | 11901-11904 | 934 | 0 | 50 | Block Window Max/Min and 10 Minute Mean THD Block Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E80H-2E83H | 11905-11908 | 934 | 1 | 50 | Block Window Max./Min Interval 1 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E84H-2E87H | 11909-11912 | 934 | 2 | 50 | Block Window Max/Min Interval 2 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E88H-2E8BH | 11913-11916 | 934 | 3 | 50 | Block Window Max Interval 1 Three Phase Mean RMS Vpn Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E8CH-2E8FH | 11917-11920 | 934 | 4 | 50 | Block Window Max Interval 1 Three Phase Mean RMS Amp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E90H-2E93H | 11921-11924 | 934 | 5 | 50 | Block Window Max Interval 1 Three Phase Mean RMS Vpp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E94H-2E97H | 11925-11928 | 934 | 6 | 50 | Block Window Max Interval 1 VAR Q1+2 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E98H-2E9BH | 11929-11932 | 934 | 7 | 50 | Block Window Max Interval 1 VAR Q3+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2E9CH-2E9FH | 11933-11936 | 934 | 8 | 50 | Block Window Max Interval 1 W Q1+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EA0H-2EA3H | 11937-11940 | 934 | 9 | 50 | Block Window Max Interval 1 W Q2+3 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EA4H-2EA7H | 11941-11944 | 934 | 10 | 50 | Block Window Max Interval 2 Three Phase Mean RMS Vpn Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EA8H-2EABH | 11945-11948 | 934 | 11 | 50 | Block Window Max Interval 2 Three Phase Mean RMS Amp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EACH-2EAFH | 11949-11952 | 934 | 12 | 50 | Block Window Max Interval 2 Three Phase Mean RMS Vpp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EB0H-2EB3H | 11953-11956 | 934 | 13 | 50 | Block Window Max Interval 2 VAR Q1+2 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EB4H-2EB7H | 11957-11960 | 934 | 14 | 50 | Block Window Max Interval 2 VAR Q3+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EB8H-2EBBH | 11961-11964 | 934 | 15 | 50 | Block Window Max Interval 2 W Q1+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EBCH-2EBFH | 11965-11968 | 934 | 16 | 50 | Block Window Max Interval 2 W Q2+3 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EC0H-2EC3H | 11969-11972 | 934 | 17 | 50 | Block Window Min Interval 1 Three Phase Mean RMS Vpn Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EC4H-2EC7H | 11973-11976 | 934 | 18 | 50 | Block Window Min Interval 1 Three Phase Mean RMS Amp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EC8H-2ECBH | 11977-11980 | 934 | 19 | 50 | Block Window Min Interval 1 Three Phase Mean RMS Vpp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2ECCH-2ECFH | 11981-11984 | 934 | 20 | 50 | Block Window Min Interval 1 VAR Q1+2 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2ED0H-2ED3H | 11985-11988 | 934 | 21 | 50 | Block Window Min Interval 1 VAR Q3+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2ED4H-2ED7H | 11989-11992 | 934 | 22 | 50 | Block Window Min Interval 1 W Q1+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2ED8H-2EDBH | 11993-11996 | 934 | 23 | 50 | Block Window Min Interval 1 W Q2+3 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EDCH-2EDFH | 11997-12000 | 934 | 24 | 50 | Block Window Min Interval 2 Three Phase Mean RMS Vpn Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EE0H-2EE3H | 12001-12004 | 934 | 25 | 50 | Block Window Min Interval 2 Three Phase Mean RMS Amp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EE4H-2EE7H | 12005-12008 | 934 | 26 | 50 | Block Window Min Interval 2 Three Phase Mean RMS Vpp Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EE8H-2EEBH | 12009-12012 | 934 | 27 | 50 | Block Window Min Interval 2 VAR Q1+2 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EECH-2EEFH | 12013-12016 | 934 | 28 | 50 | Block Window Min Interval 2 VAR Q3+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EF0H-2EF3H | 12017-12020 | 934 | 29 | 50 | Block Window Min Interval 2 W Q1+4 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EF4H-2EF7H | 12021-12024 | 934 | 30 | 50 | Block Window Min Interval 2 W Q2+3 Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EF8H-2EFBH | 12025-12028 | 934 | 31 | 50 | 10 Minute Mean THD Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2EFCH | 12029 | 935 | 0 | 30 | 10 Minute Mean THD Van/Vab | +327.67% / -327.68% | 0.01% | F10 | R | |
| 2EFDH | 12030 | 935 | 1 | 30 | 10 Minute Mean THD Vbn/Vbc | +327.67% / -327.68% | 0.01% | F10 | R | |
| 2EFEH | 12031 | 935 | 2 | 30 | 10 Minute Mean THD Vcn/Vca | +327.67% / -327.68% | 0.01% | F10 | R | |
| 2EFFH | 12032 | 936 | 0 | 30 | 10 Minute Mean THD Ia | +327.67% / -327.68% | 0.01% | F10 | R | |
| 2F00H | 12033 | 936 | 1 | 30 | 10 Minute Mean THD Ib | +327.67% / -327.68% | 0.01% | F10 | R | |
| 2F01H | 12034 | 936 | 2 | 30 | 10 Minute Mean THD Ic | +327.67% / -327.68% | 0.01% | F10 | R | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2F02H-2F03H | 12035-12036 | 937 | 0 | 30 | Block Window Max Interval 1 Mean Vpn | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F04H-2F05H | 12037-12038 | 938 | 0 | 30 | Block Window Max Interval 1 Mean Amp | + 32767 A / 0 A | A sec | F7 | R | 6 |
| 2F06H-2F07H | 12039-12040 | 939 | 0 | 30 | Block Window Max Interval 1 Mean Vpp | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F08H-2F09H | 12041-12042 | 940 | 0 | 30 | Block Window Max Interval 1 VAR Q1+2 | +32767 VAR / 0 VAR | VAR sec | F7 | R | 9 |
| 2F0AH-2F0BH | 12043-12044 | 940 | 1 | 30 | Block Window Max Interval 1 VAR Q3+4 | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F0CH-2F0DH | 12045-12046 | 940 | 2 | 30 | Block Window Max Interval 1 W Q1+4 | +32767 W /0 W | W sec | F7 | R | 9 |
| 2F0EH-2F0FH | 12047-12048 | 940 | 3 | 30 | Block Window Max Interval 1 W Q2+3 | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F10H-2F11H | 12049-12050 | 941 | 0 | 30 | Block Window Max Interval 2 Mean Vpn | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F12H-2F13H | 12051-12052 | 942 | 0 | 30 | Block Window Max Interval 2 Mean Amp | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 2F14H-2F15H | 12053-12054 | 943 | 0 | 30 | Block Window Max Interval 2 Mean Vpp | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F16H-2F17H | 12055-12056 | 944 | 0 | 30 | Block Window Max Interval 2 VAR Q1+2 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F18H-2F19H | 12057-12058 | 944 | 1 | 30 | Block Window Max Interval 2 VAR Q3+4 | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F1AH-2F1BH | 12059-12060 | 944 | 2 | 30 | Block Window Max Interval 2 W Q1+4 | +32767 W /0 W | W sec | F7 | R | 9 |
| 2F1CH-2F1DH | 12061-12062 | 944 | 3 | 30 | Block Window Max Interval 2 W Q2+3 | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F1EH-2F1FH | 12063-12064 | 945 | 0 | 30 | Block Window Min Interval 1 Mean Vpn | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F20H-2F21H | 12065-12066 | 946 | 0 | 30 | Block Window Min Interval 1 Mean Amp | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 2F22H-2F23H | 12067-12068 | 947 | 0 | 30 | Block Window Min Interval 1 Mean Vpp | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F24H-2F25H | 12069-12070 | 948 | 0 | 30 | Block Window Min Interval 1 VAR Q1+2 | +32767 VAR / 0 VAR | VAR sec | F7 | R | 9 |
| 2F26H-2F27H | 12071-12072 | 948 | 1 | 30 | Block Window Min Interval 1 VAR Q3+4 | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F28H-2F29H | 12073-12074 | 948 | 2 | 30 | Block Window Min Interval 1 W Q1+4 | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F2AH-2F2BH | 12075-12076 | 948 | 3 | 30 | Block Window Min Interval 1 W Q2+3 | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F2CH-2F2DH | 12077-12078 | 949 | 0 | 30 | Block Window Min Interval 2 Mean Vpn | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F2EH-2F2FH | 12079-12080 | 950 | 0 | 30 | Block Window Min Interval 2 Mean Amp | + 32767 A / 0 A | 1/ 65536 A sec | F7 | R | 6 |
| 2F30H-2F31H | 12081-12082 | 951 | 0 | 30 | Block Window Min Interval 2 Mean Vpp | + 32767 V / 0 V | 1/ 65536 V sec | F7 | R | 5 |
| 2F32H-2F33H | 12083-12084 | 952 | 0 | 30 | Block Window Min Interval 2 VAR Q1+2 | +32767 VAR / 0 VAR | 1/ 65536 VAR sec | F7 | R | 9 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2F34H-2F35H | 12085-12086 | 952 | 1 | 30 | Block Window Min Interval 2 VAR Q3+4 | 0 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F36H-2F37H | 12087-12088 | 952 | 2 | 30 | Block Window Min Interval 2 W Q1+4 | +32767 W /0 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F38H-2F39H | 12089-12090 | 952 | 3 | 30 | Block Window Min Interval 2 W Q2+3 | 0 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F3AH-2F3DH | 12091-12094 | 953 | 0 | 50 | Block Window Max Interval 1 Overall VAR Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F3EH-2F41H | 12095-12098 | 953 | 1 | 50 | Block Window Max Interval 1 Overall W Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F42H-2F45H | 12099-12102 | 953 | 2 | 50 | Block Window Max Interval 2 Overall VAR Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F46H-2F49H | 12103-12106 | 953 | 3 | 50 | Block Window Max Interval 2 Overall W Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F4AH-2F4DH | 12107-12110 | 953 | 4 | 50 | Block Window Min Interval 1 Overall VAR Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F4EH-2F51H | 12111-12114 | 953 | 5 | 50 | Block Window Min Interval 1 Overall W Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F52H-2F55H | 12115-12118 | 953 | 6 | 50 | Block Window Min Interval 2 Overall VAR Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F56H-2F59H | 12119-12122 | 953 | 7 | 50 | Block Window Min Interval 2 Overall W Timestamp | 12/31/9999 23:59:59.99 | | F3 | | |
| 2F5AH-2F5BH | 12123-12124 | 954 | 0 | 30 | Block Window Max Interval 1 Overall VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F5CH-2F5DH | 12125-12126 | 954 | 1 | 30 | Block Window Max Interval 1 Overall W | +32767 W / -32768 W | W sec | F7 | R | 9 |
| 2F5EH-2F5FH | 12127-12128 | 954 | 2 | 30 | Block Window Max Interval 2 Overall VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F60H-2F61H | 12129-12130 | 954 | 3 | 30 | Block Window Max Interval 2 Overall W | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F62H-2F63H | 12131-12132 | 954 | 4 | 30 | Block Window Min Interval 1 Overall VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F64H-2F65H | 12133-12134 | 954 | 5 | 30 | Block Window Min Interval 1 Overall W | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| 2F66H-2F67H | 12135-12136 | 954 | 6 | 30 | Block Window Min Interval 2 Overall VAR | +32767 VAR / -32768 VAR | 1/ 65536 VAR sec | F7 | R | 9 |
| 2F68H-2F69H | 12137-12138 | 954 | 7 | 30 | Block Window Min Interval 2 Overall W | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | 9 |
| | Coincident Power Factor | | | | | | | | | |
| 2F6CH | 12141 | 1232 | 0 | | Coincident Block Window Average PF for Maximum +W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F6DH | 12142 | 1232 | 1 | | Coincident Block Window Average PF for Maximum -W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F6EH | 12143 | 1232 | 2 | | Coincident Block Window Average PF for Minimum +W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F6FH | 12144 | 1232 | 3 | | Coincident Block Window Average PF for Minimum -W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F74H | 12149 | 1234 | 0 | | Previous Coinc. Block Window Average PF for Maximum +W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F75H | 12150 | 1234 | 1 | | Previous Coinc. Block Window Average PF for Maximum -W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F76H | 12151 | 1234 | 2 | | Previous Coinc. Block Window Average PF for Minimum +W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| 2F77H | 12152 | 1234 | 3 | | Previous Coinc. Block Window Average PF for Minimum -W | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| | Enhanced Factory Settings Block | | | | | | | | | |
| 4000H-4007H | 16385-16392 | | | | Hardware Options (16 bytes) | | | | R | |
| 4008H-400BH | 16393-16396 | | | | Serial Numbers (8 bytes, binary numbers) | | | | R | |
| 400CH-400FH | 16397-16400 | | | | Reserved | | | | R | |
| 4010H-4017H | 16401-16408 | | | | OEM Model String | | | | R | |
| 4018H-403FH | 16408-16448 | | | | Reserved | | | | R | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Profile Update Failure Error Reporting Block | | | | | | | | | |
| 4040H-4043H | 16449-16452 | | | | Timestamp of running config_dsp_parameter app | | | | R | |
| 4044H-4063H | 16453-16484 | | | | First 32 invalid setting modbus registers' address detected by config_dsp_parameter app | | | | R | |
| 4064H-4083H | 16485-16516 | | | | Reserved, provide bitmask in the future | | | | R | |
| 4084H-4087H | 16517-16520 | | | | Timestamp of running config_sys_profile app | | | | R | |
| 4088H-40A7H | 16521-16552 | | | | First 32 invalid setting modbus registers' address detected by config_sys_profile app | | | | R | |
| 40A8H-40C7H | 16553-16584 | | | | Reserved, provide bitmask in the future | | | | R | |
| 40C8H-40CBH | 16585-16588 | | | | Timestamp of running config_network_interface app | | | | R | |
| 40CCH-40EBH | 16589-16620 | | | | First 32 invalid setting modbus registers' address detected by config_network_interface app | | | | R | |
| 40ECH-410BH | 16621-16652 | | | | Reserved, provide bitmask in the future | | | | R | |
| 410CH-410FH | 16653-16656 | | | | Reserved | | | | R | |
| 4110H-5FFFH | 16657-24576 | | | | Undefined | | | | R | |
| | Enhanced Programmable Settings Block 2 (Range: 6000H-7FFFH) | | | | | | | | | |
| | Nexus 15xx Master RTU (Function Code 0x03 Only) Group Labels | | | | | | | | | |
| 6000H-61FFH | 24577-25088 | | | | Group Label[0]<br>Group Label[1]<br>...<br>Group Label[127] | | | | | |
| 6200H-63FFH | 25089-25600 | | | | Item Label[0]<br>Item Label[1]<br>...<br>Item Label[127] | | | | | |
| 6400H-64FFH | 25601-25856 | | | | Item Descriptor[0]<br>Item Descriptor[1]<br>...<br>Item Descriptor[127] | | | | | |
| 6500H-65FFH | 25857-26112 | | | | Item Limit[0] Setpoint 1<br>Item Limit[0] Setpoint 2<br>Item Limit[1] Setpoint 1<br>Item Limit[1] Setpoint 2<br>...<br>Item Limit[31] Setpoint 1<br>Item Limit[31] Setpoint 2 | | | | | |
| 6600H-67FFH | 26111-26624 | | | | Undefined | | | | | |
| 6800H-689FH | 26625-26784 | | | | Reserved | | | | | |
| 68A0H-68A1H | 26785-26786 | | | | 1st Digital Input Option board (Slot 3) chn 01 rollover settings | | | | | |
| 68A2H-68A3H | 26787-26788 | | | | settings | | | | | |
| 68A4H-68A5H | 26789-26790 | | | | 1st Digital Input Option board (Slot 3) chn 03 rollover settings | | | | | |
| 68A6H-68A7H | 26791-26792 | | | | 1st Digital Input Option board (Slot 3) chn 04 rollover settings | | | | | |
| 68A8H-68A9H | 26793-26794 | | | | 1st Digital Input Option board (Slot 3) chn 05 rollover settings | | | | | |
| 68AAH-68ABH | 26795-26796 | | | | settings | | | | | |
| 68ACH-68ADH | 26797-26798 | | | | 1st Digital Input Option board (Slot 3) chn 07 rollover settings | | | | | |
| 68AEH-68AFH | 26799-26800 | | | | 1st Digital Input Option board (Slot 3) chn 08 rollover settings | | | | | |
| 68B0H-68B1H | 26801-26802 | | | | 1st Digital Input Option board (Slot 3) chn 09 rollover settings | | | | | |
| 68B2H-68B3H | 26803-26804 | | | | 1st Digital Input Option board (Slot 3) chn 10 rollover settings | | | | | |
| 68B4H-68B5H | 26805-26806 | | | | 1st Digital Input Option board (Slot 3) chn 11 rollover settings | | | | | |
| 68B6H-68B7H | 26807-26808 | | | | 1st Digital Input Option board (Slot 3) chn 12 rollover settings | | | | | |
| 68B8H-68B9H | 26809-26810 | | | | settings | | | | | |
| 68BAH-68BBH | 26811-26812 | | | | 1st Digital Input Option board (Slot 3) chn 14 rollover settings | | | | | |
| 68BCH-68BDH | 26813-26814 | | | | 1st Digital Input Option board (Slot 3) chn 15 rollover settings | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 68BEH-68BFH | 26815-26816 | | | | 1st Digital Input Option board (Slot 3) chn 16 rollover settings | | | | | |
| 68C0H-68C1H | 26817-26818 | | | | 2nd Digital Input Option board (Slot 4) chn 01 rollover settings | | | | | |
| 68C2H-68C3H | 26819-26820 | | | | settings | | | | | |
| 68C4H-68C5H | 26821-26822 | | | | 2nd Digital Input Option board (Slot 4) chn 03 rollover settings | | | | | |
| 68C6H-68C7H | 26823-26824 | | | | 2nd Digital Input Option board (Slot 4) chn 04 rollover settings | | | | | |
| 68C8H-68C9H | 26825-26826 | | | | 2nd Digital Input Option board (Slot 4) chn 05 rollover settings | | | | | |
| 68CAH-68CBH | 26827-26828 | | | | 2nd Digital Input Option board (Slot 4) chn 06 rollover settings | | | | | |
| 68CCH-68CDH | 26829-26830 | | | | 2nd Digital Input Option board (Slot 4) chn 07 rollover settings | | | | | |
| 68CEH-68CFH | 26831-26832 | | | | settings | | | | | |
| 68D0H-68D1H | 26833-26834 | | | | 2nd Digital Input Option board (Slot 4) chn 09 rollover settings | | | | | |
| 68D2H-68D3H | 26835-26836 | | | | 2nd Digital Input Option board (Slot 4) chn 10 rollover settings | | | | | |
| 68D4H-68D5H | 26837-26838 | | | | 2nd Digital Input Option board (Slot 4) chn 11 rollover settings | | | | | |
| 68D6H-68D7H | 26839-26840 | | | | 2nd Digital Input Option board (Slot 4) chn 12 rollover settings | | | | | |
| 68D8H-68D9H | 26841-26842 | | | | 2nd Digital Input Option board (Slot 4) chn 13 rollover settings | | | | | |
| 68DAH-68DBH | 26843-26844 | | | | 2nd Digital Input Option board (Slot 4) chn 14 rollover settings | | | | | |
| 68DCH-68DDH | 26845-26846 | | | | 2nd Digital Input Option board (Slot 4) chn 15 rollover settings | | | | | |
| 68DEH-68DFH | 26847-26848 | | | | 2nd Digital Input Option board (Slot 4) chn 16 rollover settings | | | | | |
| 68E0H-6FFFH | 26849-28672 | | | | Reserved | | | | | |

| | Nexus 15xx Interval Log Settings Block | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7000H-707FH | 28673-28800 | | | | Interval Log 3 Item[0]: Line, Pointer<br>Interval Log 3 Item[1]: Line, Pointer<br>...<br>Interval Log 3 Item[63]: Line, Pointer | | | | | |
| 7080H-70FFH | 28801-28928 | | | | Interval Log 4 Item[0]: Line, Pointer<br>Interval Log 4 Item[1]: Line, Pointer<br>...<br>Interval Log 4 Item[63]: Line, Pointer | | | | | |
| 7100H-717FH | 28929-29056 | | | | Interval Log 5 Item[0]: Line, Pointer<br>Interval Log 5 Item[1]: Line, Pointer<br>...<br>Interval Log 5 Item[63]: Line, Pointer | | | | | |
| 7180H-71FFH | 29057-29184 | | | | Interval Log 6 Item[0]: Line, Pointer<br>Interval Log 6 Item[1]: Line, Pointer<br>...<br>Interval Log 6 Item[63]: Line, Pointer | | | | | |
| 7200H-727FH | 29185-29312 | | | | Interval Log 7 Item[0]: Line, Pointer<br>Interval Log 7 Item[1]: Line, Pointer<br>...<br>Interval Log 7 Item[63]: Line, Pointer | | | | | |
| 7280H-72FFH | 29313-29440 | | | | Interval Log 8 Item[0]: Line, Pointer<br>Interval Log 8 Item[1]: Line, Pointer<br>...<br>Interval Log 8 Item[63]: Line, Pointer | | | | | |
| 7300HH | 29441 | | | | Interval Log 3 Interval | | | | | |
| 7301HH | 29442 | | | | Interval Log 4 Interval | | | | | |
| 7302HH | 29443 | | | | Interval Log 3 Record Size | | | | | |
| 7303HH | 29444 | | | | Interval Log 4 Record Size | | | | | |
| 7304HH | 29445 | | | | Interval Log 5 Interval | | | | | |
| 7305HH | 29446 | | | | Interval Log 6 Interval | | | | | |
| 7306HH | 29447 | | | | Interval Log 5 Record Size | | | | | |
| 7307HH | 29448 | | | | Interval Log 6 Record Size | | | | | |
| 7308HH | 29449 | | | | Interval Log 7 Interval | | | | | |
| 7309HH | 29450 | | | | Interval Log 8 Interval | | | | | |
| 730AHH | 29451 | | | | Interval Log 7 Record Size | | | | | |
| 730BHH | 29452 | | | | Interval Log 8 Record Size | | | | | |
| 730CH-748BH | 29453-29836 | | | | Reserved | | | | | |
| 748CH-750BH | 29837-29964 | | | | Event Triggered Log Item[0]: Line, Pointer<br>Event Triggered Log Item[1]: Line, Pointer<br>...<br>Event Triggered Log Item[63]: Line, Pointer | | | | | |
| 750CH-754BH | 29965-30028 | | | | Reserved | | | | | |
| 754CH | 30029 | | | | MSB<br>Byte[1]: Event Triggered Log Internal Input ID<br>Byte[0]: Reserved | | | | | |
| 754DH | 30030 | | | | MSB<br>Byte[1]: Reserved<br>Byte[0]: Event Triggered Log Enabled | | | | | |
| 754EH | 30031 | | | | Event Triggered Log Recording Speed | | | | | |
| 754FH | 30032 | | | | Event Triggered Log Recoding Duration | | | | | |
| 7550H | 30033 | | | | Event Triggered Log Record Size | | | | | |
| 7551H | 30034 | | | | Event Triggered Log Multiple Sequence | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 7552H | 30035 | | | | MSB first<br>Byte[1]: undefined<br>Byte[0]: bit 7 - 2 - reserved<br>bit 1 - 0 - disable TLC when all current are zero<br>= 00 = NO<br>= 01 = YES<br>= 10 = YES<br>= 11 = NO | | | | | |
| 7553H | 30036 | | | | Reserved | | | | | |
| | Waveform Voltage Envolope Wave Shape Threshold | | | | | | | | | |
| 7554H-756BH | 3003730060 | | | | Reserved | | | | | |
| | Waveform Current Change of Rate Threshold | | | | | | | | | |
| 756CH-756FH | 30061-30064 | | | | Reserved | | | | | |
| | Waveform Capture Rules | | | | | | | | | |
| 7570H-7571H | 30065-30066 | | | | Waveform Capture Window Amount<br>0 = 1 capture<br>1 = 2 capture<br>...<br>65535 = 65536 capture<br>>65535 = 1 capture | | | | | |
| 7572H-7573H | 30067-30068 | | | | Reserved | | | | | |
| 7574H | 30069 | | | | Waveform samples/cycles @60Hz<br>0 = 16<br>1 = 32<br>2 = 64<br>3 = 128<br>4 = 256<br>5 = 512<br>6 = 1024<br>>6= 1024 | | | | | |
| 7575H | 30070 | | | | MSB<br>Byte[1]: Waveform Pre Trigger (>=1 <=179)<br>Byte[0]: Waveform Post Trigger (>=1 <=179 | | | | | |
| 7576H | 30071 | | | | Waveform Digital Input Triggers (MSB)<br>Byte[1]: Undefined<br>Byte[0]: Bit [7] = Input 8<br>Bit [6] = Input 7<br>Bit [5] = Input 6<br>Bit [4] = Input 5<br>Bit [3] = Input 4<br>Bit [2] = Input 3<br>Bit [1] = Input 2<br>Bit [0 ]= Input 1 | | | | | |
| 7577H | 30072 | | | | Reserved | | | | | |
| | Waveform Transient | | | | | | | | | |
| 7578H | 30073 | | | | Voltage A Threshold % of full scale | +6553.5% / -6553.5% | 0.1% | | | |
| 7579H | 30074 | | | | Voltage B Threshold % of full scale | +6553.5% / -6553.5% | 0.1% | | | |
| 757AH | 30075 | | | | Voltage C Threshold % of full scale | +6553.5% / -6553.5% | 0.1% | | | |
| 757BH | 30076 | | | | Mode/Enable(MSB)<br>Bit[15]-Bit[11]: Reserved<br>Bit[10]: Transien Enable - Channel Vc<br>Bit[9]: Transien Enable - Channel Vb<br>Bit[8]: Transien Enable - Channel Va<br>Bit[7]-Bit[2]: Reserved<br>Bit[1]: Transient Mode: 0=PH-N, 1=PH-PH<br>Bit[0]: Transient Mode: 0=Disabled, 1=Enabled | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Waveform Transient Settings | | | | | | | | | |
| 757CH | 30077 | | | | Number Maximum of Channel | | | | | |
| 757DH | 30078 | | | | Channel 1 Number | | | | | |
| 757EH | 30079 | | | | Channel 2 Number | | | | | |
| 757FH | 30080 | | | | Channel 3 Number | | | | | |
| 7580H | 30081 | | | | Channel 4 Number | | | | | |
| 7581H | 30082 | | | | Channel 5 Number | | | | | |
| 7582H | 30083 | | | | Channel 6 Number | | | | | |
| 7583H | 30084 | | | | Channel 7 Number | | | | | |
| 7584H | 30085 | | | | Channel 8 Number | | | | | |
| 7585H | 30086 | | | | Channel 9 Number | | | | | |
| 7586H | 30087 | | | | Channel 10 Number | | | | | |
| 7587H | 30088 | | | | Channel 11 Number | | | | | |
| 7588H | 30089 | | | | Channel 12 Number | | | | | |
| 7589H | 30090 | | | | Channel 13 Number | | | | | |
| 758AH | 30091 | | | | Channel 14 Number | | | | | |
| 758BH | 30092 | | | | Channel 15 Number | | | | | |
| 758CH | 30093 | | | | Channel 16 Number | | | | | |
| 758DH-758EH | 30094-30095 | | | | Power Quality Enable | | | | | |
| 758FH | 30096 | | | | Transient Waveform Trigger (MSB)<br>Bit[15]-Bit[6]: Reserved<br>Bit[5]: Transient Waveform Trigger Enable - Channel Vca<br>Bit[4]: Transient Waveform Trigger Enable - Channel Vbc<br>Bit[3]: Transient Waveform Trigger Enable - Channel Vab<br>Bit[2]: Transient Waveform Trigger Enable - Channel Vcn<br>Bit[1]: Transient Waveform Trigger Enable - Channel Vbn<br>Bit[0]: Transient Waveform Trigger Enable - Channel Van<br>0=Enable, 1=Disable | | | | | |
| | Log Configuration Settings | | | | | | | | | |
| 7590H-7591H | 30097-30098 | | | | Log Mode<br>0 = Maximum Number of 1Mbyte files allowed<br>>0 Not defined | | | | | |
| 7592H-7593H | 30099-30100 | | | | System Events Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 7594H-7595H | 30101-30102 | | | | Interval Log 1 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 7596H-7597H | 30103-30104 | | | | Interval Log 2 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 7598H-7599H | 30105-30106 | | | | Interval Log 3 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 759AH-759BH | 30107-30108 | | | | Interval Log 4 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 759CH-759DH | 30109-30110 | | | | Interval Log 5 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 759EH-759FH | 30111-30112 | | | | Interval Log 6 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75A0H-75A1H | 30113-30114 | | | | Interval Log 7 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75A2H-75A3H | 30115-30116 | | | | Interval Log 8 Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75A4H-75A5H | 30117-30118 | | | | Event Triggered Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75A6H-75A7H | 30119-30120 | | | | Sequence of Event (Limits) Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75A8H-75A9H | 30121-30122 | | | | Digital Input Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75AAH-75ABH | 30123-30124 | | | | Digital Output Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75ACH-75ADH | 30125-13126 | | | | Flicker Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75AEH-75AFH | 30127-30128 | | | | Waveform Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75B0H-75B1H | 30129-30130 | | | | Power Quality Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75B2H-75B3H | 30131-30132 | | | | Transients Log Size | 4,294,967,295 / 0 | 1 | F53 | R/W | |
| 75B4H-75FFH | 30133-30208 | | | | Reserved | | | | | |
| | Network Card #2 Settings (Part 1 of 2) | | | | | | | | | |
| 7600H-7601H | 30209-30210 | | | | IP Address | | | | | |
| 7602H-7603H | 30211-30212 | | | | Subnet Mask | | | | | |
| 7604H-7605H | 30213-30214 | | | | Default Gateway | | | | | |
| 7606H | 30215 | | | | MSB<br>Byte[1]: Port 2 Baud Rate<br>Byte[0]: Gateway Delay | | | | | |
| 7607H | 30216 | | | | MSB<br>Byte[1]: Mode<br>Byte[0]: Mode 2 | | | | | |
| 7608H-760FH | 30217-30224 | | | | Computer Name | | | | | |
| 7610H-7611H | 30225-30226 | | | | DNS Server 1 IP Address | | | | | |
| 7612H-7613H | 30227-30228 | | | | DNS Server 2 IP Address | | | | | |
| 7614H-7615H | 30229-30230 | | | | Server / Service Enable Bits | | | | | |
| 7616H | 30231 | | | | Email Port Number | | | | | |
| 7617H | 30232 | | | | FTP Port Number | | | | | |
| | Network Card #2 Settings (Part 2 of 2) | | | | | | | | | |
| 7618H-7621H | 30233-30242 | | | | Reserved | | | | | |
| 7622H | 30243 | | | | Email Mode (MSB)<br>Bit[15]: 0=authenicantion on; 1=authentication off<br>Bit[14]~Bit[0] = Not defined | | | | | |
| 7623H-7663H | 30244-30308 | | | | Reserved | | | | | |
| | Email Client Settings | | | | | | | | | |
| 7664H-7683H | 30309-30340 | | | | Email Server IP Address/name | | | | | |
| 7684H-76A3H | 30341-30372 | | | | Administrator Email Address | | | | | |
| 76A4H-76C3H | 30373-30404 | | | | Email Replay Address | | | | | |
| 76C4H-76E3H | 30405-30436 | | | | Email Subject Text | | | | | |
| 76E4H-76F3H | 30437-30452 | | | | Email username | | | | | |
| 76F4H-7703H | 30453-30468 | | | | Email Password | | | | | |
| | FTP Client Settings | | | | | | | | | |
| 7704H-7713H | 30469-30484 | | | | Username | | | | | |
| 7714H-7723H | 30485-30500 | | | | Password | | | | | |
| 7724H-7763H | 30501-30567 | | | | Startup Path/Directory | | | | | |
| 7764H-7783H | 30565-30596 | | | | Server IP Address/Name | | | | | |
| | GE Protocol (EGD) | | | | | | | | | |
| 7784H-7785H | 30597-30598 | | | | IP Address | | | | | |
| 7786H | 30599 | | | | Update Interval(1=100msec to 65000=6500 seconds) | | | | | |
| 7787H | 30600 | | | | MSB<br>Byte[1]: Connection Type (0=broadsact, 1=multicast, 2=unicast)<br>Byte[0]: Options (Bit[0]: 1=Use IP as Producer ID, 0=Use User Defined) | | | | | |
| 7788H-7789H | 30601-30602 | | | | User Producer ID | | | | | |
| 778AH-778BH | 30603-30604 | | | | Reserved | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | DNP LAN/WAN | | | | | | | | | |
| 778CH-778DH | 30605-30606 | | | | MSB<br>Byte[3]: Mode(0=disabled, 1=standard settings, 2=user settings, 3>= disabled)<br>Byte[2]: Bitmap (Bit[7]: TCP Enable, Bit[6]=UDP enable, Bit[5]: Validate Ports, Bit[4]: UDP Defined Port)<br>Byte[1]: UDP Address<br>Byte[0]: Validate IP | | | | | |
| 778EH | 30607 | | | | TCP Listen Port | | | | | |
| 778FH | 30608 | | | | UDP Listen Port | | | | | |
| 7790H-7791H | 30609-30610 | | | | Valid IP Address #1 | | | | | |
| 7792H-7793H | 30611-30612 | | | | Valid IP Address #2 | | | | | |
| 7794H-7795H | 30613-30614 | | | | Valid IP Address #3 | | | | | |
| 7796H-7797H | 30615-30616 | | | | Valid IP Address #4 | | | | | |
| 7798H-7799H | 30617-30618 | | | | Valid IP Subnet Mask #1 | | | | | |
| 779AH-779BH | 30619-30620 | | | | Valid IP Subnet Mask #2 | | | | | |
| 779CH-779DH | 30621-30622 | | | | Valid IP Subnet Mask #3 | | | | | |
| 779EH-779FH | 30623-30624 | | | | Valid IP Subnet Mask #4 | | | | | |
| 77A0H-77A3H | 30625-30628 | | | | Valid TCP Start Ports | | | | | |
| 77A4H-77A7H | 30629-30632 | | | | Valid TCP End Ports | | | | | |
| 77A8H-77ABH | 30633-30636 | | | | Valid UDP Start Ports | | | | | |
| 77ACH-77AFH | 30637-30640 | | | | Valid UDP End Ports | | | | | |
| 77B0H-77B1H | 30641-30642 | | | | Valid Multicast Group Address | | | | | |
| 77B2H | 30643 | | | | Valid UDP Respond Port | | | | | |
| 77B3H | 30644 | | | | Device Address | | | | | |
| 77B4H-77B7H | 30645-30648 | | | | Reserved | | | | | |
| SNTP Settings | | | | | | | | | | |
| 77B8H | 30649 | | | | Synch Source<br>MSB first,<br>Byte[1] - Synch Source: 0 = IRIG-B(default); 1 = SNTP; 2 = Line synch; 3 = PTP (IEEE 1588); 255 = No synch; others = undefined.<br>Byte[0] - Mode: 0 = Unicast; 1 = Broadcast (not implemented) | | | | | |
| 77B9H | 30651 | | | | Port Default to 123 if equal to 0x000 or 0xFFFF | | | | | |
| 77BAH | 30652 | | | | Synch Rate in minute: >=1(default) and <= 1440 (24Hours) | | | | | |
| 77BBH | 30652 | | | | Timeout in seconds: >=10(default) and <= 60 | | | | | |
| 77BCH-77DBH | 30653-30684 | | | | Server 1 Name or IP Address is ASCII character | | | | | |
| 77DCH-77FBH | 30685-30716 | | | | Server 2 Name or IP Address is ASCII character | | | | | |
| 77FCH-77FFH | 30617-30720 | | | | Reserved | | | | | |
| IEC 61000-4-30: Block Settings | | | | | | | | | | |
| Voltage Boundary Hysteresis | | | | | | | | | | |
| 7800H | 30721 | | | | Phase A-N Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7801H | 30722 | | | | Phase B-N Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7802H | 30723 | | | | Phase C-N Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7803H | 30724 | | | | Phase A-B Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7804H | 30725 | | | | Phase B-C Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7805H | 30726 | | | | Phase C-A Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7806H | 30727 | | | | Phase X-N Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7807H | 30728 | | | | Phase N-E Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7808H | 30729 | | | | Phase A-E Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7809H | 30730 | | | | Phase B-E Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 780AH | 30731 | | | | Phase C-E Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 780BH | 30732 | | | | Phase X-E Voltage Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 780CH | 30733 | | | | Phase A-N Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 780DH | 30734 | | | | Phase B-N Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 780EH | 30735 | | | | Phase C-N Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 780FH | 30736 | | | | Phase A-B Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7810H | 30737 | | | | Phase B-C Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7811H | 30738 | | | | Phase C-A Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7812H | 30739 | | | | Phase X-N Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7813H | 30740 | | | | Phase N-E Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7814H | 30741 | | | | Phase A-E Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7815H | 30742 | | | | Phase B-E Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7816H | 30743 | | | | Phase C-E Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7817H | 30744 | | | | Phase X-E Voltage Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| Current Boundary Hysteresis | | | | | | | | | | |
| 7818H | 30745 | | | | Phase A Current Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7819H | 30746 | | | | Phase B Current Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781AH | 30747 | | | | Phase C Current Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781BH | 30748 | | | | Phase X Current Sag Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781CH | 30749 | | | | Phase A Current Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781DH | 30750 | | | | Phase B Current Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781EH | 30751 | | | | Phase C Current Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 781FH | 30752 | | | | Phase X Current Swell Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| Voltage Boundary Interruptions | | | | | | | | | | |
| 7820H | 30753 | | | | Phase A-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7821H | 30754 | | | | Phase B-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7822H | 30755 | | | | Phase C-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7823H | 30756 | | | | Phase A-B Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7824H | 30757 | | | | Phase B-C Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7825H | 30758 | | | | Phase C-A Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7826H | 30759 | | | | Phase X-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7827H | 30760 | | | | Phase N-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7828H | 30761 | | | | Phase A-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7829H | 30762 | | | | Phase B-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7829H | 30763 | | | | Phase C-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 782BH | 30764 | | | | Phase X-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| Voltage Boundary Interruptions Hysteresis | | | | | | | | | | |
| 782CH | 30765 | | | | Phase A-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 782DH | 30766 | | | | Phase B-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 782EH | 30767 | | | | Phase C-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 782FH | 30768 | | | | Phase A-B Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7830H | 30769 | | | | Phase B-C Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7831H | 30770 | | | | Phase C-A Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7832H | 30771 | | | | Phase X-N Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7833H | 30772 | | | | Phase N-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7834H | 30773 | | | | Phase A-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7835H | 30774 | | | | Phase B-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7836H | 30775 | | | | Phase C-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| 7837H | 30776 | | | | Phase X-E Voltage Setpoint | 0% / +65535% | 0.01% | F10 | R | |
| Voltage Nominal | | | | | | | | | | |
| 7838H | 30777 | | | | Phase A-N Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 7839H | 30778 | | | | Phase B-N Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 783AH | 30779 | | | | Phase C-N Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 783BH | 30780 | | | | Phase A-B Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 783CH | 30781 | | | | Phase B-C Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 783DH | 30782 | | | | Phase C-A Voltage | 0% / +65535% | 0.01% | F10 | R | |
| 783EH-783FH | 30783-30784 | | | | Reserved | 0% / +65535% | 0.01% | F10 | R | |

| Harmonic Subgroup Magnitude Threshould | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7840H | 30785 | | | | Order #0 | 0% / +65535% | 0.01% | F10 | R | |
| 7841H | 30786 | | | | Order #1 | 0% / +65535% | 0.01% | F10 | R | |
| 7842H | 30787 | | | | Order #2 | 0% / +65535% | 0.01% | F10 | R | |
| 7843H | 30788 | | | | Order #3 | 0% / +65535% | 0.01% | F10 | R | |
| 7844H | 30789 | | | | Order #4 | 0% / +65535% | 0.01% | F10 | R | |
| 7845H | 30790 | | | | Order #5 | 0% / +65535% | 0.01% | F10 | R | |
| 7846H | 30791 | | | | Order #6 | 0% / +65535% | 0.01% | F10 | R | |
| 7847H | 30792 | | | | Order #7 | 0% / +65535% | 0.01% | F10 | R | |
| 7848H | 30793 | | | | Order #8 | 0% / +65535% | 0.01% | F10 | R | |
| 7849H | 30794 | | | | Order #9 | 0% / +65535% | 0.01% | F10 | R | |
| 784AH | 30795 | | | | Order #10 | 0% / +65535% | 0.01% | F10 | R | |
| 784BH | 30796 | | | | Order #11 | 0% / +65535% | 0.01% | F10 | R | |
| 784CH | 30797 | | | | Order #12 | 0% / +65535% | 0.01% | F10 | R | |
| 784DH | 30798 | | | | Order #13 | 0% / +65535% | 0.01% | F10 | R | |
| 784EH | 30799 | | | | Order #14 | 0% / +65535% | 0.01% | F10 | R | |
| 784FH | 30800 | | | | Order #15 | 0% / +65535% | 0.01% | F10 | R | |
| 7850H | 30801 | | | | Order #16 | 0% / +65535% | 0.01% | F10 | R | |
| 7851H | 30802 | | | | Order #17 | 0% / +65535% | 0.01% | F10 | R | |
| 7852H | 30803 | | | | Order #18 | 0% / +65535% | 0.01% | F10 | R | |
| 7853H | 30804 | | | | Order #19 | 0% / +65535% | 0.01% | F10 | R | |
| 7854H | 30805 | | | | Order #20 | 0% / +65535% | 0.01% | F10 | R | |
| 7855H | 30806 | | | | Order #21 | 0% / +65535% | 0.01% | F10 | R | |
| 7856H | 30807 | | | | Order #22 | 0% / +65535% | 0.01% | F10 | R | |
| 7857H | 30808 | | | | Order #23 | 0% / +65535% | 0.01% | F10 | R | |
| 7858H | 30809 | | | | Order #24 | 0% / +65535% | 0.01% | F10 | R | |
| 7859H | 30810 | | | | Order #25 | 0% / +65535% | 0.01% | F10 | R | |
| 785AH | 30811 | | | | Order #26 | 0% / +65535% | 0.01% | F10 | R | |
| 785BH | 30812 | | | | Order #27 | 0% / +65535% | 0.01% | F10 | R | |
| 785CH | 30813 | | | | Order #28 | 0% / +65535% | 0.01% | F10 | R | |
| 785DH | 30814 | | | | Order #29 | 0% / +65535% | 0.01% | F10 | R | |
| 785EH | 30815 | | | | Order #30 | 0% / +65535% | 0.01% | F10 | R | |
| 785FH | 30816 | | | | Order #31 | 0% / +65535% | 0.01% | F10 | R | |
| 7860H | 30817 | | | | Order #32 | 0% / +65535% | 0.01% | F10 | R | |
| 7861H | 30818 | | | | Order #33 | 0% / +65535% | 0.01% | F10 | R | |
| 7862H | 30819 | | | | Order #34 | 0% / +65535% | 0.01% | F10 | R | |
| 7863H | 30820 | | | | Order #35 | 0% / +65535% | 0.01% | F10 | R | |
| 7864H | 30821 | | | | Order #36 | 0% / +65535% | 0.01% | F10 | R | |
| 7865H | 30822 | | | | Order #37 | 0% / +65535% | 0.01% | F10 | R | |
| 7866H | 30823 | | | | Order #38 | 0% / +65535% | 0.01% | F10 | R | |
| 7867H | 30824 | | | | Order #39 | 0% / +65535% | 0.01% | F10 | R | |
| 7868H | 30825 | | | | Order #40 | 0% / +65535% | 0.01% | F10 | R | |
| 7869H | 30826 | | | | Order #41 | 0% / +65535% | 0.01% | F10 | R | |
| 786AH | 30827 | | | | Order #42 | 0% / +65535% | 0.01% | F10 | R | |
| 786BH | 30828 | | | | Order #43 | 0% / +65535% | 0.01% | F10 | R | |
| 786CH | 30829 | | | | Order #44 | 0% / +65535% | 0.01% | F10 | R | |
| 786DH | 30830 | | | | Order #45 | 0% / +65535% | 0.01% | F10 | R | |
| 786EH | 30831 | | | | Order #46 | 0% / +65535% | 0.01% | F10 | R | |
| 786FH | 30832 | | | | Order #47 | 0% / +65535% | 0.01% | F10 | R | |
| 7870H | 30833 | | | | Order #48 | 0% / +65535% | 0.01% | F10 | R | |
| 7871H | 30834 | | | | Order #49 | 0% / +65535% | 0.01% | F10 | R | |
| 7872H | 30835 | | | | Order #50 | 0% / +65535% | 0.01% | F10 | R | |
| 7873H | 30836 | | | | Order #51 | 0% / +65535% | 0.01% | F10 | R | |

| Interharmonic Subgroup Magnitude Threshould | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7874H | 30837 | | | | Order #0 | 0% / +65535% | 0.01% | F10 | R | |
| 7875H | 30838 | | | | Order #1 | 0% / +65535% | 0.01% | F10 | R | |
| 7876H | 30839 | | | | Order #2 | 0% / +65535% | 0.01% | F10 | R | |
| 7877H | 30840 | | | | Order #3 | 0% / +65535% | 0.01% | F10 | R | |
| 7878H | 30841 | | | | Order #4 | 0% / +65535% | 0.01% | F10 | R | |
| 7879H | 30842 | | | | Order #5 | 0% / +65535% | 0.01% | F10 | R | |
| 787AH | 30843 | | | | Order #6 | 0% / +65535% | 0.01% | F10 | R | |
| 787BH | 30844 | | | | Order #7 | 0% / +65535% | 0.01% | F10 | R | |
| 787CH | 30845 | | | | Order #8 | 0% / +65535% | 0.01% | F10 | R | |
| 787DH | 30846 | | | | Order #9 | 0% / +65535% | 0.01% | F10 | R | |
| 787EH | 30847 | | | | Order #10 | 0% / +65535% | 0.01% | F10 | R | |
| 787FH | 30848 | | | | Order #11 | 0% / +65535% | 0.01% | F10 | R | |
| 7880H | 30849 | | | | Order #12 | 0% / +65535% | 0.01% | F10 | R | |
| 7881H | 30850 | | | | Order #13 | 0% / +65535% | 0.01% | F10 | R | |
| 7882H | 30851 | | | | Order #14 | 0% / +65535% | 0.01% | F10 | R | |
| 7883H | 30852 | | | | Order #15 | 0% / +65535% | 0.01% | F10 | R | |
| 7884H | 30853 | | | | Order #16 | 0% / +65535% | 0.01% | F10 | R | |
| 7885H | 30854 | | | | Order #17 | 0% / +65535% | 0.01% | F10 | R | |
| 7886H | 30855 | | | | Order #18 | 0% / +65535% | 0.01% | F10 | R | |
| 7887H | 30856 | | | | Order #19 | 0% / +65535% | 0.01% | F10 | R | |
| 7888H | 30857 | | | | Order #20 | 0% / +65535% | 0.01% | F10 | R | |
| 7889H | 30858 | | | | Order #21 | 0% / +65535% | 0.01% | F10 | R | |
| 788AH | 30859 | | | | Order #22 | 0% / +65535% | 0.01% | F10 | R | |
| 788BH | 30860 | | | | Order #23 | 0% / +65535% | 0.01% | F10 | R | |
| 788CH | 30861 | | | | Order #24 | 0% / +65535% | 0.01% | F10 | R | |
| 788DH | 30862 | | | | Order #25 | 0% / +65535% | 0.01% | F10 | R | |
| 788EH | 30863 | | | | Order #26 | 0% / +65535% | 0.01% | F10 | R | |
| 788FH | 30864 | | | | Order #27 | 0% / +65535% | 0.01% | F10 | R | |
| 7890H | 30865 | | | | Order #28 | 0% / +65535% | 0.01% | F10 | R | |
| 7891H | 30866 | | | | Order #29 | 0% / +65535% | 0.01% | F10 | R | |
| 7892H | 30867 | | | | Order #30 | 0% / +65535% | 0.01% | F10 | R | |
| 7893H | 30868 | | | | Order #31 | 0% / +65535% | 0.01% | F10 | R | |
| 7894H | 30869 | | | | Order #32 | 0% / +65535% | 0.01% | F10 | R | |
| 7895H | 30870 | | | | Order #33 | 0% / +65535% | 0.01% | F10 | R | |
| 7896H | 30871 | | | | Order #34 | 0% / +65535% | 0.01% | F10 | R | |
| 7897H | 30872 | | | | Order #35 | 0% / +65535% | 0.01% | F10 | R | |
| 7898H | 30873 | | | | Order #36 | 0% / +65535% | 0.01% | F10 | R | |
| 7899H | 30874 | | | | Order #37 | 0% / +65535% | 0.01% | F10 | R | |
| 789AH | 30875 | | | | Order #38 | 0% / +65535% | 0.01% | F10 | R | |
| 789BH | 30876 | | | | Order #39 | 0% / +65535% | 0.01% | F10 | R | |
| 789CH | 30877 | | | | Order #40 | 0% / +65535% | 0.01% | F10 | R | |
| 789DH | 30878 | | | | Order #41 | 0% / +65535% | 0.01% | F10 | R | |
| 789EH | 30879 | | | | Order #42 | 0% / +65535% | 0.01% | F10 | R | |
| 789FH | 30880 | | | | Order #43 | 0% / +65535% | 0.01% | F10 | R | |
| 78A0H | 30881 | | | | Order #44 | 0% / +65535% | 0.01% | F10 | R | |
| 78A1H | 30882 | | | | Order #45 | 0% / +65535% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 78A2H | 30883 | | | | Order #46 | 0% / +65535% | 0.01% | F10 | R | |
| 78A3H | 30884 | | | | Order #47 | 0% / +65535% | 0.01% | F10 | R | |
| 78A4H | 30885 | | | | Order #48 | 0% / +65535% | 0.01% | F10 | R | |
| 78A5H | 30886 | | | | Order #49 | 0% / +65535% | 0.01% | F10 | R | |
| 78A6H | 30887 | | | | Order #50 | 0% / +65535% | 0.01% | F10 | R | |
| 78A7H | 30888 | | | | Order #51 | 0% / +65535% | 0.01% | F10 | R | |
| Harmonic Group Magnitude Threshold (Factory Use Only) | | | | | | | | | | |
| 78A8H | 30889 | | | | Order #0 | 0% / +65535% | 0.01% | F10 | R | |
| 78A9H | 30890 | | | | Order #1 | 0% / +65535% | 0.01% | F10 | R | |
| 78AAH | 30891 | | | | Order #2 | 0% / +65535% | 0.01% | F10 | R | |
| 78ABH | 30892 | | | | Order #3 | 0% / +65535% | 0.01% | F10 | R | |
| 78ACH | 30893 | | | | Order #4 | 0% / +65535% | 0.01% | F10 | R | |
| 78ADH | 30894 | | | | Order #5 | 0% / +65535% | 0.01% | F10 | R | |
| 78AEH | 30895 | | | | Order #6 | 0% / +65535% | 0.01% | F10 | R | |
| 78AFH | 30896 | | | | Order #7 | 0% / +65535% | 0.01% | F10 | R | |
| 78B0H | 30897 | | | | Order #8 | 0% / +65535% | 0.01% | F10 | R | |
| 78B1H | 30898 | | | | Order #9 | 0% / +65535% | 0.01% | F10 | R | |
| 78B2H | 30899 | | | | Order #10 | 0% / +65535% | 0.01% | F10 | R | |
| 78B3H | 30900 | | | | Order #11 | 0% / +65535% | 0.01% | F10 | R | |
| 78B4H | 30901 | | | | Order #12 | 0% / +65535% | 0.01% | F10 | R | |
| 78B5H | 30902 | | | | Order #13 | 0% / +65535% | 0.01% | F10 | R | |
| 78B6H | 30903 | | | | Order #14 | 0% / +65535% | 0.01% | F10 | R | |
| 78B7H | 30904 | | | | Order #15 | 0% / +65535% | 0.01% | F10 | R | |
| 78B8H | 30905 | | | | Order #16 | 0% / +65535% | 0.01% | F10 | R | |
| 78B9H | 30906 | | | | Order #17 | 0% / +65535% | 0.01% | F10 | R | |
| 78BAH | 30907 | | | | Order #18 | 0% / +65535% | 0.01% | F10 | R | |
| 78BBH | 30908 | | | | Order #19 | 0% / +65535% | 0.01% | F10 | R | |
| 78BCH | 30909 | | | | Order #20 | 0% / +65535% | 0.01% | F10 | R | |
| 78BDH | 30910 | | | | Order #21 | 0% / +65535% | 0.01% | F10 | R | |
| 78BEH | 30911 | | | | Order #22 | 0% / +65535% | 0.01% | F10 | R | |
| 78BFH | 30912 | | | | Order #23 | 0% / +65535% | 0.01% | F10 | R | |
| 78C0H | 30913 | | | | Order #24 | 0% / +65535% | 0.01% | F10 | R | |
| 78C1H | 30914 | | | | Order #25 | 0% / +65535% | 0.01% | F10 | R | |
| 78C2H | 30915 | | | | Order #26 | 0% / +65535% | 0.01% | F10 | R | |
| 78C3H | 30916 | | | | Order #27 | 0% / +65535% | 0.01% | F10 | R | |
| 78C4H | 30917 | | | | Order #28 | 0% / +65535% | 0.01% | F10 | R | |
| 78C5H | 30918 | | | | Order #29 | 0% / +65535% | 0.01% | F10 | R | |
| 78C6H | 30919 | | | | Order #30 | 0% / +65535% | 0.01% | F10 | R | |
| 78C7H | 30920 | | | | Order #31 | 0% / +65535% | 0.01% | F10 | R | |
| 78C8H | 30921 | | | | Order #32 | 0% / +65535% | 0.01% | F10 | R | |
| 78C9H | 30922 | | | | Order #33 | 0% / +65535% | 0.01% | F10 | R | |
| 78CAH | 30923 | | | | Order #34 | 0% / +65535% | 0.01% | F10 | R | |
| 78CBH | 30924 | | | | Order #35 | 0% / +65535% | 0.01% | F10 | R | |
| 78CCH | 30925 | | | | Order #36 | 0% / +65535% | 0.01% | F10 | R | |
| 78CDH | 30926 | | | | Order #37 | 0% / +65535% | 0.01% | F10 | R | |
| 78CEH | 30927 | | | | Order #38 | 0% / +65535% | 0.01% | F10 | R | |
| 78CFH | 30928 | | | | Order #39 | 0% / +65535% | 0.01% | F10 | R | |
| 78D0H | 30929 | | | | Order #40 | 0% / +65535% | 0.01% | F10 | R | |
| 78D1H | 30930 | | | | Order #41 | 0% / +65535% | 0.01% | F10 | R | |
| 78D2H | 30931 | | | | Order #42 | 0% / +65535% | 0.01% | F10 | R | |
| 78D3H | 30932 | | | | Order #43 | 0% / +65535% | 0.01% | F10 | R | |
| 78D4H | 30933 | | | | Order #44 | 0% / +65535% | 0.01% | F10 | R | |
| 78D5H | 30934 | | | | Order #45 | 0% / +65535% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 78D6H | 30935 | | | | Order #46 | 0% / +65535% | 0.01% | F10 | R | |
| 78D7H | 30936 | | | | Order #47 | 0% / +65535% | 0.01% | F10 | R | |
| 78D8H | 30937 | | | | Order #48 | 0% / +65535% | 0.01% | F10 | R | |
| 78D9H | 30938 | | | | Order #49 | 0% / +65535% | 0.01% | F10 | R | |
| 78DAH | 30939 | | | | Order #50 | 0% / +65535% | 0.01% | F10 | R | |
| 78DBH | 30940 | | | | Order #51 | 0% / +65535% | 0.01% | F10 | R | |
| Interharmonic Group Magnitude Threshold (Factory Use Only) | | | | | | | | | | |
| 78DCH | 30941 | | | | Order #0 | 0% / +65535% | 0.01% | F10 | R | |
| 78DDH | 30942 | | | | Order #1 | 0% / +65535% | 0.01% | F10 | R | |
| 78DEH | 30943 | | | | Order #2 | 0% / +65535% | 0.01% | F10 | R | |
| 78DFH | 30944 | | | | Order #3 | 0% / +65535% | 0.01% | F10 | R | |
| 78E0H | 30945 | | | | Order #4 | 0% / +65535% | 0.01% | F10 | R | |
| 78E1H | 30946 | | | | Order #5 | 0% / +65535% | 0.01% | F10 | R | |
| 78E2H | 30947 | | | | Order #6 | 0% / +65535% | 0.01% | F10 | R | |
| 78E3H | 30948 | | | | Order #7 | 0% / +65535% | 0.01% | F10 | R | |
| 78E4H | 30949 | | | | Order #8 | 0% / +65535% | 0.01% | F10 | R | |
| 78E5H | 30950 | | | | Order #9 | 0% / +65535% | 0.01% | F10 | R | |
| 78E6H | 30951 | | | | Order #10 | 0% / +65535% | 0.01% | F10 | R | |
| 78E7H | 30952 | | | | Order #11 | 0% / +65535% | 0.01% | F10 | R | |
| 78E8H | 30953 | | | | Order #12 | 0% / +65535% | 0.01% | F10 | R | |
| 78E9H | 30954 | | | | Order #13 | 0% / +65535% | 0.01% | F10 | R | |
| 78EAH | 30955 | | | | Order #14 | 0% / +65535% | 0.01% | F10 | R | |
| 78EBH | 30956 | | | | Order #15 | 0% / +65535% | 0.01% | F10 | R | |
| 78ECH | 30957 | | | | Order #16 | 0% / +65535% | 0.01% | F10 | R | |
| 78EDH | 30958 | | | | Order #17 | 0% / +65535% | 0.01% | F10 | R | |
| 78EEH | 30959 | | | | Order #18 | 0% / +65535% | 0.01% | F10 | R | |
| 78EFH | 30960 | | | | Order #19 | 0% / +65535% | 0.01% | F10 | R | |
| 78F0H | 30961 | | | | Order #20 | 0% / +65535% | 0.01% | F10 | R | |
| 78F1H | 30962 | | | | Order #21 | 0% / +65535% | 0.01% | F10 | R | |
| 78F2H | 30963 | | | | Order #22 | 0% / +65535% | 0.01% | F10 | R | |
| 78F3H | 30964 | | | | Order #23 | 0% / +65535% | 0.01% | F10 | R | |
| 78F4H | 30965 | | | | Order #24 | 0% / +65535% | 0.01% | F10 | R | |
| 78F5H | 30966 | | | | Order #25 | 0% / +65535% | 0.01% | F10 | R | |
| 78F6H | 30967 | | | | Order #26 | 0% / +65535% | 0.01% | F10 | R | |
| 78F7H | 30968 | | | | Order #27 | 0% / +65535% | 0.01% | F10 | R | |
| 78F8H | 30969 | | | | Order #28 | 0% / +65535% | 0.01% | F10 | R | |
| 78F9H | 30970 | | | | Order #29 | 0% / +65535% | 0.01% | F10 | R | |
| 78FAH | 30971 | | | | Order #30 | 0% / +65535% | 0.01% | F10 | R | |
| 78FBH | 30972 | | | | Order #31 | 0% / +65535% | 0.01% | F10 | R | |
| 78FCH | 30973 | | | | Order #32 | 0% / +65535% | 0.01% | F10 | R | |
| 78FDH | 30974 | | | | Order #33 | 0% / +65535% | 0.01% | F10 | R | |
| 78FEH | 30975 | | | | Order #34 | 0% / +65535% | 0.01% | F10 | R | |
| 78FFH | 30976 | | | | Order #35 | 0% / +65535% | 0.01% | F10 | R | |
| 7900H | 30977 | | | | Order #36 | 0% / +65535% | 0.01% | F10 | R | |
| 7901H | 30978 | | | | Order #37 | 0% / +65535% | 0.01% | F10 | R | |
| 7902H | 30979 | | | | Order #38 | 0% / +65535% | 0.01% | F10 | R | |
| 7903H | 30980 | | | | Order #39 | 0% / +65535% | 0.01% | F10 | R | |
| 7904H | 30981 | | | | Order #40 | 0% / +65535% | 0.01% | F10 | R | |
| 7905H | 30982 | | | | Order #41 | 0% / +65535% | 0.01% | F10 | R | |
| 7906H | 30983 | | | | Order #42 | 0% / +65535% | 0.01% | F10 | R | |
| 7907H | 30984 | | | | Order #43 | 0% / +65535% | 0.01% | F10 | R | |
| 7908H | 30985 | | | | Order #44 | 0% / +65535% | 0.01% | F10 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 7909H | 30986 | | | | Order #45 | 0% / +65535% | 0.01% | F10 | R | |
| 790AH | 30987 | | | | Order #46 | 0% / +65535% | 0.01% | F10 | R | |
| 790BH | 30988 | | | | Order #47 | 0% / +65535% | 0.01% | F10 | R | |
| 790CH | 30989 | | | | Order #48 | 0% / +65535% | 0.01% | F10 | R | |
| 790DH | 30990 | | | | Order #49 | 0% / +65535% | 0.01% | F10 | R | |
| 790EH | 30991 | | | | Order #50 | 0% / +65535% | 0.01% | F10 | R | |
| 790FH | 30992 | | | | Order #51 | 0% / +65535% | 0.01% | F10 | R | |
| | | | | | | | | | | |
| 7910H | 30993 | | | | Threshold Enable Channel # | | | F108 | R | |
| 7911H | 30994 | | | | Mains Signalling Threshold | 0% / +65535% | 0.01% | F10 | R | |
| 7912H | 30995 | | | | Mains Signalling Interharmonics Bin Start Number | | | F51 | | |
| 7913H-791FH | 30996-31008 | | | | Mains Signalling Interharmonics Bin Start Number | | | F51 | | |
| Overvoltage (Phase to Earth) Threshold | | | | | | | | | | |
| 7920H | 31009 | | | | Phase N-E Voltage Setpoint | 0.00 / +655.35 | Volts | | R | |
| 7921H | 31010 | | | | Phase A-E Voltage Setpoint | 0.00 / +655.35 | Volts | | R | |
| 7922H | 31011 | | | | Phase B-E Voltage Setpoint | 0.00 / +655.35 | Volts | | R | |
| 7923H | 31012 | | | | Phase C-E Voltage Setpoint | 0.00 / +655.35 | Volts | | R | |
| 7924H | 31013 | | | | MSB<br>Byte[1]: Allowed Long Interruption in a Year.<br>Range from 0 to 100. Values>100 are equal to 100.<br>Byte[0]: Rapid Voltage Change Data Source<br>0 = 10/12 Cycles Update RMS<br>1 = 1 Cycles Update RMS<br>2~255 = 10/12 Cycles Update RMS | | | F112 | R | |
| 7925H | 31014 | | | | MSB<br>Byte[1]: Supply Voltage Unbalance Upper Limit.<br>0 = Less than or equal to 2%<br>1 = Less than or equal to 3%<br>2~255 = Less than or equal to 2%<br>Byte[0]: Voltage Dip Concern Threshold Phase A<br>see detail on modbus register below | | | F112 | R | |
| 7926H | 31015 | | | | MSB<br>Byte[1]: Voltage Dip Concern Threshold Phase B<br>Byte[0]: Voltage Dip Concern Threshold Phase C<br>0 = Greater than or equal to 10%<br>1 = Greater than or equal to 15%<br>2 = Greater than or equal to 20%<br>3 = Greater than or equal to 30%<br>4 = Greater than or equal to 40%<br>5 = Greater than or equal to 50%<br>6 = Greater than or equal to 60%<br>7 = Greater than or equal to 70%<br>8 = Greater than or equal to 85%<br>9~255 = Greater than or equal to 85% | | | F112 | R | |
| 7927H | 31016 | | | | MSB<br>Byte[1]: First Day of Week<br>0 = Sunday<br>1 = Monday<br>2~255 = Sunday<br>Byte[0]: Not Defined | | | F112 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 7928H | 31017 | | | | Sliding Reference Usr Sag/Swell Enable for Voltage | | | F77 | R | |
| 7929H | 31018 | | | | Sliding Reference Usr Sag/Swell Enable for Current | | | F78 | R | |
| | Interval Maximum/Minimum/Average | | | | | | | | | |
| 792AH | 31019 | | | | MSB<br>Byte[1]: Interval<br>0 = Interval from Interval log 3<br>1 = Interval from Interval log 4<br>2 = Interval from Interval log 5<br>3 = Interval from Interval log 6<br>4 = Interval from Interval log 7<br>5 = Interval from Interval log 8<br>byte[0]: Readings<br>0 = 1 cycle (DSP2 channel 142)<br>1 = 10/12 cycle (DSP2 channel 130)<br>2 = 3 seconds (DSP2 channel 131)<br>3 = 10 minute (DSP2 channel 131) | | | F112 | R | |
| 792BH-7FFF | 31021-32768 | | | | Not Defined | | | | R | |
| | TOU Status Section | | | | | | | | | |
| 8800H | 34817 | | | | TOU Status<br>bits: -aaa ttts ssdd mmmm<br>aaa=active schedule(0-7), ttt=current tier(1-4), sss=current season(1-4), dd=current daytype(0-3), mmmm=current month(1-12) | | | F112 | R | continue block for 32bytes |
| 8801H | 34818 | | | | TOU profile update count since meter startup | | | F51 | R | |
| 8802H-8805H | 34819-34822 | | | | Last TOU profile update time since meter startup | | | F3 | R | |
| 8806H | 34823 | | | | reserved | | | F51 | R | |
| 8807H | 34824 | | | | Detailed TOU status, when bit is set in the bit mask<br>0x8000=TOU is ready and running<br>0x4000=TOU is initializing<br>0x2000=TOU is in self-read mode<br>0x1000=TOU is in manual read mode<br>0x0800=Season block is customized as Weekly self-read<br>0x0400=Season block is customized as Daily self-read<br>0x0200=TOU profile update and re-initialization of TOU<br>0x0008=Error, block window average not triggered on time internal in meter profile<br>0x0004=Meter profile has errors<br>0x0002=TOU profile validation found errors<br>0x0001=TOU profile has errors | | | F51 | R | |
| 8808H | 34825 | | | | TOU Profile validation errors, when bit is set in the bit mask<br>0x0800=no schedule specified<br>0x0400=bad schedule in annual profile<br>0x0200=day type too big<br>0x0100=number used exceeded<br>0x0080=unsupported calendar format<br>0x0040=repeat is zero<br>0x0020=unsupported built-in day<br>0x0010=bad day of week<br>0x0008=week too big<br>0x0004=bad day in every month<br>0x0002=bad day of month<br>0x0001=month too big | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8809H | 34826 | | | | TOU profile update status code<br>0=No error/Update Idle<br>0xFFFF=Meter is checking the TOU profile, set by meter after meter received all data<br>1=TOU update profile length error<br>2=TOU update profile header error<br>3=TOU update profile invalid device type<br>4=TOU update profile checksum error<br>5=TOU update profile validation failed | | | F51 | R | |
| 880AH-880FH | 34827-34832 | | | | reserved | | | F51 | R | |
| TOU Profile Section | | | | | | | | | | |
| 8810H-8817H | 34833-34840 | | | | TOU profile header | | | F2 | R/W | continue block for 1768 byte |
| 8818H | 34841 | | | | TOU profile version | | | F51 | R/W | |
| 8819H | 34842 | | | | reserved | | | F51 | R/W | |
| 881AH-881BH | 34843-34844 | | | | TOU profile length | | | F53 | R/W | |
| 881CH-881FH | 34845-34848 | | | | TOU profile modified date/time | | | F3 | R/W | |
| 8820H-8823H | 34849-34852 | | | | reserved | | | F51 | R/W | |
| 8824H-882BH | 34853-34860 | | | | TOU target device ID string | | | F2 | R/W | |
| 882CH | 34861 | | | | TOU demand type<br>0=Sliding Window, 1=Block Window | | | F51 | R/W | |
| 882DH | 34862 | | | | TOU demand interval, seconds | | | F51 | R/W | |
| 882EH-8835H | 34863-34870 | | | | Scaled energy format IDs, byte array 0 to 15, for TOU energy accumulators in data sets 1 to 16. Value 0=no scaled energy format used. Valid scaled energy formats are 1-52 | | | F47/F49 | R/W | |
| 8836H-883DH | 34871-34878 | | | | Data Set Coincident Demand Type IDs, byte array 0 to 15, for coincident demand in data set 1 to 16. Value of 0=no type is assigned, and thus meter will not apply PTCT multiplying factors. Valid settings are from 1-30 | | | F47/F49 | R/W | |
| 883EH-884FH | 34879-34896 | | | | reserved | | | F51 | R/W | |
| 8850H-8A11H | 34897-35346 | | | | Calendar entries<br>3 registers (6 bytes) each, 150 entries total | | | F123 | R/W | |
| 8A12H-8A43H | 35347-35396 | | | | Tier Change List<br>50 entries total | | | F124 | R/W | |
| 8A44H-8A4BH | 35397-35404 | | | | Schedule Index<br>array 0-49 | | | F119 | R/W | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8A4CH-8A52H | 35405-35411 | | | | Day type assignments<br>7 entries, 1st= Sun type…7th=Sat type<br>value 0-3 | | | F51 | R/W | |
| 8A53H-8A62H | 35412-35427 | | | | Annual Profile<br>4x4 table of seasons vs. day types. Data specifies the schedule to use for all days of that type in a given season. First 4 registers are Season 0, next 4 are Season 1, etc. Registers 1 to 4 within a season block are for Holiday, Day Type 1, Day Type 2 and Day Type 3. Assigning 16 to unused cells is recommended. | | | F51 | R/W | |
| 8A63H | 35428 | | | | Accumulator #1 Register Identifier<br>(Data's Modbus register address) | | | F51 | R/W | |
| 8A64H | 35429 | | | | Peak Demand Register #1 Identifier<br>(Data's Modbus register address) | | | F51 | R/W | |
| 8A65H | 35430 | | | | Coincident Demand Register #1 Identifier<br>(Data's Modbus register address) | | | R51 | R/W | |
| 8A66H | 35431 | | | | Monitored Data Set #1 Options | | | F125 | R/W | |
| 8A67H-8A6EH | 35432-35439 | | | | Label for Data Set #1 | | | F2 | R/W | |
| 8A6FH-8A76H | 35440-35447 | | | | Label for Accumulator of set #1 | | | F2 | R/W | |
| 8A77H-8A7EH | 35448-35455 | | | | Label for Peak Demand of set #1 | | | F2 | R/W | |
| 8A7FH-8A86H | 35456-35463 | | | | Label for Coincident Demand of set #1 | | | F2 | R/W | |
| 8A87H-8A8EH | 35464-35471 | | | | Label for Cumulative Demand of set #1 | | | F2 | R/W | |
| 8A8FH-8D22H | 35472-36131 | | | | Definition of Monitored Data Sets #2 - #16 | | | | R/W | |
| 8D23H-8D2AH | 36132-36139 | | | | reserved | | | F51 | R/W | |
| 8D2BH-8D42H | 36140-36163 | | | | Label for day types 1, 2, 3 | | | F2 | R/W | |
| 8D43H-8D4AH | 36164-36171 | | | | Label for total tier | | | F2 | R/W | |
| 8D4BH-8D6AH | 36172-36203 | | | | Labels for tiers 1 - 4 | | | F2 | R/W | |
| 8D6BH-8E62H | 36204-36451 | | | | Labels for holidays 1 - 31 | | | F2 | R/W | |
| 8E63H-8EC2H | 36452-36547 | | | | Labels for months 1 - 12 | | | F2 | R/W | |
| 8EC3H-8EE2H | 36548-36579 | | | | Labels for seasons 1 - 4 | | | F2 | R/W | |
| 8EE3H | 36580 | | | | Month Self Read Time of Day<br>high byte is hour (0-23), low byte is minute (5, 15, 30, 60); must be aligned with the demand interval | | | F112 | R/W | |
| 8EE4H | 36581 | | | | Season Self Read Time of Day<br>high byte is hour (0-23), low byte is minute (5, 15, 30, 60); must be aligned with the demand interval | | | F112 | R/W | |
| 8EE5H | 36582 | | | | Number of months<br>If number of months = 0, all month data will be month 1; similarly if number of seasons = 0, all season data will be season 1. | | | F51 | R/W | |
| 8EE6H | 36583 | | | | Number of seasons<br>If number of months = 0, all month data will be month 1; similarly if number of seasons = 0, all season data will be season 1. | | | F51 | R/W | |
| 8EE7H | 36584 | | | | Number of day types | | | F51 | R/W | |
| 8EE8H | 36585 | | | | TOU Option bits<br>0x0001= for customized weekly and daily self-read setup (breaks the linke between season and month data) | | | F51 | R/W | |
| 8EE9H-8EEFH | 36586-36592 | | | | reserved | | | F51 | R/W | |
| 8EF0H-8EF6H | 36593-36599 | | | | TOU profile footer | | | F51 | R/W | |
| 8EF7H | 36600 | | | | TOU profile checksum<br>CRC16, MSB first | | | F51 | R/W | |
| 8EF8H-8F7FH | 36601-36736 | | | | reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Historical Log 1 Snapshot Header | | | | | | | | | |
| 9000H-9001H | 36865-36866 | | | | Historical Log 1 Snapshot Memory Size | 4,294,967,295 bytes / 0 bytes | 1 byte | | R | |
| 9002H | 36867 | | | | Historical Log 1 Snapshot Record Size | 65535 bytes / 0 bytes | 1 byte | | R | |
| 9003H | 36868 | | | | Historical Log 1 Snapshot First Index | record 65535 / record 0 | 1 record | | R | |
| 9004H | 36869 | | | | Historical Log 1 Snapshot Last Index | record 65535 / record 0 | 1 record | | R | |
| 9005H-9008H | 36870-36873 | | | | Historical Log 1 Snapshot First Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 9009H-900CH | 36874-36877 | | | | Historical Log 1 Snapshot Last Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 900DH-9010H | 36878-36881 | | | | Historical Log 1 Snapshot Valid Bitmap | | | | R | |
| 9011H | 36882 | | | | Historical Log 1 Max Records | 65535 records / 0 records | 1 record | | R | |
| 9012H | 36883 | | | | Historical Log 1 Reset Status | | | | | |
| | Historical Log 2 Snapshot Header | | | | | | | | | |
| 9040H-9041H | 36929-36930 | | | | Historical Log 2 Snapshot Memory Size | 4,294,967,295 bytes / 0 bytes | 1 byte | | R | |
| 9042H | 36931 | | | | Historical Log 2 Snapshot Record Size | 65535 bytes / 0 bytes | 1 byte | | R | |
| 9043H | 36932 | | | | Historical Log 2 Snapshot First Index | record 65535 / record 0 | 1 record | | R | |
| 9044H | 36933 | | | | Historical Log 2 Snapshot Last Index | record 65535 / record 0 | 1 record | | R | |
| 9045H-9048H | 36934-36937 | | | | Historical Log 2 Snapshot First Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 9049H-904CH | 36938-36941 | | | | Historical Log 2 Snapshot Last Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 904DH-9050H | 36942-36945 | | | | Historical Log 2 Snapshot Valid Bitmap | | | | R | |
| 9051H | 36946 | | | | Historical Log 2 Max Records | 65535 records / 0 records | 1 record | | R | |
| 9052H | 36947 | | | | Historical Log 2 Reset Status | | | | | |
| | System Event Log Header | | | | | | | | | |
| 9280H-9281H | 37505-37506 | | | | System Event Log Memory Size | 4,294,967,295 bytes / 0 bytes | 1 byte | | R | |
| 9282H | 37507 | | | | System Event Log Record Size | 65535 bytes / 0 bytes | 1 byte | | R | |
| 9283H | 37508 | | | | System Event Log First Index | record 65535 / record 0 | 1 record | | R | |
| 9284H | 37509 | | | | System Event Log Last Index | record 65535 / record 0 | 1 record | | R | |
| 9285H-9288H | 37510-37513 | | | | System Event Log First Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 9289H-928CH | 37514-37517 | | | | System Event Log Last Time Stamp | 12/31/9999 23:59:59.99 | 10 msec | | R | |
| 928DH-9290H | 37518-37521 | | | | System Event Log Valid Bitmap | | | | R | |
| 9291H | 37522 | | | | System Event Log Max Records | 65535 records / 0 records | 1 record | | R | |
| 9292H | 37523 | | | | System Event Log Reset Status | | | | R | |
| | | | | | | | | | | |
| | Window Index Block | | | | | | | | | |
| 9500H | 38145 | | | | Window Index for Historical Log 1 | record 65535 / record 0 | 1 record | | R/W | |
| 9501H | 38146 | | | | Window Index for Historical Log 2 | record 65535 / record 0 | 1 record | | R/W | |
| 950AH | 38155 | | | | Window Index for System Event Log | record 65535 / record 0 | 1 record | | R/W | |
| | Window Mode Block | | | | | | | | | |
| 9540H | 38209 | | | | Window Mode for Historical Log 1 | | | | R/W | Ch.5 |
| 9541H | 38210 | | | | Window Mode for Historical Log 2 | | | | R/W | Ch.5 |
| 954AH | 38219 | | | | Window Mode for System Event Log | | | | R/W | Ch.5 |
| | Window Block | | | | | | | | | |
| 9580H-95BFH | 38273-38336 | | | | Historical Log 1 Window | | | | R | Ch.5 |
| 95C0H-95FFH | 38337-38400 | | | | Historical Log 2 Window | | | | R | Ch.5 |
| 9800H-983FH | 38913-38976 | | | | System Event Log Window | | | | R | Ch.5 |
| | Auto Increment Window Block | | | | | | | | | |
| 99FEH | 39423 | | | | Auto Increment Configuration | | | | R/W | Ch.5 |
| 99FFH | 39424 | | | | Auto Increment Window Index | | | | R/W | Ch.5 |
| 9A00H-9A3FH | 39425-39488 | | | | Auto Increment Log Window | | | | R | Ch.5 |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Port Control Block | | | | | | | | | |
| A300H | 41729 | | | | Port Control Command | | | | W | Ch.5 |
| A301H-A303H | 41730-41732 | | | | Port Control Lock States | | | | R | Ch.5 |
| A304H | 41733 | | | | Port Control Pointer RecIn Comm 4 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A305H | 41734 | | | | Port Control Pointer RecOut Comm 4 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A306H | 41735 | | | | Port Control Pointer TrmIn Comm 4 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A307H | 41736 | | | | Port Control Pointer TrmOut Comm 4 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A308H | 41737 | | | | Port Control Pointer RecIn Comm 3 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A309H | 41738 | | | | Port Control Pointer RecOut Comm 3 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30AH | 41739 | | | | Port Control Pointer TrmIn Comm 3 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30BH | 41740 | | | | Port Control Pointer TrmOut Comm 3 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30CH | 41741 | | | | Port Control Pointer RecIn Comm 2 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30DH | 41742 | | | | Port Control Pointer RecOut Comm 2 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30EH | 41743 | | | | Port Control Pointer TrmIn Comm 2 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A30FH | 41744 | | | | Port Control Pointer TrmOut Comm 2 | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A310H | 41745 | | | | Port Control Pointer RecIn Comm 1 (232/485) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A311H | 41746 | | | | Port Control Pointer RecOut Comm 1 (232/485) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A312H | 41747 | | | | Port Control Pointer TrmIn Comm 1 (232/485) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A313H | 41748 | | | | Port Control Pointer TrmOut Comm 1 (232/485) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A314H | 41749 | | | | Port Control Pointer RecIn Comm Reserved (DIAG) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A315H | 41750 | | | | Port Control Pointer RecOut Comm Reserved (DIAG) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A316H | 41751 | | | | Port Control Pointer TrmIn Comm Reserved (DIAG) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A317H | 41752 | | | | Port Control Pointer TrmOut Comm Reserved (DIAG) | byte 511 / byte 0 | 1 byte | | R/W | Ch.5 |
| A318H | 41753 | | | | Port and Buffer Selection | | | | R/W | Ch.5 |
| A400H-A5FFH | 41985-42496 | | | | Communication Buffer | | | | R/W | Ch.5 |
| | | | | | | | | | | |
| ADC0H-ADFFH | 44481-44544 | | | | Reserved | | | | R | |
| | Test Mode: Preset Enrgy Update | | | | | | | | | |
| AE00H | 44545 | | | | Preset Energy File Block Index | | | | W | |
| AE01H-AE20H | 44546-44577 | | | | Preset Energy File Block | | | | W | |
| AE21H | 44578 | | | | R: Preset Energy File Update Status:<br>0x0000 - Update file not allowed<br>0x0001 - Update file start<br>0x0002 - Update file progress<br>0x0003 - Update file sucess<br>0x0004 - Update file fail(bad format)<br>0x0005 - Update file fail(bad crc)<br>0x0006 - Update file fail(timeout)<br>0xFFFF - Update file allow<br>W: Preset Energy File checksum | | | | R/W | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Programmable Settings Block 1 (Range: B000H - CFFFH) | | | | | | | | | |
| | Communication Settings Block | | | | | | | | | |
| B000H | 45057 | | | | Address, Port 4 (I/O) | | | | R | |
| B001H | 45058 | | | | Protocol & Baud Rate, Port 4 (I/O) | | | | R | |
| B002H | 45059 | | | | Parity & Stop Bits, Port 4 (I/O) | | | | R | |
| B003H | 45060 | | | | Data Bits & Response Delay, Port 4(I/O) | | | | R | |
| B004H | 45061 | | | | Address, Port 3 | | | | R | |
| B005H | 45062 | | | | Protocol & Baud Rate, Port 3 | | | | R | |
| B006H | 45063 | | | | Parity & Stop Bits, Port 3 | | | | R | |
| B007H | 45064 | | | | Data Bits & Response Delay, Port 3 | | | | R | |
| B008H | 45065 | | | | Address, Port 2 | | | | R | |
| B009H | 45066 | | | | Protocol & Baud Rate, Port 2 | | | | R | |
| B00AH | 45067 | | | | Parity & Stop Bits, Port 2 | | | | R | |
| B00BH | 45068 | | | | Data Bits & Response Delay, Port 2 | | | | R | |
| B00CH | 45069 | | | | Address, Port 1 (232/485) | | | | R | |
| B00DH | 45070 | | | | Protocol & Baud Rate, Port 1 (232/485) | | | | R | |
| B00EH | 45071 | | | | Parity & Stop Bits, Port 1 (232/485) | | | | R | |
| B00FH | 45072 | | | | Data Bits & Response Delay, Port 1 (232/485) | | | | R | |
| B010H | 45073 | | | | Port 4 (I/O) Mode / Port 3 Mode | | | | R | |
| B011H | 45074 | | | | Port 2 Mode / Port 1 Mode | | | | R | |
| B012H | 45075 | | | | Reserved | | | | | |
| B013H | 45076 | | | | Reserved | | | | | |
| | Limit Settings Block | | | | | | | | | |
| B014H | 45077 | | | | Line Number, Limit 1 | | | | R | |
| B015H | 45078 | | | | Point Number and SAB, Limit 1 | | | | R | |
| B016H | 45079 | | | | Value 1, Limit 1 | | | | R | |
| B017H | 45080 | | | | Value 2, Limit 1 | | | | R | |
| B018H | 45081 | | | | Line Number, Limit 2 | | | | R | |
| B019H | 45082 | | | | Point Number and SAB, Limit 2 | | | | R | |
| B01AH | 45083 | | | | Value 1, Limit 2 | | | | R | |
| B01BH | 45084 | | | | Value 2, Limit 2 | | | | R | |
| B01CH | 45085 | | | | Line Number, Limit 3 | | | | R | |
| B01DH | 45086 | | | | Point Number and SAB, Limit 3 | | | | R | |
| B01EH | 45087 | | | | Value 1, Limit 3 | | | | R | |
| B01FH | 45088 | | | | Value 2, Limit 3 | | | | R | |
| B020H | 45089 | | | | Line Number, Limit 4 | | | | R | |
| B021H | 45090 | | | | Point Number and SAB, Limit 4 | | | | R | |
| B022H | 45091 | | | | Value 1, Limit 4 | | | | R | |
| B023H | 45092 | | | | Value 2, Limit 4 | | | | R | |
| B024H | 45093 | | | | Line Number, Limit 5 | | | | R | |
| B025H | 45094 | | | | Point Number and SAB, Limit 5 | | | | R | |
| B026H | 45095 | | | | Value 1, Limit 5 | | | | R | |
| B027H | 45096 | | | | Value 2, Limit 5 | | | | R | |
| B028H | 45097 | | | | Line Number, Limit 6 | | | | R | |
| B029H | 45098 | | | | Point Number and SAB, Limit 6 | | | | R | |
| B02AH | 45099 | | | | Value 1, Limit 6 | | | | R | |
| B02BH | 45100 | | | | Value 2, Limit 6 | | | | R | |
| B02CH | 45101 | | | | Line Number, Limit 7 | | | | R | |
| B02DH | 45102 | | | | Point Number and SAB, Limit 7 | | | | R | |
| B02EH | 45103 | | | | Value 1, Limit 7 | | | | R | |
| B02FH | 45104 | | | | Value 2, Limit 7 | | | | R | |
| B030H | 45105 | | | | Line Number, Limit 8 | | | | R | |
| B031H | 45106 | | | | Point Number and SAB, Limit 8 | | | | R | |
| B032H | 45107 | | | | Value 1, Limit 8 | | | | R | |
| B033H | 45108 | | | | Value 2, Limit 8 | | | | R | |
| B034H | 45109 | | | | Line Number, Limit 9 | | | | R | |
| B035H | 45110 | | | | Point Number and SAB, Limit 9 | | | | R | |
| B036H | 45111 | | | | Value 1, Limit 9 | | | | R | |
| B037H | 45112 | | | | Value 2, Limit 9 | | | | R | |
| B038H | 45113 | | | | Line Number, Limit 10 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B039H | 45114 | | | | Point Number and SAB, Limit 10 | | | | R | |
| B03AH | 45115 | | | | Value 1, Limit 10 | | | | R | |
| B03BH | 45116 | | | | Value 2, Limit 10 | | | | R | |
| B03CH | 45117 | | | | Line Number, Limit 11 | | | | R | |
| B03DH | 45118 | | | | Point Number and SAB, Limit 11 | | | | R | |
| B03EH | 45119 | | | | Value 1, Limit 11 | | | | R | |
| B03FH | 45120 | | | | Value 2, Limit 11 | | | | R | |
| B040H | 45121 | | | | Line Number, Limit 12 | | | | R | |
| B041H | 45122 | | | | Point Number and SAB, Limit 12 | | | | R | |
| B042H | 45123 | | | | Value 1, Limit 12 | | | | R | |
| B043H | 45124 | | | | Value 2, Limit 12 | | | | R | |
| B044H | 45125 | | | | Line Number, Limit 13 | | | | R | |
| B045H | 45126 | | | | Point Number and SAB, Limit 13 | | | | R | |
| B046H | 45127 | | | | Value 1, Limit 13 | | | | R | |
| B047H | 45128 | | | | Value 2, Limit 13 | | | | R | |
| B048H | 45129 | | | | Line Number, Limit 14 | | | | R | |
| B049H | 45130 | | | | Point Number and SAB, Limit 14 | | | | R | |
| B04AH | 45131 | | | | Value 1, Limit 14 | | | | R | |
| B04BH | 45132 | | | | Value 2, Limit 14 | | | | R | |
| B04CH | 45133 | | | | Line Number, Limit 15 | | | | R | |
| B04DH | 45134 | | | | Point Number and SAB, Limit 15 | | | | R | |
| B04EH | 45135 | | | | Value 1, Limit 15 | | | | R | |
| B04FH | 45136 | | | | Value 2, Limit 15 | | | | R | |
| B050H | 45137 | | | | Line Number, Limit 16 | | | | R | |
| B051H | 45138 | | | | Point Number and SAB, Limit 16 | | | | R | |
| B052H | 45139 | | | | Value 1, Limit 16 | | | | R | |
| B053H | 45140 | | | | Value 2, Limit 16 | | | | R | |
| B054H | 45141 | | | | Line Number, Limit 17 | | | | R | |
| B055H | 45142 | | | | Point Number and SAB, Limit 17 | | | | R | |
| B056H | 45143 | | | | Value 1, Limit 17 | | | | R | |
| B057H | 45144 | | | | Value 2, Limit 17 | | | | R | |
| B058H | 45145 | | | | Line Number, Limit 18 | | | | R | |
| B059H | 45146 | | | | Point Number and SAB, Limit 18 | | | | R | |
| B05AH | 45147 | | | | Value 1, Limit 18 | | | | R | |
| B05BH | 45148 | | | | Value 2, Limit 18 | | | | R | |
| B05CH | 45149 | | | | Line Number, Limit 19 | | | | R | |
| B05DH | 45150 | | | | Point Number and SAB, Limit 19 | | | | R | |
| B05EH | 45151 | | | | Value 1, Limit 19 | | | | R | |
| B05FH | 45152 | | | | Value 2, Limit 19 | | | | R | |
| B060H | 45153 | | | | Line Number, Limit 20 | | | | R | |
| B061H | 45154 | | | | Point Number and SAB, Limit 20 | | | | R | |
| B062H | 45155 | | | | Value 1, Limit 20 | | | | R | |
| B063H | 45156 | | | | Value 2, Limit 20 | | | | R | |
| B064H | 45157 | | | | Line Number, Limit 21 | | | | R | |
| B065H | 45158 | | | | Point Number and SAB, Limit 21 | | | | R | |
| B066H | 45159 | | | | Value 1, Limit 21 | | | | R | |
| B067H | 45160 | | | | Value 2, Limit 21 | | | | R | |
| B068H | 45161 | | | | Line Number, Limit 22 | | | | R | |
| B069H | 45162 | | | | Point Number and SAB, Limit 22 | | | | R | |
| B06AH | 45163 | | | | Value 1, Limit 22 | | | | R | |
| B06BH | 45164 | | | | Value 2, Limit 22 | | | | R | |
| B06CH | 45165 | | | | Line Number, Limit 23 | | | | R | |
| B06DH | 45166 | | | | Point Number and SAB, Limit 23 | | | | R | |
| B06EH | 45167 | | | | Value 1, Limit 23 | | | | R | |
| B06FH | 45168 | | | | Value 2, Limit 23 | | | | R | |
| B070H | 45169 | | | | Line Number, Limit 24 | | | | R | |
| B071H | 45170 | | | | Point Number and SAB, Limit 24 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B072H | 45171 | | | | Value 1, Limit 24 | | | | R | |
| B073H | 45172 | | | | Value 2, Limit 24 | | | | R | |
| B074H | 45173 | | | | Line Number, Limit 25 | | | | R | |
| B075H | 45174 | | | | Point Number and SAB, Limit 25 | | | | R | |
| B076H | 45175 | | | | Value 1, Limit 25 | | | | R | |
| B077H | 45176 | | | | Value 2, Limit 25 | | | | R | |
| B078H | 45177 | | | | Line Number, Limit 26 | | | | R | |
| B079H | 45178 | | | | Point Number and SAB, Limit 26 | | | | R | |
| B07AH | 45179 | | | | Value 1, Limit 26 | | | | R | |
| B07BH | 45180 | | | | Value 2, Limit 26 | | | | R | |
| B07CH | 45181 | | | | Line Number, Limit 27 | | | | R | |
| B07DH | 45182 | | | | Point Number and SAB, Limit 27 | | | | R | |
| B07EH | 45183 | | | | Value 1, Limit 27 | | | | R | |
| B07FH | 45184 | | | | Value 2, Limit 27 | | | | R | |
| B080H | 45185 | | | | Line Number, Limit 28 | | | | R | |
| B081H | 45186 | | | | Point Number and SAB, Limit 28 | | | | R | |
| B082H | 45187 | | | | Value 1, Limit 28 | | | | R | |
| B083H | 45188 | | | | Value 2, Limit 28 | | | | R | |
| B084H | 45189 | | | | Line Number, Limit 29 | | | | R | |
| B085H | 45190 | | | | Point Number and SAB, Limit 29 | | | | R | |
| B086H | 45191 | | | | Value 1, Limit 29 | | | | R | |
| B087H | 45192 | | | | Value 2, Limit 29 | | | | R | |
| B088H | 45193 | | | | Line Number, Limit 30 | | | | R | |
| B089H | 45194 | | | | Point Number and SAB, Limit 30 | | | | R | |
| B08AH | 45195 | | | | Value 1, Limit 30 | | | | R | |
| B08BH | 45196 | | | | Value 2, Limit 30 | | | | R | |
| B08CH | 45197 | | | | Line Number, Limit 31 | | | | R | |
| B08DH | 45198 | | | | Point Number and SAB, Limit 31 | | | | R | |
| B08EH | 45199 | | | | Value 1, Limit 31 | | | | R | |
| B08FH | 45200 | | | | Value 2, Limit 31 | | | | R | |
| B090H | 45201 | | | | Line Number, Limit 32 | | | | R | |
| B091H | 45202 | | | | Point Number and SAB, Limit 32 | | | | R | |
| B092H | 45203 | | | | Value 1, Limit 32 | | | | R | |
| B093H | 45204 | | | | Value 2, Limit 32 | | | | R | |
| | Historical Log Settings Block | | | | | | | | | |
| B094H | 45205 | | | | Line Number, Historical Log 1, Parameter 1 | | | | R | |
| B095H | 45206 | | | | Point Number, Historical Log 1, Parameter 1 | | | | R | |
| B096H | 45207 | | | | Line Number, Historical Log 1, Parameter 2 | | | | R | |
| B097H | 45208 | | | | Point Number, Historical Log 1, Parameter 2 | | | | R | |
| B098H | 45209 | | | | Line Number, Historical Log 1, Parameter 3 | | | | R | |
| B099H | 45210 | | | | Point Number, Historical Log 1, Parameter 3 | | | | R | |
| B09AH | 45211 | | | | Line Number, Historical Log 1, Parameter 4 | | | | R | |
| B09BH | 45212 | | | | Point Number, Historical Log 1, Parameter 4 | | | | R | |
| B09CH | 45213 | | | | Line Number, Historical Log 1, Parameter 5 | | | | R | |
| B09DH | 45214 | | | | Point Number, Historical Log 1, Parameter 5 | | | | R | |
| B09EH | 45215 | | | | Line Number, Historical Log 1, Parameter 6 | | | | R | |
| B09FH | 45216 | | | | Point Number, Historical Log 1, Parameter 6 | | | | R | |
| B0A0H | 45217 | | | | Line Number, Historical Log 1, Parameter 7 | | | | R | |
| B0A1H | 45218 | | | | Point Number, Historical Log 1, Parameter 7 | | | | R | |
| B0A2H | 45219 | | | | Line Number, Historical Log 1, Parameter 8 | | | | R | |
| B0A3H | 45220 | | | | Point Number, Historical Log 1, Parameter 8 | | | | R | |
| B0A4H | 45221 | | | | Line Number, Historical Log 1, Parameter 9 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B0A5H | 45222 | | | | Point Number, Historical Log 1, Parameter 9 | | | | R | |
| B0A6H | 45223 | | | | Line Number, Historical Log 1, Parameter 10 | | | | R | |
| B0A7H | 45224 | | | | Point Number, Historical Log 1, Parameter 10 | | | | R | |
| B0A8H | 45225 | | | | Line Number, Historical Log 1, Parameter 11 | | | | R | |
| B0A9H | 45226 | | | | Point Number, Historical Log 1, Parameter 11 | | | | R | |
| B0AAH | 45227 | | | | Line Number, Historical Log 1, Parameter 12 | | | | R | |
| B0ABH | 45228 | | | | Point Number, Historical Log 1, Parameter 12 | | | | R | |
| B0ACH | 45229 | | | | Line Number, Historical Log 1, Parameter 13 | | | | R | |
| B0ADH | 45230 | | | | Point Number, Historical Log 1, Parameter 13 | | | | R | |
| B0AEH | 45231 | | | | Line Number, Historical Log 1, Parameter 14 | | | | R | |
| B0AFH | 45232 | | | | Point Number, Historical Log 1, Parameter 14 | | | | R | |
| B0B0H | 45233 | | | | Line Number, Historical Log 1, Parameter 15 | | | | R | |
| B0B1H | 45234 | | | | Point Number, Historical Log 1, Parameter 15 | | | | R | |
| B0B2H | 45235 | | | | Line Number, Historical Log 1, Parameter 16 | | | | R | |
| B0B3H | 45236 | | | | Point Number, Historical Log 1, Parameter 16 | | | | R | |
| B0B4H | 45237 | | | | Line Number, Historical Log 1, Parameter 17 | | | | R | |
| B0B5H | 45238 | | | | Point Number, Historical Log 1, Parameter 17 | | | | R | |
| B0B6H | 45239 | | | | Line Number, Historical Log 1, Parameter 18 | | | | R | |
| B0B7H | 45240 | | | | Point Number, Historical Log 1, Parameter 18 | | | | R | |
| B0B8H | 45241 | | | | Line Number, Historical Log 1, Parameter 19 | | | | R | |
| B0B9H | 45242 | | | | Point Number, Historical Log 1, Parameter 19 | | | | R | |
| B0BAH | 45243 | | | | Line Number, Historical Log 1, Parameter 20 | | | | R | |
| B0BBH | 45244 | | | | Point Number, Historical Log 1, Parameter 20 | | | | R | |
| B0BCH | 45245 | | | | Line Number, Historical Log 1, Parameter 21 | | | | R | |
| B0BDH | 45246 | | | | Point Number, Historical Log 1, Parameter 21 | | | | R | |
| B0BEH | 45247 | | | | Line Number, Historical Log 1, Parameter 22 | | | | R | |
| B0BFH | 45248 | | | | Point Number, Historical Log 1, Parameter 22 | | | | R | |
| B0C0H | 45249 | | | | Line Number, Historical Log 1, Parameter 23 | | | | R | |
| B0C1H | 45250 | | | | Point Number, Historical Log 1, Parameter 23 | | | | R | |
| B0C2H | 45251 | | | | Line Number, Historical Log 1, Parameter 24 | | | | R | |
| B0C3H | 45252 | | | | Point Number, Historical Log 1, Parameter 24 | | | | R | |
| B0C4H | 45253 | | | | Line Number, Historical Log 1, Parameter 25 | | | | R | |
| B0C5H | 45254 | | | | Point Number, Historical Log 1, Parameter 25 | | | | R | |
| B0C6H | 45255 | | | | Line Number, Historical Log 1, Parameter 26 | | | | R | |
| B0C7H | 45256 | | | | Point Number, Historical Log 1, Parameter 26 | | | | R | |
| B0C8H | 45257 | | | | Line Number, Historical Log 1, Parameter 27 | | | | R | |
| B0C9H | 45258 | | | | Point Number, Historical Log 1, Parameter 27 | | | | R | |
| B0CAH | 45259 | | | | Line Number, Historical Log 1, Parameter 28 | | | | R | |
| B0CBH | 45260 | | | | Point Number, Historical Log 1, Parameter 28 | | | | R | |
| B0CCH | 45261 | | | | Line Number, Historical Log 1, Parameter 29 | | | | R | |
| B0CDH | 45262 | | | | Point Number, Historical Log 1, Parameter 29 | | | | R | |
| B0CEH | 45263 | | | | Line Number, Historical Log 1, Parameter 30 | | | | R | |
| B0CFH | 45264 | | | | Point Number, Historical Log 1, Parameter 30 | | | | R | |
| B0D0H | 45265 | | | | Line Number, Historical Log 1, Parameter 31 | | | | R | |
| B0D1H | 45266 | | | | Point Number, Historical Log 1, Parameter 31 | | | | R | |
| B0D2H | 45267 | | | | Line Number, Historical Log 1, Parameter 32 | | | | R | |
| B0D3H | 45268 | | | | Point Number, Historical Log 1, Parameter 32 | | | | R | |
| B0D4H | 45269 | | | | Line Number, Historical Log 1, Parameter 33 | | | | R | |
| B0D5H | 45270 | | | | Point Number, Historical Log 1, Parameter 33 | | | | R | |
| B0D6H | 45271 | | | | Line Number, Historical Log 1, Parameter 34 | | | | R | |
| B0D7H | 45272 | | | | Point Number, Historical Log 1, Parameter 34 | | | | R | |
| B0D8H | 45273 | | | | Line Number, Historical Log 1, Parameter 35 | | | | R | |
| B0D9H | 45274 | | | | Point Number, Historical Log 1, Parameter 35 | | | | R | |
| B0DAH | 45275 | | | | Line Number, Historical Log 1, Parameter 36 | | | | R | |
| B0DBH | 45276 | | | | Point Number, Historical Log 1, Parameter 36 | | | | R | |
| B0DCH | 45277 | | | | Line Number, Historical Log 1, Parameter 37 | | | | R | |
| B0DDH | 45278 | | | | Point Number, Historical Log 1, Parameter 37 | | | | R | |
| B0DEH | 45279 | | | | Line Number, Historical Log 1, Parameter 38 | | | | R | |
| B0DFH | 45280 | | | | Point Number, Historical Log 1, Parameter 38 | | | | R | |
| B0E0H | 45281 | | | | Line Number, Historical Log 1, Parameter 39 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B0E1H | 45282 | | | | Point Number, Historical Log 1, Parameter 39 | | | | R | |
| B0E2H | 45283 | | | | Line Number, Historical Log 1, Parameter 40 | | | | R | |
| B0E3H | 45284 | | | | Point Number, Historical Log 1, Parameter 40 | | | | R | |
| B0E4H | 45285 | | | | Line Number, Historical Log 1, Parameter 41 | | | | R | |
| B0E5H | 45286 | | | | Point Number, Historical Log 1, Parameter 41 | | | | R | |
| B0E6H | 45287 | | | | Line Number, Historical Log 1, Parameter 42 | | | | R | |
| B0E7H | 45288 | | | | Point Number, Historical Log 1, Parameter 42 | | | | R | |
| B0E8H | 45289 | | | | Line Number, Historical Log 1, Parameter 43 | | | | R | |
| B0E9H | 45290 | | | | Point Number, Historical Log 1, Parameter 43 | | | | R | |
| B0EAH | 45291 | | | | Line Number, Historical Log 1, Parameter 44 | | | | R | |
| B0EBH | 45292 | | | | Point Number, Historical Log 1, Parameter 44 | | | | R | |
| B0ECH | 45293 | | | | Line Number, Historical Log 1, Parameter 45 | | | | R | |
| B0EDH | 45294 | | | | Point Number, Historical Log 1, Parameter 45 | | | | R | |
| B0EEH | 45295 | | | | Line Number, Historical Log 1, Parameter 46 | | | | R | |
| B0EFH | 45296 | | | | Point Number, Historical Log 1, Parameter 46 | | | | R | |
| B0F0H | 45297 | | | | Line Number, Historical Log 1, Parameter 47 | | | | R | |
| B0F1H | 45298 | | | | Point Number, Historical Log 1, Parameter 47 | | | | R | |
| B0F2H | 45299 | | | | Line Number, Historical Log 1, Parameter 48 | | | | R | |
| B0F3H | 45300 | | | | Point Number, Historical Log 1, Parameter 48 | | | | R | |
| B0F4H | 45301 | | | | Line Number, Historical Log 1, Parameter 49 | | | | R | |
| B0F5H | 45302 | | | | Point Number, Historical Log 1, Parameter 49 | | | | R | |
| B0F6H | 45303 | | | | Line Number, Historical Log 1, Parameter 50 | | | | R | |
| B0F7H | 45304 | | | | Point Number, Historical Log 1, Parameter 50 | | | | R | |
| B0F8H | 45305 | | | | Line Number, Historical Log 1, Parameter 51 | | | | R | |
| B0F9H | 45306 | | | | Point Number, Historical Log 1, Parameter 51 | | | | R | |
| B0FAH | 45307 | | | | Line Number, Historical Log 1, Parameter 52 | | | | R | |
| B0FBH | 45308 | | | | Point Number, Historical Log 1, Parameter 52 | | | | R | |
| B0FCH | 45309 | | | | Line Number, Historical Log 1, Parameter 53 | | | | R | |
| B0FDH | 45310 | | | | Point Number, Historical Log 1, Parameter 53 | | | | R | |
| B0FEH | 45311 | | | | Line Number, Historical Log 1, Parameter 54 | | | | R | |
| B0FFH | 45312 | | | | Point Number, Historical Log 1, Parameter 54 | | | | R | |
| B100H | 45313 | | | | Line Number, Historical Log 1, Parameter 55 | | | | R | |
| B101H | 45314 | | | | Point Number, Historical Log 1, Parameter 55 | | | | R | |
| B102H | 45315 | | | | Line Number, Historical Log 1, Parameter 56 | | | | R | |
| B103H | 45316 | | | | Point Number, Historical Log 1, Parameter 56 | | | | R | |
| B104H | 45317 | | | | Line Number, Historical Log 1, Parameter 57 | | | | R | |
| B105H | 45318 | | | | Point Number, Historical Log 1, Parameter 57 | | | | R | |
| B106H | 45319 | | | | Line Number, Historical Log 1, Parameter 58 | | | | R | |
| B107H | 45320 | | | | Point Number, Historical Log 1, Parameter 58 | | | | R | |
| B108H | 45321 | | | | Line Number, Historical Log 1, Parameter 59 | | | | R | |
| B109H | 45322 | | | | Point Number, Historical Log 1, Parameter 59 | | | | R | |
| B10AH | 45323 | | | | Line Number, Historical Log 1, Parameter 60 | | | | R | |
| B10BH | 45324 | | | | Point Number, Historical Log 1, Parameter 60 | | | | R | |
| B10CH | 45325 | | | | Line Number, Historical Log 1, Parameter 61 | | | | R | |
| B10DH | 45326 | | | | Point Number, Historical Log 1, Parameter 61 | | | | R | |
| B10EH | 45327 | | | | Line Number, Historical Log 1, Parameter 62 | | | | R | |
| B10FH | 45328 | | | | Point Number, Historical Log 1, Parameter 62 | | | | R | |
| B110H | 45329 | | | | Line Number, Historical Log 1, Parameter 63 | | | | R | |
| B111H | 45330 | | | | Point Number, Historical Log 1, Parameter 63 | | | | R | |
| B112H | 45331 | | | | Line Number, Historical Log 1, Parameter 64 | | | | R | |
| B113H | 45332 | | | | Point Number, Historical Log 1, Parameter 64 | | | | R | |
| B114H | 45333 | | | | Line Number, Historical Log 2, Parameter 1 | | | | R | |
| B115H | 45334 | | | | Point Number, Historical Log 2, Parameter 1 | | | | R | |
| B116H | 45335 | | | | Line Number, Historical Log 2, Parameter 2 | | | | R | |
| B117H | 45336 | | | | Point Number, Historical Log 2, Parameter 2 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B118H | 45337 | | | | Line Number, Historical Log 2, Parameter 3 | | | | R | |
| B119H | 45338 | | | | Point Number, Historical Log 2, Parameter 3 | | | | R | |
| B11AH | 45339 | | | | Line Number, Historical Log 2, Parameter 4 | | | | R | |
| B11BH | 45340 | | | | Point Number, Historical Log 2, Parameter 4 | | | | R | |
| B11CH | 45341 | | | | Line Number, Historical Log 2, Parameter 5 | | | | R | |
| B11DH | 45342 | | | | Point Number, Historical Log 2, Parameter 5 | | | | R | |
| B11EH | 45343 | | | | Line Number, Historical Log 2, Parameter 6 | | | | R | |
| B11FH | 45344 | | | | Point Number, Historical Log 2, Parameter 6 | | | | R | |
| B120H | 45345 | | | | Line Number, Historical Log 2, Parameter 7 | | | | R | |
| B121H | 45346 | | | | Point Number, Historical Log 2, Parameter 7 | | | | R | |
| B122H | 45347 | | | | Line Number, Historical Log 2, Parameter 8 | | | | R | |
| B123H | 45348 | | | | Point Number, Historical Log 2, Parameter 8 | | | | R | |
| B124H | 45349 | | | | Line Number, Historical Log 2, Parameter 9 | | | | R | |
| B125H | 45350 | | | | Point Number, Historical Log 2, Parameter 9 | | | | R | |
| B126H | 45351 | | | | Line Number, Historical Log 2, Parameter 10 | | | | R | |
| B127H | 45352 | | | | Point Number, Historical Log 2, Parameter 10 | | | | R | |
| B128H | 45353 | | | | Line Number, Historical Log 2, Parameter 11 | | | | R | |
| B129H | 45354 | | | | Point Number, Historical Log 2, Parameter 11 | | | | R | |
| B12AH | 45355 | | | | Line Number, Historical Log 2, Parameter 12 | | | | R | |
| B12BH | 45356 | | | | Point Number, Historical Log 2, Parameter 12 | | | | R | |
| B12CH | 45357 | | | | Line Number, Historical Log 2, Parameter 13 | | | | R | |
| B12DH | 45358 | | | | Point Number, Historical Log 2, Parameter 13 | | | | R | |
| B12EH | 45359 | | | | Line Number, Historical Log 2, Parameter 14 | | | | R | |
| B12FH | 45360 | | | | Point Number, Historical Log 2, Parameter 14 | | | | R | |
| B130H | 45361 | | | | Line Number, Historical Log 2, Parameter 15 | | | | R | |
| B131H | 45362 | | | | Point Number, Historical Log 2, Parameter 15 | | | | R | |
| B132H | 45363 | | | | Line Number, Historical Log 2, Parameter 16 | | | | R | |
| B133H | 45364 | | | | Point Number, Historical Log 2, Parameter 16 | | | | R | |
| B134H | 45365 | | | | Line Number, Historical Log 2, Parameter 17 | | | | R | |
| B135H | 45366 | | | | Point Number, Historical Log 2, Parameter 17 | | | | R | |
| B136H | 45367 | | | | Line Number, Historical Log 2, Parameter 18 | | | | R | |
| B137H | 45368 | | | | Point Number, Historical Log 2, Parameter 18 | | | | R | |
| B138H | 45369 | | | | Line Number, Historical Log 2, Parameter 19 | | | | R | |
| B139H | 45370 | | | | Point Number, Historical Log 2, Parameter 19 | | | | R | |
| B13AH | 45371 | | | | Line Number, Historical Log 2, Parameter 20 | | | | R | |
| B13BH | 45372 | | | | Point Number, Historical Log 2, Parameter 20 | | | | R | |
| B13CH | 45373 | | | | Line Number, Historical Log 2, Parameter 21 | | | | R | |
| B13DH | 45374 | | | | Point Number, Historical Log 2, Parameter 21 | | | | R | |
| B13EH | 45375 | | | | Line Number, Historical Log 2, Parameter 22 | | | | R | |
| B13FH | 45376 | | | | Point Number, Historical Log 2, Parameter 22 | | | | R | |
| B140H | 45377 | | | | Line Number, Historical Log 2, Parameter 23 | | | | R | |
| B141H | 45378 | | | | Point Number, Historical Log 2, Parameter 23 | | | | R | |
| B142H | 45379 | | | | Line Number, Historical Log 2, Parameter 24 | | | | R | |
| B143H | 45380 | | | | Point Number, Historical Log 2, Parameter 24 | | | | R | |
| B144H | 45381 | | | | Line Number, Historical Log 2, Parameter 25 | | | | R | |
| B145H | 45382 | | | | Point Number, Historical Log 2, Parameter 25 | | | | R | |
| B146H | 45383 | | | | Line Number, Historical Log 2, Parameter 26 | | | | R | |
| B147H | 45384 | | | | Point Number, Historical Log 2, Parameter 26 | | | | R | |
| B148H | 45385 | | | | Line Number, Historical Log 2, Parameter 27 | | | | R | |
| B149H | 45386 | | | | Point Number, Historical Log 2, Parameter 27 | | | | R | |
| B14AH | 45387 | | | | Line Number, Historical Log 2, Parameter 28 | | | | R | |
| B14BH | 45388 | | | | Point Number, Historical Log 2, Parameter 28 | | | | R | |
| B14CH | 45389 | | | | Line Number, Historical Log 2, Parameter 29 | | | | R | |
| B14DH | 45390 | | | | Point Number, Historical Log 2, Parameter 29 | | | | R | |
| B14EH | 45391 | | | | Line Number, Historical Log 2, Parameter 30 | | | | R | |
| B14FH | 45392 | | | | Point Number, Historical Log 2, Parameter 30 | | | | R | |
| B150H | 45393 | | | | Line Number, Historical Log 2, Parameter 31 | | | | R | |
| B151H | 45394 | | | | Point Number, Historical Log 2, Parameter 31 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B152H | 45395 | | | | Line Number, Historical Log 2, Parameter 32 | | | | R | |
| B153H | 45396 | | | | Point Number, Historical Log 2, Parameter 32 | | | | R | |
| B154H | 45397 | | | | Line Number, Historical Log 2, Parameter 33 | | | | R | |
| B155H | 45398 | | | | Point Number, Historical Log 2, Parameter 33 | | | | R | |
| B156H | 45399 | | | | Line Number, Historical Log 2, Parameter 34 | | | | R | |
| B157H | 45400 | | | | Point Number, Historical Log 2, Parameter 34 | | | | R | |
| B158H | 45401 | | | | Line Number, Historical Log 2, Parameter 35 | | | | R | |
| B159H | 45402 | | | | Point Number, Historical Log 2, Parameter 35 | | | | R | |
| B15AH | 45403 | | | | Line Number, Historical Log 2, Parameter 36 | | | | R | |
| B15BH | 45404 | | | | Point Number, Historical Log 2, Parameter 36 | | | | R | |
| B15CH | 45405 | | | | Line Number, Historical Log 2, Parameter 37 | | | | R | |
| B15DH | 45406 | | | | Point Number, Historical Log 2, Parameter 37 | | | | R | |
| B15EH | 45407 | | | | Line Number, Historical Log 2, Parameter 38 | | | | R | |
| B15FH | 45408 | | | | Point Number, Historical Log 2, Parameter 38 | | | | R | |
| B160H | 45409 | | | | Line Number, Historical Log 2, Parameter 39 | | | | R | |
| B161H | 45410 | | | | Point Number, Historical Log 2, Parameter 39 | | | | R | |
| B162H | 45411 | | | | Line Number, Historical Log 2, Parameter 40 | | | | R | |
| B163H | 45412 | | | | Point Number, Historical Log 2, Parameter 40 | | | | R | |
| B164H | 45413 | | | | Line Number, Historical Log 2, Parameter 41 | | | | R | |
| B165H | 45414 | | | | Point Number, Historical Log 2, Parameter 41 | | | | R | |
| B166H | 45415 | | | | Line Number, Historical Log 2, Parameter 42 | | | | R | |
| B167H | 45416 | | | | Point Number, Historical Log 2, Parameter 42 | | | | R | |
| B168H | 45417 | | | | Line Number, Historical Log 2, Parameter 43 | | | | R | |
| B169H | 45418 | | | | Point Number, Historical Log 2, Parameter 43 | | | | R | |
| B16AH | 45419 | | | | Line Number, Historical Log 2, Parameter 44 | | | | R | |
| B16BH | 45420 | | | | Point Number, Historical Log 2, Parameter 44 | | | | R | |
| B16CH | 45421 | | | | Line Number, Historical Log 2, Parameter 45 | | | | R | |
| B16DH | 45422 | | | | Point Number, Historical Log 2, Parameter 45 | | | | R | |
| B16EH | 45423 | | | | Line Number, Historical Log 2, Parameter 46 | | | | R | |
| B16FH | 45424 | | | | Point Number, Historical Log 2, Parameter 46 | | | | R | |
| B170H | 45425 | | | | Line Number, Historical Log 2, Parameter 47 | | | | R | |
| B171H | 45426 | | | | Point Number, Historical Log 2, Parameter 47 | | | | R | |
| B172H | 45427 | | | | Line Number, Historical Log 2, Parameter 48 | | | | R | |
| B173H | 45428 | | | | Point Number, Historical Log 2, Parameter 48 | | | | R | |
| B174H | 45429 | | | | Line Number, Historical Log 2, Parameter 49 | | | | R | |
| B175H | 45430 | | | | Point Number, Historical Log 2, Parameter 49 | | | | R | |
| B176H | 45431 | | | | Line Number, Historical Log 2, Parameter 50 | | | | R | |
| B177H | 45432 | | | | Point Number, Historical Log 2, Parameter 50 | | | | R | |
| B178H | 45433 | | | | Line Number, Historical Log 2, Parameter 51 | | | | R | |
| B179H | 45434 | | | | Point Number, Historical Log 2, Parameter 51 | | | | R | |
| B17AH | 45435 | | | | Line Number, Historical Log 2, Parameter 52 | | | | R | |
| B17BH | 45436 | | | | Point Number, Historical Log 2, Parameter 52 | | | | R | |
| B17CH | 45437 | | | | Line Number, Historical Log 2, Parameter 53 | | | | R | |
| B17DH | 45438 | | | | Point Number, Historical Log 2, Parameter 53 | | | | R | |
| B17EH | 45439 | | | | Line Number, Historical Log 2, Parameter 54 | | | | R | |
| B17FH | 45440 | | | | Point Number, Historical Log 2, Parameter 54 | | | | R | |
| B180H | 45441 | | | | Line Number, Historical Log 2, Parameter 55 | | | | R | |
| B181H | 45442 | | | | Point Number, Historical Log 2, Parameter 55 | | | | R | |
| B182H | 45443 | | | | Line Number, Historical Log 2, Parameter 56 | | | | R | |
| B183H | 45444 | | | | Point Number, Historical Log 2, Parameter 56 | | | | R | |
| B184H | 45445 | | | | Line Number, Historical Log 2, Parameter 57 | | | | R | |
| B185H | 45446 | | | | Point Number, Historical Log 2, Parameter 57 | | | | R | |
| B186H | 45447 | | | | Line Number, Historical Log 2, Parameter 58 | | | | R | |
| B187H | 45448 | | | | Point Number, Historical Log 2, Parameter 58 | | | | R | |
| B188H | 45449 | | | | Line Number, Historical Log 2, Parameter 59 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B189H | 45450 | | | | Point Number, Historical Log 2, Parameter 59 | | | | R | |
| B18AH | 45451 | | | | Line Number, Historical Log 2, Parameter 60 | | | | R | |
| B18BH | 45452 | | | | Point Number, Historical Log 2, Parameter 60 | | | | R | |
| B18CH | 45453 | | | | Line Number, Historical Log 2, Parameter 61 | | | | R | |
| B18DH | 45454 | | | | Point Number, Historical Log 2, Parameter 61 | | | | R | |
| B18EH | 45455 | | | | Line Number, Historical Log 2, Parameter 62 | | | | R | |
| B18FH | 45456 | | | | Point Number, Historical Log 2, Parameter 62 | | | | R | |
| B190H | 45457 | | | | Line Number, Historical Log 2, Parameter 63 | | | | R | |
| B191H | 45458 | | | | Point Number, Historical Log 2, Parameter 63 | | | | R | |
| B192H | 45459 | | | | Line Number, Historical Log 2, Parameter 64 | | | | R | |
| B193H | 45460 | | | | Point Number, Historical Log 2, Parameter 64 | | | | R | |
| B194H | 45461 | | | | Snapshot Interval, Historical Log 1 | 3600/0 | 1 second | | R | |
| B195H | 45462 | | | | Snapshot Interval, Historical Log 2 | 3600/0 | 1 second | | R | |
| B196H | 45463 | | | | Record Size, Historical Log 1 | | | | R | |
| B197H | 45464 | | | | Record Size, Historical Log 2 | | | | R | |
| | Waveform/CBEMA Settings Block | | | | | | | | | |
| B198H | 45465 | | | | Phase A-N Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B199H | 45466 | | | | Phase B-N Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19AH | 45467 | | | | Phase C-N Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19BH | 45468 | | | | Phase A-B Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19CH | 45469 | | | | Phase B-C Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19DH | 45470 | | | | Phase C-A Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19EH | 45471 | | | | Phase X-N Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B19FH | 45472 | | | | Phase N-E Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A0H | 45473 | | | | Phase A-E Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A1H | 45474 | | | | Phase B-E Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A2H | 45475 | | | | Phase C-E Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A3H | 45476 | | | | Phase X-E Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A4H | 45477 | | | | Phase A-N Voltage Below Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A5H | 45478 | | | | Phase B-N Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A6H | 45479 | | | | Phase C-N Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A7H | 45480 | | | | Phase A-B Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A8H | 45481 | | | | Phase B-C Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1A9H | 45482 | | | | Phase C-A Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1AAH | 45483 | | | | Phase X-N Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1ABH | 45484 | | | | Phase N-E Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1ACH | 45485 | | | | Phase A-E Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1ADH | 45486 | | | | Phase B-E Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1AEH | 45487 | | | | Phase C-E Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1AFH | 45488 | | | | Phase X-E Voltage Above Setpoint | +327.67% / -327.68% | 0.01% | | R | |
| B1B0H | 45489 | | | | Phase A Current Below Setpoint | | | | | |
| B1B1H | 45490 | | | | Phase B Current Below Setpoint | | | | | |
| B1B2H | 45491 | | | | Phase C Current Below Setpoint | | | | | |
| B1B3H | 45492 | | | | Phase X Current Below Setpoint | | | | | |
| B1B4H | 45493 | | | | Phase A Current Above Setpoint | | | | | |
| B1B5H | 45494 | | | | Phase B Current Above Setpoint | | | | | |
| B1B6H | 45495 | | | | Phase C Current Above Setpoint | | | | | |
| B1B7H | 45496 | | | | Phase X Current Above Setpoint | | | | | |
| B1B8H | 45497 | | | | Voltage RMS Sag/Swell | | | | | |
| B1B9H | 45498 | | | | Voltage Wave shape | | | | | |
| B1BAH | 45499 | | | | Current RMS Sag/Swell | | | | | |
| B1BBH | 45500 | | | | Current RMS Chng ROR | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | High Speed Input Settings Block | | | | | | | | | |
| B1BCH-B1C3H | 45501-45508 | | | | Input 1 Name | | | | R | |
| B1C4H-B1CBH | 45509-45516 | | | | Input 1 Open Label | | | | R | |
| B1CCH-B1D3H | 45517-45524 | | | | Input 1 Close Label | | | | R | |
| B1D4H-B1D5H | 45525-45526 | | | | Input 1 Value | | | | R | |
| B1D6H | 45527 | | | | Input 1 Mode | | | | R | |
| B1D7H | 45528 | | | | Reserved | | | | | |
| B1D8H-B1DFH | 45529-45536 | | | | Input 2 Name | | | | R | |
| B1E0H-B1E7H | 45537-45544 | | | | Input 2 Open Label | | | | R | |
| B1E8H-B1EFH | 45545-45552 | | | | Input 2 Close Label | | | | R | |
| B1F0H-B1F1H | 45553-45554 | | | | Input 2 Value | | | | R | |
| B1F2H | 45555 | | | | Input 2 Mode | | | | R | |
| B1F3H | 45556 | | | | Reserved | | | | | |
| B1F4H-B1FBH | 45557-45564 | | | | Input 3 Name | | | | R | |
| B1FCH-B203H | 45565-45572 | | | | Input 3 Open Label | | | | R | |
| B204H-B20BH | 45573-45580 | | | | Input 3 Close Label | | | | R | |
| B20CH-B20DH | 45581-45582 | | | | Input 3 Value | | | | R | |
| B20EH | 45583 | | | | Input 3 Mode | | | | R | |
| B20FH | 45584 | | | | Reserved | | | | | |
| B210H-B217H | 45585-45592 | | | | Input 4 Name | | | | R | |
| B218H-B21FH | 45593-45600 | | | | Input 4 Open Label | | | | R | |
| B220H-B227H | 45601-45608 | | | | Input 4 Close Label | | | | R | |
| B228H-B229H | 45609-45610 | | | | Input 4 Value | | | | R | |
| B22AH | 45611 | | | | Input 4 Mode | | | | R | |
| B22BH | 45612 | | | | Reserved | | | | | |
| B22CH-B233H | 45613-45620 | | | | Input 5 Name | | | | R | |
| B234H-B23BH | 45621-45628 | | | | Input 5 Open Label | | | | R | |
| B23CH-B243H | 45629-45636 | | | | Input 5 Close Label | | | | R | |
| B244H-B245H | 45637-45638 | | | | Input 5 Value | | | | R | |
| B246H | 45639 | | | | Input 5 Mode | | | | R | |
| B247H | 45640 | | | | Reserved | | | | | |
| B248H-B24FH | 45641-45648 | | | | Input 6 Name | | | | R | |
| B250H-B257H | 45649-45656 | | | | Input 6 Open Label | | | | R | |
| B258H-B25FH | 45657-45664 | | | | Input 6 Close Label | | | | R | |
| B260H-B261H | 45665-45666 | | | | Input 6 Value | | | | R | |
| B262H | 45667 | | | | Input 6 Mode | | | | R | |
| B263H | 45668 | | | | Reserved | | | | | |
| B264H-B26BH | 45669-45676 | | | | Input 7 Name | | | | R | |
| B26CH-B273H | 45677-45684 | | | | Input 7 Open Label | | | | R | |
| B274H-B27BH | 45685-45692 | | | | Input 7 Close Label | | | | R | |
| B27CH-B27DH | 45693-45694 | | | | Input 7 Value | | | | R | |
| B27EH | 45695 | | | | Input 7 Mode | | | | R | |
| B27FH | 45696 | | | | Reserved | | | | | |
| B280H-B287H | 45697-45704 | | | | Input 8 Name | | | | R | |
| B288H-B28FH | 45705-45712 | | | | Input 8 Open Label | | | | R | |
| B290H-B297H | 45713-45720 | | | | Input 8 Close Label | | | | R | |
| B298H-B299H | 45721-45722 | | | | Input 8 Value | | | | R | |
| B29AH | 45723 | | | | Input 8 Mode | | | | R | |
| B29BH | 45724 | | | | Reserved | | | | R | |
| B29CH-B29FH | 45725-45728 | | | | Reserved | | | | R | |
| | External Digital Output Module Settings Block | | | | | | | | | |
| B2A0H | 45729 | | | | Address, External Digital Output Module 1 | | | | R | |
| B2A1H-B2A3H | 45730-45732 | | | | Reserved | | | | | |
| B2A4H | 45733 | | | | Line Number, Relay 1, External Digital Output Module 1 | | | | R | |
| B2A5H | 45734 | | | | Point Number, Relay 1, External Digtial Output Module 1 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B2A6H | 45735 | | | | Line Number, Relay 2, External Digital Output Module 1 | | | | R | |
| B2A7H | 45736 | | | | Point Number, Relay 2, External Digtial Output Module 1 | | | | R | |
| B2A8H | 45737 | | | | Line Number, Relay 3, External Digital Output Module 1 | | | | R | |
| B2A9H | 45738 | | | | Point Number, Relay 3, External Digtial Output Module 1 | | | | R | |
| B2AAH | 45739 | | | | Line Number, Relay 4, External Digital Output Module 1 | | | | R | |
| B2ABH | 45740 | | | | Point Number, Relay 4, External Digtial Output Module 1 | | | | R | |
| B2ACH | 45741 | | | | Line Number, Relay 5, External Digital Output Module 1 | | | | R | |
| B2ADH | 45742 | | | | Point Number, Relay 5, External Digtial Output Module 1 | | | | R | |
| B2AEH | 45743 | | | | Line Number, Relay 6, External Digital Output Module 1 | | | | R | |
| B2AFH | 45744 | | | | Point Number, Relay 6, External Digtial Output Module 1 | | | | R | |
| B2B0H | 45745 | | | | Line Number, Relay 7, External Digital Output Module 1 | | | | R | |
| B2B1H | 45746 | | | | Point Number, Relay 7, External Digtial Output Module 1 | | | | R | |
| B2B2H | 45747 | | | | Line Number, Relay 8, External Digital Output Module 1 | | | | R | |
| B2B3H | 45748 | | | | Point Number, Relay 8, External Digtial Output Module 1 | | | | R | |
| B2B4H | 45749 | | | | Address, External Digital Output Module 2 | | | | R | |
| B2B5H-B2B7H | 45750-45752 | | | | Reserved | | | | | |
| B2B8H | 45753 | | | | Line Number, Relay 1, External Digital Output Module 2 | | | | R | |
| B2B9H | 45754 | | | | Point Number, Relay 1, External Digtial Output Module 2 | | | | R | |
| B2BAH | 45755 | | | | Line Number, Relay 2, External Digital Output Module 2 | | | | R | |
| B2BBH | 45756 | | | | Point Number, Relay 2, External Digtial Output Module 2 | | | | R | |
| B2BCH | 45757 | | | | Line Number, Relay 3, External Digital Output Module 2 | | | | R | |
| B2BDH | 45758 | | | | Point Number, Relay 3, External Digtial Output Module 2 | | | | R | |
| B2BEH | 45759 | | | | Line Number, Relay 4, External Digital Output Module 2 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B2BFH | 45760 | | | | Point Number, Relay 4, External Digtial Output Module 2 | | | | R | |
| B2C0H | 45761 | | | | Line Number, Relay 5, External Digital Output Module 2 | | | | R | |
| B2C1H | 45762 | | | | Point Number, Relay 5, External Digtial Output Module 2 | | | | R | |
| B2C2H | 45763 | | | | Line Number, Relay 6, External Digital Output Module 2 | | | | R | |
| B2C3H | 45764 | | | | Point Number, Relay 6, External Digtial Output Module 2 | | | | R | |
| B2C4H | 45765 | | | | Line Number, Relay 7, External Digital Output Module 2 | | | | R | |
| B2C5H | 45766 | | | | Point Number, Relay 7, External Digtial Output Module 2 | | | | R | |
| B2C6H | 45767 | | | | Line Number, Relay 8, External Digital Output Module 2 | | | | R | |
| B2C7H | 45768 | | | | Point Number, Relay 8, External Digtial Output Module 2 | | | | R | |
| B2C8H | 45769 | | | | Address, External Digital Output Module 3 | | | | R | |
| B2C9H-B2CBH | 45770-45772 | | | | Reserved | | | | | |
| B2CCH | 45773 | | | | Line Number, Relay 1, External Digital Output Module 3 | | | | R | |
| B2CDH | 45774 | | | | Point Number, Relay 1, External Digtial Output Module 3 | | | | R | |
| B2CEH | 45775 | | | | Line Number, Relay 2, External Digital Output Module 3 | | | | R | |
| B2CFH | 45776 | | | | Point Number, Relay 2, External Digtial Output Module 3 | | | | R | |
| B2D0H | 45777 | | | | Line Number, Relay 3, External Digital Output Module 3 | | | | R | |
| B2D1H | 45778 | | | | Point Number, Relay 3, External Digtial Output Module 3 | | | | R | |
| B2D2H | 45779 | | | | Line Number, Relay 4, External Digital Output Module 3 | | | | R | |
| B2D3H | 45780 | | | | Point Number, Relay 4, External Digtial Output Module 3 | | | | R | |
| B2D4H | 45781 | | | | Line Number, Relay 5, External Digital Output Module 3 | | | | R | |
| B2D5H | 45782 | | | | Point Number, Relay 5, External Digtial Output Module 3 | | | | R | |
| B2D6H | 45783 | | | | Line Number, Relay 6, External Digital Output Module 3 | | | | R | |
| B2D7H | 45784 | | | | Point Number, Relay 6, External Digtial Output Module 3 | | | | R | |
| B2D8H | 45785 | | | | Line Number, Relay 7, External Digital Output Module 3 | | | | R | |
| B2D9H | 45786 | | | | Point Number, Relay 7, External Digtial Output Module 3 | | | | R | |
| B2DAH | 45787 | | | | Line Number, Relay 8, External Digital Output Module 3 | | | | R | |
| B2DBH | 45788 | | | | Point Number, Relay 8, External Digtial Output Module 3 | | | | R | |
| B2DCH | 45789 | | | | Address, External Digital Output Module 4 | | | | R | |
| B2DDH-B2DFH | 45790-45792 | | | | Reserved | | | | | |
| B2E0H | 45793 | | | | Line Number, Relay 1, External Digital Output Module 4 | | | | R | |
| B2E1H | 45794 | | | | Point Number, Relay 1, External Digtial Output Module 4 | | | | R | |
| B2E2H | 45795 | | | | Line Number, Relay 2, External Digital Output Module 4 | | | | R | |
| B2E3H | 45796 | | | | Point Number, Relay 2, External Digtial Output Module 4 | | | | R | |
| B2E4H | 45797 | | | | Line Number, Relay 3, External Digital Output Module 4 | | | | R | |
| B2E5H | 45798 | | | | Point Number, Relay 3, External Digtial Output Module 4 | | | | R | |
| B2E6H | 45799 | | | | Line Number, Relay 4, External Digital Output Module 4 | | | | R | |
| B2E7H | 45800 | | | | Point Number, Relay 4, External Digtial Output Module 4 | | | | R | |
| B2E8H | 45801 | | | | Line Number, Relay 5, External Digital Output Module 4 | | | | R | |
| B2E9H | 45802 | | | | Point Number, Relay 5, External Digtial Output Module 4 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B2EAH | 45803 | | | | Line Number, Relay 6, External Digital Output Module 4 | | | | R | |
| B2EBH | 45804 | | | | Point Number, Relay 6, External Digtial Output Module 4 | | | | R | |
| B2ECH | 45805 | | | | Line Number, Relay 7, External Digital Output Module 4 | | | | R | |
| B2EDH | 45806 | | | | Point Number, Relay 7, External Digtial Output Module 4 | | | | R | |
| B2EEH | 45807 | | | | Line Number, Relay 8, External Digital Output Module 4 | | | | R | |
| B2EFH | 45808 | | | | Point Number, Relay 8, External Digtial Output Module 4 | | | | R | |
| B2F0H-B2F3H | 45809-45812 | | | | Reserved | | | | R | |
| | External Analog Output Module Settings Block | | | | | | | | | |
| B2F4H | 45813 | | | | Address, External Analog Output Module 1 | | | | R | |
| B2F5H-B2F7H | 45814-45816 | | | | Reserved | | | | | |
| B2F8H | 45817 | | | | Line Number, Relay 1, External Analog Output Module 1 | | | | R | |
| B2F9H | 45818 | | | | Point Number, Relay 1, External Digtial Output Module 1 | | | | R | |
| B2FAH | 45819 | | | | Line Number, Relay 2, External Analog Output Module 1 | | | | R | |
| B2FBH | 45820 | | | | Point Number, Relay 2, External Digtial Output Module 1 | | | | R | |
| B2FCH | 45821 | | | | Line Number, Relay 3, External Analog Output Module 1 | | | | R | |
| B2FDH | 45822 | | | | Point Number, Relay 3, External Digtial Output Module 1 | | | | R | |
| B2FEH | 45823 | | | | Line Number, Relay 4, External Analog Output Module 1 | | | | R | |
| B2FFH | 45824 | | | | Point Number, Relay 4, External Digtial Output Module 1 | | | | R | |
| B300H | 45825 | | | | Line Number, Relay 5, External Analog Output Module 1 | | | | R | |
| B301H | 45826 | | | | Point Number, Relay 5, External Digtial Output Module 1 | | | | R | |
| B302H | 45827 | | | | Line Number, Relay 6, External Analog Output Module 1 | | | | R | |
| B303H | 45828 | | | | Point Number, Relay 6, External Digtial Output Module 1 | | | | R | |
| B304H | 45829 | | | | Line Number, Relay 7, External Analog Output Module 1 | | | | R | |
| B305H | 45830 | | | | Point Number, Relay 7, External Digtial Output Module 1 | | | | R | |
| B306H | 45831 | | | | Line Number, Relay 8, External Analog Output Module 1 | | | | R | |
| B307H | 45832 | | | | Point Number, Relay 8, External Digtial Output Module 1 | | | | R | |
| B308H | 45833 | | | | Address, External Analog Output Module 2 | | | | R | |
| B309H-B30BH | 45834-45836 | | | | Reserved | | | | | |
| B30CH | 45837 | | | | Line Number, Relay 1, External Analog Output Module 2 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B32DH | 45870 | | | | Point Number, Relay 1, External Digtial Output Module 2 | | | | R | |
| B30EH | 45839 | | | | Line Number, Relay 2, External Analog Output Module 2 | | | | R | |
| B30FH | 45840 | | | | Point Number, Relay 2, External Digtial Output Module 2 | | | | R | |
| B310H | 45841 | | | | Line Number, Relay 3, External Analog Output Module 2 | | | | R | |
| B311H | 45842 | | | | Point Number, Relay 3, External Digtial Output Module 2 | | | | R | |
| B312H | 45843 | | | | Line Number, Relay 4, External Analog Output Module 2 | | | | R | |
| B313H | 45844 | | | | Point Number, Relay 4, External Digtial Output Module 2 | | | | R | |
| B314H | 45845 | | | | Line Number, Relay 5, External Analog Output Module 2 | | | | R | |
| B315H | 45846 | | | | Point Number, Relay 5, External Digtial Output Module 2 | | | | R | |
| B316H | 45847 | | | | Line Number, Relay 6, External Analog Output Module 2 | | | | R | |
| B317H | 45848 | | | | Point Number, Relay 6, External Digtial Output Module 2 | | | | R | |
| B318H | 45849 | | | | Line Number, Relay 7, External Analog Output Module 2 | | | | R | |
| B319H | 45850 | | | | Point Number, Relay 7, External Digtial Output Module 2 | | | | R | |
| B31AH | 45851 | | | | Line Number, Relay 8, External Analog Output Module 2 | | | | R | |
| B31BH | 45852 | | | | Point Number, Relay 8, External Digtial Output Module 2 | | | | R | |
| B31CH | 45853 | | | | Address, External Analog Output Module 3 | | | | R | |
| B31DH-B31FH | 45854-45856 | | | | Reserved | | | | | |
| B320H | 45857 | | | | Line Number, Relay 1, External Analog Output Module 3 | | | | R | |
| B321H | 45858 | | | | Point Number, Relay 1, External Digtial Output Module 3 | | | | R | |
| B322H | 45859 | | | | Line Number, Relay 2, External Analog Output Module 3 | | | | R | |
| B323H | 45860 | | | | Point Number, Relay 2, External Digtial Output Module 3 | | | | R | |
| B324H | 45861 | | | | Line Number, Relay 3, External Analog Output Module 3 | | | | R | |
| B325H | 45862 | | | | Point Number, Relay 3, External Digtial Output Module 3 | | | | R | |
| B326H | 45863 | | | | Line Number, Relay 4, External Analog Output Module 3 | | | | R | |
| B327H | 45864 | | | | Point Number, Relay 4, External Digtial Output Module 3 | | | | R | |
| B328H | 45865 | | | | Line Number, Relay 5, External Analog Output Module 3 | | | | R | |
| B329H | 45866 | | | | Point Number, Relay 5, External Digtial Output Module 3 | | | | R | |
| B32AH | 45867 | | | | Line Number, Relay 6, External Analog Output Module 3 | | | | R | |
| B32BH | 45868 | | | | Point Number, Relay 6, External Digtial Output Module 3 | | | | R | |
| B32CH | 45869 | | | | Line Number, Relay 7, External Analog Output Module 3 | | | | R | |
| B32DH | 45870 | | | | Point Number, Relay 7, External Digtial Output Module 3 | | | | R | |
| B32EH | 45871 | | | | Line Number, Relay 8, External Analog Output Module 3 | | | | R | |
| B32FH | 45872 | | | | Point Number, Relay 8, External Digtial Output Module 3 | | | | R | |
| B330H | 45873 | | | | Address, External Analog Output Module 4 | | | | R | |
| B331H-B333H | 45874-45876 | | | | Reserved | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B334H | 45877 | | | | Line Number, Relay 1, External Analog Output Module 4 | | | | R | |
| B335H | 45878 | | | | Point Number, Relay 1, External Digtial Output Module 4 | | | | R | |
| B336H | 45879 | | | | Line Number, Relay 2, External Analog Output Module 4 | | | | R | |
| B337H | 45880 | | | | Point Number, Relay 2, External Digtial Output Module 4 | | | | R | |
| B338H | 45881 | | | | Line Number, Relay 3, External Analog Output Module 4 | | | | R | |
| B339H | 45882 | | | | Point Number, Relay 3, External Digtial Output Module 4 | | | | R | |
| B33AH | 45883 | | | | Line Number, Relay 4, External Analog Output Module 4 | | | | R | |
| B33BH | 45884 | | | | Point Number, Relay 4, External Digtial Output Module 4 | | | | R | |
| B33CH | 45885 | | | | Line Number, Relay 5, External Analog Output Module 4 | | | | R | |
| B33DH | 45886 | | | | Point Number, Relay 5, External Digtial Output Module 4 | | | | R | |
| B33EH | 45887 | | | | Line Number, Relay 6, External Analog Output Module 4 | | | | R | |
| B33FH | 45888 | | | | Point Number, Relay 6, External Digtial Output Module 4 | | | | R | |
| B340H | 45889 | | | | Line Number, Relay 7, External Analog Output Module 4 | | | | R | |
| B341H | 45890 | | | | Point Number, Relay 7, External Digtial Output Module 4 | | | | R | |
| B342H | 45891 | | | | Line Number, Relay 8, External Analog Output Module 4 | | | | R | |
| B343H | 45892 | | | | Point Number, Relay 8, External Digtial Output Module 4 | | | | R | |
| | External KYZ Output Module Settings Block | | | | | | | | | |
| B344H | 45893 | | | | Address, External KYZ Output Module 1 | | | | R | |
| B345H | 45894 | | | | Energy Assignement, Relay 1-2, External KYZ Output Module 1 | | | | R | |
| B346H | 45895 | | | | Energy Assignement, Relay 3-4, External KYZ Output Module 1 | | | | R | |
| B347H | 45896 | | | | Reserved | | | | | |
| B348H | 45897 | | | | Address, External KYZ Output Module 2 | | | | R | |
| B349H | 45898 | | | | Energy Assignement, Relay 1-2, External KYZ Output Module 2 | | | | R | |
| B34AH | 45899 | | | | Energy Assignement, Relay 3-4, External KYZ Output Module 2 | | | | R | |
| B34BH | 45900 | | | | Reserved | | | | | |
| B34CH | 45901 | | | | Address, External KYZ Output Module 3 | | | | R | |
| B34DH | 45902 | | | | Energy Assignement, Relay 1-2, External KYZ Output Module 3 | | | | R | |
| B34EH | 45903 | | | | Energy Assignement, Relay 3-4, External KYZ Output Module 3 | | | | R | |
| B34FH | 45904 | | | | Reserved | | | | | |
| B350H | 45905 | | | | Address, External KYZ Output Module 4 | | | | R | |
| B351H | 45906 | | | | Energy Assignement, Relay 1-2, External KYZ Output Module 4 | | | | R | |
| B352H | 45907 | | | | Energy Assignement, Relay 3-4, External KYZ Output Module 4 | | | | R | |
| B353H | 45908 | | | | Reserved | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | CT & PT Ratio Settings Block | | | | | | | | | |
| B354H-B355H | 45909-45910 | | | | Phase Current CT Ratio Numerator | +999,999.99 / +0.01 | 1/100 A pri | | R | |
| B356H-B357H | 45911-45912 | | | | Phase Current CT Ratio Denominator | +999,999.99 / +0.01 | 1/100 A sec | | R | |
| B358H-B359H | 45913-45914 | | | | Measured Neutral Current CT Ratio Numerator | +999,999.99 / +0.01 | 1/100 A pri | | R | |
| B35AH-B35BH | 45915-45916 | | | | Measured Neutral Current CT Ratio Denominator | +999,999.99 / +0.01 | 1/100 A sec | | R | |
| B35CH-B35DH | 45917-45918 | | | | Phase Voltage PT Ratio Numerator | +999,999.99 / +0.01 | 1/100 V pri | | R | |
| B35EH-B35FH | 45919-45920 | | | | Phase Voltage PT Ratio Denominator | +999,999.99 / +0.01 | sec | | R | |
| B360H-B361H | 45921-45922 | | | | Auxiliary Voltage PT Ratio Numerator | +999,999.99 / +0.01 | 1/100 V pri | | R | |
| B362H-B363H | 45923-45924 | | | | Auxiliary Voltage PT Ratio Denominator | +999,999.99 / +0.01 | 1/100 V sec | | R | |
| | Hookup and Time Settings Block | | | | | | | | | |
| B364H | 45925 | | | | Hookup | | | | R | |
| B365H | 45926 | | | | Frequency & Time Zone Hour Selection | | | | R | |
| B366H | 45927 | | | | MSB First,<br>Byte[1]: Time Zone Half Hour<br>Byte[0]: Daylight Savings Time Enable<br>0 = DST Enabled<br>1 = Auto DST<br>2 = User defined<br>3 = Auto DST/US EPA 2005 | | | | R | |
| B367H | 45928 | | | | Transformer Loss Compensation (TLC) & Internal KYZ Form | | | | R | |
| B368H-B36BH | 45930-45932 | | | | Daylight Savings Time Start | | | | R | |
| B36CH-B36FH | 45934-45936 | | | | Daylight Savings Time End | | | | R | |
| B370H-B371H | 45937-45938 | | | | % Loss of Watts due to Iron (TLC) | | | | R | |
| B372H-B373H | 45939-45940 | | | | % Loss of Watts due to Copper (TLC) | | | | R | |
| B374H-B375H | 45941-45942 | | | | % Loss of VAR due to Iron (TLC) | | | | R | |
| B376H-B377H | 45943-45944 | | | | % Loss of VAR due to Copper (TLC) | | | | R | |
| B378H-B37BH | 45945-45948 | | | | Reserved | | | | | |
| | Average Settings Block | | | | | | | | | |
| B37CH | 45949 | | | | Thermal and Block Averaging Time Interval | 65535 / 0 | 1 second | | R | |
| B37DH | 45950 | | | | Rolling Averaging Sub-Interval | 65535 / 0 | 1 second | | R | |
| B37EH | 45951 | | | | Reserved | | | | | |
| B37FH | 45952 | | | | Rolling Sub-Intervals / Time of Use Log Enable | 1~255/not used | | | R | |
| | Exception Profile Block | | | | | | | | | |
| B380H-B38FH | 45953-45968 | | | | Reserved | | | | | |
| | Device Label Settings Block | | | | | | | | | |
| B390H-B397H | 45969-45976 | | | | Meter Designation | | | | R | |
| B398H-B39FH | 45977-45984 | | | | Auxiliary Voltage Label (1250 only) | | | | R | |
| B3A0H-B3A7H | 45985-45992 | | | | Measured Neutral Current Label | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Network Settings Block | | | | | | | | | |
| B3A8H-B3A9H | 45993-45994 | | | | IP Address | | | | R | |
| B3AAH-B3ABH | 45995-45996 | | | | Subnet Mask | | | | R | |
| B3ACH-B3ADH | 45997-45998 | | | | Default Gateway | | | | R | |
| B3AEH | 45999 | | | | Port 2 Baud Rate / Gateway Delay | | | | R | |
| B3AFH | 46000 | | | | Mode/ Mode 2 | | | | R | |
| B3B0H-B3B7H | 46001-46008 | | | | Computer Name | | | | R | |
| B3B8H-B3B9H | 46009-46010 | | | | DNS Server 1 IP Address | | | | R | |
| B3BAH-B3BBH | 46011-46012 | | | | DNS Server 2 IP Address | | | | | |
| B3BCH-B3BDH | 46013-46014 | | | | Server / Service Enable Bits.<br>MSB first,<br>Bit[31-30] = Reserved<br>Bit[29] = GE-EGD Data Port Enabled<br>Bit[28] = WEB Server Enabled<br>Bit[27] = SMTP Client Enabled<br>Bit[26] = FTP Server Enabled<br>Bit[25] = FTP Client Enabled<br>Bit[24-21] = Reserved<br>Bit[20] = SNTP Enabled<br>Bit[19] = IEC 61850 Server Enabled<br>Bit[18] = IEC 61850 Goose Enabled<br>Bit[17-0] = Unused | | | | | |
| B3BEH | 46015 | | | | Email Port Number | | | | | |
| B3BFH | 46016 | | | | FTP Port Number | | | | | |
| | Block Window Average External Synchronization Block | | | | | | | | | |
| B3C0H | 46017 | | | | BWA Synch Enable / BWA Synch Mask | | | | R | |
| | Display Configuration Block | | | | | | | | | |
| B3C1H | 46018 | | | | Display Configuration | | | | R | |
| | Energy Direction Block | | | | | | | | | |
| B3C2H | 46019 | | | | Received Energy Direction/Power Factor labeling | | | | R | |
| | Test Mode Configuration Block | | | | | | | | | |
| B3C3H | 46020 | | | | Test Mode Exit Delay Time<br>MSB First:<br>MSB: 0 - 60 = 0 - 60 minutes<br>61 - 255 = undefined<br>LSB: undefined | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Full Scale Block | | | | | | | | | |
| B3C4H-B3C5H | 46021-46022 | | | | Full Scale Phase Current | 65535 / 0 | 1 / 65536 | | R | |
| B3C6H-B3C7H | 46023-46024 | | | | Full Scale Measured Neutral Current | 65535 / 0 | 1 / 65536 | | R | |
| B3C8H-B3C9H | 46025-46026 | | | | Full Scale Phase-to-Neutral Voltage | 65535 / 0 | 1 / 65536 | | R | |
| B3CAH-B3CBH | 46027-46028 | | | | Full Scale Auxiliary Voltage | 65535 / 0 | 1 / 65536 | | R | |
| B3CCH-B3CDH | 46029-46030 | | | | Full Scale Phase-To-Phase Voltage | 65535 / 0 | 1 / 65536 | | R | |
| B3CEH-B3CFH | 46031-46032 | | | | Full Scale Phase Power | 65535 / 0 | 1 / 65536 | | R | |
| B3D0H-B3D1H | 46033-46034 | | | | Full Scale Total Power | 65535 / 0 | 1 / 65536 | | R | |
| B3D2H-B3D3H | 46035-46036 | | | | Full Scale Frequency | 65535 / 0 | 1 / 65536 | | R | |
| B3D4H-B3D5H | 46037-46038 | | | | Full Scale Phase-To-Earth Voltage | | | | | |
| B3D6H-B3D7H | 46039-46040 | | | | Full Scale XE Voltage | | | | | |
| B3D8H-B3D9H | 46041-46042 | | | | Full Scale NE Voltage | | | | | |
| B3DAH-B3E3H | 46043-46052 | | | | Reserved | | | | | |
| | External Module Software Interface Block | | | | | | | | | |
| B3E4H | 46053 | | | | External Module 1 & 2 Type | | | | R | |
| B3E5H | 46054 | | | | External Module 3 & 4 Type | | | | R | |
| B3E6H | 46055 | | | | External Module 5 & 6 Type | | | | R | |
| B3E7H | 46056 | | | | External Module 7 & 8 Type | | | | R | |
| B3E8H | 46057 | | | | External Module 9 & 10 Type | | | | R | |
| B3E9H | 46058 | | | | External Module 11 & 12 Type | | | | R | |
| B3EAH | 46059 | | | | External Module 13 & 14 Type | | | | R | |
| B3EBH | 46060 | | | | External Module 15 & 16 Type | | | | R | |
| B3ECH | 46061 | | | | External Module 1 & 2 Slot | | | | R | |
| B3EDH | 46062 | | | | External Module 3 & 4 Slot | | | | R | |
| B3EEH | 46063 | | | | External Module 5 & 6 Slot | | | | R | |
| B3EFH | 46064 | | | | External Module 7 & 8 Slot | | | | R | |
| B3F0H | 46065 | | | | External Module 9 & 10 Slot | | | | R | |
| B3F1H | 46066 | | | | External Module 11 & 12 Slot | | | | R | |
| B3F2H | 46067 | | | | External Module 13 & 14 Slot | | | | R | |
| B3F3H | 46068 | | | | External Module 15 & 16 Slot | | | | R | |
| B3F4H-B3FBH | 46069-46076 | | | | External Module 1 Label | | | | R | |
| B3FCH-B403H | 46077-46084 | | | | External Module 2 Label | | | | R | |
| B404H-B40BH | 46085-46092 | | | | External Module 3 Label | | | | R | |
| B40CH-B413H | 46093-46100 | | | | External Module 4 Label | | | | R | |
| B414H-B41BH | 46101-46108 | | | | External Module 5 Label | | | | R | |
| B41CH-B423H | 46109-46116 | | | | External Module 6 Label | | | | R | |
| B424H-B24BH | 46117-46124 | | | | External Module 7 Label | | | | R | |
| B24CH-B433H | 46125-46132 | | | | External Module 8 Label | | | | R | |
| B434H-B43BH | 46133-46140 | | | | External Module 9 Label | | | | R | |
| B43CH-B443H | 46141-46148 | | | | External Module 10 Label | | | | R | |
| B444H-B44BH | 46149-46156 | | | | External Module 11 Label | | | | R | |
| B44CH-B453H | 46157-46164 | | | | External Module 12 Label | | | | R | |
| B454H-B45BH | 46165-46172 | | | | External Module 13 Label | | | | R | |
| B45CH-B463H | 46173-46180 | | | | External Module 14 Label | | | | R | |
| B464H-B46BH | 46181-46188 | | | | External Module 15 Label | | | | R | |
| B46CH-B473H | 46189-46196 | | | | External Module 16 Label | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | External Module Port Assignment Block | | | | | | | | | |
| B474H-B475H | 46197 | | | | Reserved | | | | R | |
| B476H | 46199 | | | | Digital Output Module 1 & 2 Port Assignment | | | | R | |
| B477H | 46200 | | | | Digital Output Module 3 & 4 Port Assignment | | | | R | |
| B478H-B479H | 46201 | | | | Reserved | | | | R | |
| B47AH | 46203 | | | | Analog Output Module 1 & 2 Port Assignment | | | | R | |
| B47BH | 46204 | | | | Analog Output Module 3 & 4 Port Assignment | | | | R | |
| B47CH | 46205 | | | | KYZ Output Module 1 & 2 Port Assignment | | | | R | |
| B47DH | 46206 | | | | KYZ Output Module 3 & 4 Port Assignment | | | | R | |
| | Manual Control Relay Block | | | | | | | | | |
| B47EH | 46207 | | | | Manual Control Relay Settings | | | | R | |
| B47FH | 46208 | | | | Reserved | | | | R | |
| | Internal Input Pulse Accumulation Scale Factor Block | | | | | | | | | |
| B480H-B481H | 46209-46210 | | | | Internal Input 1 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B482H-B483H | 46211-46212 | | | | Internal Input 2 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B484H-B485H | 46213-46214 | | | | Internal Input 3 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B486H-B487H | 46215-46216 | | | | Internal Input 4 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B488H-B489H | 46217-46218 | | | | Internal Input 5 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B48AH-B48BH | 46219-46220 | | | | Internal Input 6 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B48CH-B48DH | 46221-46222 | | | | Internal Input 7 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B48EH-B48FH | 46223-46224 | | | | Internal Input 8 Pulse Accumulation Scale Factor | 4294967295 / 0 | | | R | |
| B490H | 46225 | | | | Internal Input 1 & 2 Pulse Accumulation Aggregator Assignment | | | | R | |
| B491H | 46226 | | | | Internal Input 3 & 4 Pulse Accumulation Aggregator Assignment | | | | R | |
| B492H | 46227 | | | | Internal Input 5 & 6 Pulse Accumulation Aggregator Assignment | | | | R | |
| B493H | 46228 | | | | Internal Input 7 & 8 Pulse Accumulation Aggregator Assignment | | | | R | |
| B494H-B49BH | 46229-46236 | | | | Internal Input 1 Pulse Accumulation Label | | | F2 | R | |
| B49CH-B4A3H | 46237-46244 | | | | Internal Input 2 Pulse Accumulation Label | | | F2 | R | |
| B4A4H-B4ABH | 46245-46252 | | | | Internal Input 3 Pulse Accumulation Label | | | F2 | R | |
| B4ACH-B4B3H | 46253-46260 | | | | Internal Input 4 Pulse Accumulation Label | | | F2 | R | |
| B4B4H-B4BBH | 46261-46268 | | | | Internal Input 5 Pulse Accumulation Label | | | F2 | R | |
| B4BCH-B4C3H | 46269-46276 | | | | Internal Input 6 Pulse Accumulation Label | | | F2 | R | |
| B4C4H-B4CBH | 46277-46284 | | | | Internal Input 7 Pulse Accumulation Label | | | F2 | R | |
| B4CCH-B4D3H | 46285-46292 | | | | Internal Input 8 Pulse Accumulation Label | | | F2 | R | |
| B4D4H-B4DBH | 46293-46300 | | | | Internal Input Pulse Aggregation 1 Label | | | F2 | R | |
| B4DCH-B4E3H | 46301-46308 | | | | Internal Input Pulse Aggregation 2 Label | | | F2 | R | |
| B4E4H-B4EBH | 46309-46316 | | | | Internal Input Pulse Aggregation 3 Label | | | F2 | R | |
| B4ECH-B4F3H | 46317-46324 | | | | Internal Input Pulse Aggregation 4 Label | | | F2 | R | |
| B4F4H | 46325 | | | | Nexus Watthour Selection / Aggregation Assignment | | | | R | |
| | $I^2t$ and $V^2t$ Threshold Block | | | | | | | | | |
| B4F5H-B4F6H | 46326-46327 | | | | $I^2t$ Threshold | | | | R | |
| B4F7H-B4F8H | 46328-46329 | | | | $V^2t$ Threshold | | | | R | |
| | Internal KYZ Settings Block | | | | | | | | | |
| B4F9H | 46330 | | | | Internal KYZ Pulse Width (Relay 1-Pulse 1/ Relay 2-Pulse 2) | | | | R | |
| B4FAH | 46331 | | | | Internal KYZ Pulse Width (Relay 3/ Relay 4) | | | | R | |
| B4FBH | 46332 | | | | Reserved / Internal KYZ Channel Select (Relay 1-Pulse 1) | | | | R | |
| B4FCH | 46333 | | | | Internal KYZ Channel Select (Relay 2-Pulse 2/ Relay 3) | | | | R | |
| B4FDH | 46334 | | | | Internal KHZ Channel Select (Relay 4/ Reserved) | | | | R | |
| B4FEH-B4FFH | 46335-46336 | | | | Internal KYZ Watthour Per Pulse (Relay 1-Pulse 1) | | | | R | |
| B500H-B501H | 46337-46338 | | | | Internal KYZ Watthour Per Pulse (Relay 2-Pulse 2) | | | | R | |
| B502H-B503H | 46339-46340 | | | | Internal KYZ Watthour Per Pulse (Relay 3) | | | | R | |
| B504H-B505H | 46341-46342 | | | | Internal KYZ Watthour Per Pulse (Relay 4) | | | | R | |
| B506H-B507H | 46343-46344 | | | | Reserved | | | | R | |
| B508H | 46345 | | | | Internal KYZ enable/ End of Interval Pulse enable | | | | R | |
| B509H | 46346 | | | | End of Interval Pulse (Relay, Width) | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B50AH | 46347 | | | | Cold Load Delay / Cumulative Demand Settings | | | | R | |
| B50BH | 46348 | | | | Short Term Flicker Interval / Long Term Flicker Interval | | | | R | |
| B50CH | 46349 | | | | Flicker Voltage Adaptor Level | | | | R | |
| B50DH | 46350 | | | | Flicker Base Frequency/Min power off | | | | R | |
| B50EH | 46351 | | | | Block Average Cont. | | | | | |
| B50FH | 46352 | | | | Accum Mode/Reserved | | | | | |
| B510H | 46353 | | | | Block Window Max/Min Interval 1 | | | | R | |
| B511H | 46354 | | | | Block Window Max/Min Interval 2 | | | | R | |
| B512H-B523H | 46355-46372 | | | | Reserved | | | | R | |
| | Internal Input Pulse Accumulation Unit Label Block | | | | | | | | | |
| B524H-B527H | 46373-46376 | | | | Internal Input 1 Pulse Accumulation Unit Label | | | F2 | R | |
| B528H-B52BH | 46377-46380 | | | | Internal Input 2 Pulse Accumulation Unit Label | | | F2 | R | |
| B52CH-B52FH | 46381-46384 | | | | Internal Input 3 Pulse Accumulation Unit Label | | | F2 | R | |
| B530H-B533H | 46385-46388 | | | | Internal Input 4 Pulse Accumulation Unit Label | | | F2 | R | |
| B534H-B537H | 46389-46392 | | | | Internal Input 5 Pulse Accumulation Unit Label | | | F2 | R | |
| B538H-B53BH | 46393-46396 | | | | Internal Input 6 Pulse Accumulation Unit Label | | | F2 | R | |
| B53CH-B53FH | 46397-46400 | | | | Internal Input 7 Pulse Accumulation Unit Label | | | F2 | R | |
| B540H-B543H | 46401-46404 | | | | Internal Input 8 Pulse Accumulation Unit Label | | | F2 | R | |
| B544H-B547H | 46405-46408 | | | | Internal Input Pulse Aggregation 1 Unit Label | | | F2 | R | |
| B548H-B54BH | 46409-46412 | | | | Internal Input Pulse Aggregation 2 Unit Label | | | F2 | R | |
| B54CH-B54FH | 46413-46416 | | | | Internal Input Pulse Aggregation 3 Unit Label | | | F2 | R | |
| B550H-B553H | 46417-46420 | | | | Internal Input Pulse Aggregation 4 Unit Label | | | F2 | R | |
| | ElectroLogic Block | | | | | | | | | |
| B554H-B555H | 46421-46422 | | | | Relay 1 Combination Tree Input Line 1, Point 1 | | | | R | |
| B556H-B557H | 46423-46424 | | | | Relay 1 Combination Tree Input Line 2, Point 2 | | | | R | |
| B558H-B559H | 46425-46426 | | | | Relay 1 Combination Tree Input Line 3, Point 3 | | | | R | |
| B55AH-B55BH | 46427-46428 | | | | Relay 1 Combination Tree Input Line 4, Point 4 | | | | R | |
| B55CH-B55DH | 46429-46430 | | | | Relay 1 Combination Tree Input Line 5, Point 5 | | | | R | |
| B55EH-B55FH | 46431-46432 | | | | Relay 1 Combination Tree Input Line 6, Point 6 | | | | R | |
| B560H-B561H | 46433-46434 | | | | Relay 1 Combination Tree Input Line 7, Point 7 | | | | R | |
| B562H-B563H | 46435-46436 | | | | Relay 1 Combination Tree Input Line 8, Point 8 | | | | R | |
| B564H | 46437 | | | | Relay 1 Combination Logic (Combination A/ Combination B) | | | | R | |
| B565H | 46438 | | | | Relay 1 Combination Logic (Combination C/ Combination D) | | | | R | |
| B566H | 46439 | | | | Relay 1 Combination Logic (Combination E/ Combination F) | | | | R | |
| B567H | 46440 | | | | Relay 1 Combination Logic (Combination G/ Reserved) | | | | R | |
| B568H | 46441 | | | | Relay 1 Set Delay/ Reset Delay | | | | R | |
| B569H-B56BH | 46442-46444 | | | | Reserved | | | | R | |
| B56CH-B56DH | 46445-46446 | | | | Relay 2 Combination Tree Input Line 1, Point 1 | | | | R | |
| B56EH-B56FH | 46447-46448 | | | | Relay 2 Combination Tree Input Line 2, Point 2 | | | | R | |
| B570H-B571H | 46449-46450 | | | | Relay 2 Combination Tree Input Line 3, Point 3 | | | | R | |
| B572H-B573H | 46451-46452 | | | | Relay 2 Combination Tree Input Line 4, Point 4 | | | | R | |
| B574H-B575H | 46453-46454 | | | | Relay 2 Combination Tree Input Line 5, Point 5 | | | | R | |
| B576H-B577H | 46455-46456 | | | | Relay 2 Combination Tree Input Line 6, Point 6 | | | | R | |
| B578H-B579H | 46457-46458 | | | | Relay 2 Combination Tree Input Line 7, Point 7 | | | | R | |
| B57AH-B57BH | 46459-46460 | | | | Relay 2 Combination Tree Input Line 8, Point 8 | | | | R | |
| B57CH | 46461 | | | | Relay 2 Combination Logic (Combination A/ Combination B) | | | | R | |
| B57DH | 46462 | | | | Relay 2 Combination Logic (Combination C/ Combination D) | | | | R | |
| B57EH | 46463 | | | | Relay 2 Combination Logic (Combination E/ Combination F) | | | | R | |
| B57FH | 46464 | | | | Relay 2 Combination Logic (Combination G/ Reserved) | | | | R | |
| B580H | 46465 | | | | Relay 2 Set Delay/ Reset Delay | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B581H-B583H | 46466-46468 | | | | Reserved | | | | R | |
| B584H-B585H | 46469-46470 | | | | Relay 3 Combination Tree Input Line 1, Point 1 | | | | R | |
| B586H-B587H | 46471-46472 | | | | Relay 3 Combination Tree Input Line 2, Point 2 | | | | R | |
| B588H-B589H | 46473-46474 | | | | Relay 3 Combination Tree Input Line 3, Point 3 | | | | R | |
| B58AH-B58BH | 46475-46476 | | | | Relay 3 Combination Tree Input Line 4, Point 4 | | | | R | |
| B58CH-B58DH | 46477-46478 | | | | Relay 3 Combination Tree Input Line 5, Point 5 | | | | R | |
| B58EH-B58FH | 46479-46480 | | | | Relay 3 Combination Tree Input Line 6, Point 6 | | | | R | |
| B590H-B591H | 46481-46482 | | | | Relay 3 Combination Tree Input Line 7, Point 7 | | | | R | |
| B592H-B593H | 46483-46484 | | | | Relay 3 Combination Tree Input Line 8, Point 8 | | | | R | |
| B594H | 46485 | | | | Relay 3 Combination Logic (Combination A/ Combination B) | | | | R | |
| B595H | 46486 | | | | Relay 3 Combination Logic (Combination C/ Combination D) | | | | R | |
| B596H | 46487 | | | | Relay 3 Combination Logic (Combination E/ Combination F) | | | | R | |
| B597H | 46488 | | | | Relay 3 Combination Logic (Combination G/ Reserved) | | | | R | |
| B598H | 46489 | | | | Relay 3 Set Delay/ Reset Delay | | | | R | |
| B599H-B59BH | 46490-46492 | | | | Reserved | | | | R | |
| B59CH-B59DH | 46493-46494 | | | | Relay 4 Combination Tree Input Line 1, Point 1 | | | | R | |
| B59EH-B59FH | 46495-46496 | | | | Relay 4 Combination Tree Input Line 2, Point 2 | | | | R | |
| B5A0H-B5A1H | 46497-46498 | | | | Relay 4 Combination Tree Input Line 3, Point 3 | | | | R | |
| B5A2H-B5A3H | 46499-46500 | | | | Relay 4 Combination Tree Input Line 4, Point 4 | | | | R | |
| B5A4H-B5A5H | 46501-46502 | | | | Relay 4 Combination Tree Input Line 5, Point 5 | | | | R | |
| B5A6H-B5A7H | 46503-46504 | | | | Relay 4 Combination Tree Input Line 6, Point 6 | | | | R | |
| B5A8H-B5A9H | 46505-46506 | | | | Relay 4 Combination Tree Input Line 7, Point 7 | | | | R | |
| B5AAH-B5ABH | 46507-46508 | | | | Relay 4 Combination Tree Input Line 8, Point 8 | | | | R | |
| B5ACH | 46509 | | | | Relay 4 Combination Logic (Combination A/ Combination B) | | | | R | |
| B5ADH | 46510 | | | | Relay 4 Combination Logic (Combination C/ Combination D) | | | | R | |
| B5AEH | 46511 | | | | Relay 4 Combination Logic (Combination E/ Combination F) | | | | R | |
| B5AFH | 46512 | | | | Relay 4 Combination Logic (Combination G/ Reserved) | | | | R | |
| B5B0H | 46513 | | | | Relay 4 Set Delay/ Reset Delay | | | | R | |
| B5B1H-B5B3H | 46514-46516 | | | | Reserved | | | | R | |
| B5B4H-B5B5H | 46517-46518 | | | | Relay 5 Combination Tree Input Line 1, Point 1 | | | | R | |
| B5B6H-B5B7H | 46519-46520 | | | | Relay 5 Combination Tree Input Line 2, Point 2 | | | | R | |
| B5B8H-B5B9H | 46521-46522 | | | | Relay 5 Combination Tree Input Line 3, Point 3 | | | | R | |
| B5BAH-B5BBH | 46523-46524 | | | | Relay 5 Combination Tree Input Line 4, Point 4 | | | | R | |
| B5BCH-B5BDH | 46525-46526 | | | | Relay 5 Combination Tree Input Line 5, Point 5 | | | | R | |
| B5BEH-B5BFH | 46527-46528 | | | | Relay 5 Combination Tree Input Line 6, Point 6 | | | | R | |
| B5C0H-B5C1H | 46529-46530 | | | | Relay 5 Combination Tree Input Line 7, Point 7 | | | | R | |
| B5C2H-B5C3H | 46531-46532 | | | | Relay 5 Combination Tree Input Line 8, Point 8 | | | | R | |
| B5C4H | 46533 | | | | Relay 5 Combination Logic (Combination A/ Combination B) | | | | R | |
| B5C5H | 46534 | | | | Relay 5 Combination Logic (Combination C/ Combination D) | | | | R | |
| B5C6H | 46535 | | | | Relay 5 Combination Logic (Combination E/ Combination F) | | | | R | |
| B5C7H | 46536 | | | | Relay 5 Combination Logic (Combination G/ Reserved) | | | | R | |
| B5C8H | 46537 | | | | Relay 5 Set Delay/ Reset Delay | | | | R | |
| B5C9H-B5CBH | 46538-46540 | | | | Reserved | | | | R | |
| B5CCH-B5CDH | 46541-46542 | | | | Relay 6 Combination Tree Input Line 1, Point 1 | | | | R | |
| B5CEH-B5CFH | 46543-46544 | | | | Relay 6 Combination Tree Input Line 2, Point 2 | | | | R | |
| B5D0H-B5D1H | 46545-46546 | | | | Relay 6 Combination Tree Input Line 3, Point 3 | | | | R | |
| B5D2H-B5D3H | 46547-46548 | | | | Relay 6 Combination Tree Input Line 4, Point 4 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B5D4H-B5D5H | 46549-46550 | | | | Relay 6 Combination Tree Input Line 5, Point 5 | | | | R | |
| B5D6H-B5D7H | 46551-46552 | | | | Relay 6 Combination Tree Input Line 6, Point 6 | | | | R | |
| B5D8H-B5D9H | 46553-46554 | | | | Relay 6 Combination Tree Input Line 7, Point 7 | | | | R | |
| B5DAH-B5DBH | 46555-46556 | | | | Relay 6 Combination Tree Input Line 8, Point 8 | | | | R | |
| B5DCH | 46557 | | | | Relay 6 Combination Logic (Combination A/ Combination B) | | | | R | |
| B5DDH | 46558 | | | | Relay 6 Combination Logic (Combination C/ Combination D) | | | | R | |
| B5DEH | 46559 | | | | Relay 6 Combination Logic (Combination E/ Combination F) | | | | R | |
| B5DFH | 46560 | | | | Relay 6 Combination Logic (Combination G/ Reserved) | | | | R | |
| B5E0H | 46561 | | | | Relay 6 Set Delay/ Reset Delay | | | | R | |
| B5E1H-B5E3H | 46562-46564 | | | | Reserved | | | | R | |
| B5E4H-B5E5H | 46565-46566 | | | | Relay 7 Combination Tree Input Line 1, Point 1 | | | | R | |
| B5E6H-B5E7H | 46567-46568 | | | | Relay 7 Combination Tree Input Line 2, Point 2 | | | | R | |
| B5E8H-B5E9H | 46569-46570 | | | | Relay 7 Combination Tree Input Line 3, Point 3 | | | | R | |
| B5EAH-B5EBH | 46571-46572 | | | | Relay 7 Combination Tree Input Line 4, Point 4 | | | | R | |
| B5ECH-B5EDH | 46573-46574 | | | | Relay 7 Combination Tree Input Line 5, Point 5 | | | | R | |
| B5EEH-B5EFH | 46575-46576 | | | | Relay 7 Combination Tree Input Line 6, Point 6 | | | | R | |
| B5F0H-B5F1H | 46577-46578 | | | | Relay 7 Combination Tree Input Line 7, Point 7 | | | | R | |
| B5F2H-B5F3H | 46579-46580 | | | | Relay 7 Combination Tree Input Line 8, Point 8 | | | | R | |
| B5F4H | 46581 | | | | Relay 7 Combination Logic (Combination A/ Combination B) | | | | R | |
| B5F5H | 46582 | | | | Relay 7 Combination Logic (Combination C/ Combination D) | | | | R | |
| B5F6H | 46583 | | | | Relay 7 Combination Logic (Combination E/ Combination F) | | | | R | |
| B5F7H | 46584 | | | | Relay 7 Combination Logic (Combination G/ Reserved) | | | | R | |
| B5F8H | 46585 | | | | Relay 7 Set Delay/ Reset Delay | | | | R | |
| B5F9H-B5FBH | 46586-46588 | | | | Reserved | | | | R | |
| B5FCH-B5FDH | 46589-46590 | | | | Relay 8 Combination Tree Input Line 1, Point 1 | | | | R | |
| B5FEH-B5FFH | 46591-46592 | | | | Relay 8 Combination Tree Input Line 2, Point 2 | | | | R | |
| B600H-B601H | 46593-46594 | | | | Relay 8 Combination Tree Input Line 3, Point 3 | | | | R | |
| B602H-B603H | 46595-46596 | | | | Relay 8 Combination Tree Input Line 4, Point 4 | | | | R | |
| B604H-B605H | 46597-46598 | | | | Relay 8 Combination Tree Input Line 5, Point 5 | | | | R | |
| B606H-B607H | 46599-46600 | | | | Relay 8 Combination Tree Input Line 6, Point 6 | | | | R | |
| B608H-B609H | 46601-46602 | | | | Relay 8 Combination Tree Input Line 7, Point 7 | | | | R | |
| B60AH-B60BH | 46603-46604 | | | | Relay 8 Combination Tree Input Line 8, Point 8 | | | | R | |
| B60CH | 46605 | | | | Relay 8 Combination Logic (Combination A/ Combination B) | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B60DH | 46606 | | | | Relay 8 Combination Logic (Combination C/ Combination D) | | | | R | |
| B60EH | 46607 | | | | Relay 8 Combination Logic (Combination E/ Combination F) | | | | R | |
| B60FH | 46608 | | | | Relay 8 Combination Logic (Combination G/ Reserved) | | | | R | |
| B610H | 46609 | | | | Relay 8 Set Delay/ Reset Delay | | | | R | |
| B611H-B613H | 46610-46612 | | | | Reserved | | | | R | |
| B614H-B615H | 46613-46614 | | | | Relay 9 Combination Tree Input Line 1, Point 1 | | | | R | |
| B616H-B617H | 46615-46616 | | | | Relay 9 Combination Tree Input Line 2, Point 2 | | | | R | |
| B618H-B619H | 46617-46618 | | | | Relay 9 Combination Tree Input Line 3, Point 3 | | | | R | |
| B61AH-B61BH | 46619-46620 | | | | Relay 9 Combination Tree Input Line 4, Point 4 | | | | R | |
| B61CH-B61DH | 46621-46622 | | | | Relay 9 Combination Tree Input Line 5, Point 5 | | | | R | |
| B61EH-B61FH | 46623-46624 | | | | Relay 9 Combination Tree Input Line 6, Point 6 | | | | R | |
| B620H-B621H | 46625-46626 | | | | Relay 9 Combination Tree Input Line 7, Point 7 | | | | R | |
| B622H-B623H | 46627-46628 | | | | Relay 9 Combination Tree Input Line 8, Point 8 | | | | R | |
| B624H | 46629 | | | | Relay 9 Combination Logic (Combination A/ Combination B) | | | | R | |
| B625H | 46630 | | | | Relay 9 Combination Logic (Combination C/ Combination D) | | | | R | |
| B626H | 46631 | | | | Relay 9 Combination Logic (Combination E/ Combination F) | | | | R | |
| B627H | 46632 | | | | Relay 9 Combination Logic (Combination G/ Reserved) | | | | R | |
| B628H | 46633 | | | | Relay 9 Set Delay/ Reset Delay | | | | R | |
| B629H-B62BH | 46634-46636 | | | | Reserved | | | | R | |
| B62CH-B62DH | 46637-46638 | | | | Relay 10 Combination Tree Input Line 1, Point 1 | | | | R | |
| B62EH-B62FH | 46637-46638-46639-46640 | | | | Relay 10 Combination Tree Input Line 2, Point 2 | | | | R | |
| B630H-B631H | 46641-46642 | | | | Relay 10 Combination Tree Input Line 3, Point 3 | | | | R | |
| B632H-B633H | 46643-46644 | | | | Relay 10 Combination Tree Input Line 4, Point 4 | | | | R | |
| B634H-B635H | 46645-46646 | | | | Relay 10 Combination Tree Input Line 5, Point 5 | | | | R | |
| B636H-B637H | 46647-46648 | | | | Relay 10 Combination Tree Input Line 6, Point 6 | | | | R | |
| B638H-B639H | 46649-46650 | | | | Relay 10 Combination Tree Input Line 7, Point 7 | | | | R | |
| B63AH-B63BH | 46651-46652 | | | | Relay 10 Combination Tree Input Line 8, Point 8 | | | | R | |
| B63CH | 46653 | | | | B) | | | | R | |
| B63DH | 46654 | | | | Relay 10 Combination Logic (Combination C/ Combination D) | | | | R | |
| B63EH | 46655 | | | | Relay 10 Combination Logic (Combination E/ Combination F) | | | | R | |
| B63FH | 46656 | | | | Relay 10 Combination Logic (Combination G/ Reserved) | | | | R | |
| B640H | 46657 | | | | Relay 10 Set Delay/ Reset Delay | | | | R | |
| B641H-B643H | 46658-46660 | | | | Reserved | | | | R | |
| B644H-B645H | 46661-46662 | | | | Relay 11 Combination Tree Input Line 1, Point 1 | | | | R | |
| B646H-B647H | 46663-46664 | | | | Relay 11 Combination Tree Input Line 2, Point 2 | | | | R | |
| B648H-B649H | 46665-46666 | | | | Relay 11 Combination Tree Input Line 3, Point 3 | | | | R | |
| B64AH-B64BH | 46667-46668 | | | | Relay 11 Combination Tree Input Line 4, Point 4 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B64CH-B64DH | 46669-46670 | | | | Relay 11 Combination Tree Input Line 5, Point 5 | | | | R | |
| B64EH-B64FH | 46671-46672 | | | | Relay 11 Combination Tree Input Line 6, Point 6 | | | | R | |
| B650H-B651H | 46673-46674 | | | | Relay 11 Combination Tree Input Line 7, Point 7 | | | | R | |
| B652H-B653H | 46675-46676 | | | | Relay 11 Combination Tree Input Line 8, Point 8 | | | | R | |
| B654H | 46677 | | | | Relay 11 Combination Logic (Combination A/ Combination B) | | | | R | |
| B655H | 46678 | | | | Relay 11 Combination Logic (Combination C/ Combination D) | | | | R | |
| B656H | 46679 | | | | Relay 11 Combination Logic (Combination E/ Combination F) | | | | R | |
| B657H | 46680 | | | | Relay 11 Combination Logic (Combination G/ Reserved) | | | | R | |
| B658H | 46681 | | | | Relay 11 Set Delay/ Reset Delay | | | | R | |
| B659H-B65BH | 46682-46684 | | | | Reserved | | | | R | |
| B65CH-B65DH | 46685-46686 | | | | Relay 12 Combination Tree Input Line 1, Point 1 | | | | R | |
| B65EH-B65FH | 46687-46688 | | | | Relay 12 Combination Tree Input Line 2, Point 2 | | | | R | |
| B660H-B661H | 46689-46690 | | | | Relay 12 Combination Tree Input Line 3, Point 3 | | | | R | |
| B662H-B663H | 46691-46692 | | | | Relay 12 Combination Tree Input Line 4, Point 4 | | | | R | |
| B664H-B665H | 46693-46694 | | | | Relay 12 Combination Tree Input Line 5, Point 5 | | | | R | |
| B666H-B667H | 46695-46696 | | | | Relay 12 Combination Tree Input Line 6, Point 6 | | | | R | |
| B668H-B669H | 46697-46698 | | | | Relay 12 Combination Tree Input Line 7, Point 7 | | | | R | |
| B66AH-B66BH | 46699-46700 | | | | Relay 12 Combination Tree Input Line 8, Point 8 | | | | R | |
| B66CH | 46701 | | | | Relay 12 Combination Logic (Combination A/ Combination B) | | | | R | |
| B66DH | 46702 | | | | Relay 12 Combination Logic (Combination C/ Combination D) | | | | R | |
| B66EH | 46703 | | | | Relay 12 Combination Logic (Combination E/ Combination F) | | | | R | |
| B66FH | 46704 | | | | Relay 12 Combination Logic (Combination G/ Reserved) | | | | R | |
| B670H | 46705 | | | | Relay 12 Set Delay/ Reset Delay | | | | R | |
| B671H-B673H | 46706-46708 | | | | Reserved | | | | R | |
| B674H-B675H | 46709-46710 | | | | Relay 13 Combination Tree Input Line 1, Point 1 | | | | R | |
| B676H-B677H | 46711-46712 | | | | Relay 13 Combination Tree Input Line 2, Point 2 | | | | R | |
| B678H-B679H | 46713-46714 | | | | Relay 13 Combination Tree Input Line 3, Point 3 | | | | R | |
| B67AH-B67BH | 46715-46716 | | | | Relay 13 Combination Tree Input Line 4, Point 4 | | | | R | |
| B67CH-B67DH | 46717-46718 | | | | Relay 13 Combination Tree Input Line 5, Point 5 | | | | R | |
| B67EH-B67FH | 46719-46720 | | | | Relay 13 Combination Tree Input Line 6, Point 6 | | | | R | |
| B680H-B681H | 46721-46722 | | | | Relay 13 Combination Tree Input Line 7, Point 7 | | | | R | |
| B682H-B683H | 46723-46724 | | | | Relay 13 Combination Tree Input Line 8, Point 8 | | | | R | |
| B684H | 46725 | | | | Relay 13 Combination Logic (Combination A/ Combination B) | | | | R | |
| B685H | 46726 | | | | Relay 13 Combination Logic (Combination C/ Combination D) | | | | R | |
| B686H | 46727 | | | | Relay 13 Combination Logic (Combination E/ Combination F) | | | | R | |
| B687H | 46728 | | | | Relay 13 Combination Logic (Combination G/ Reserved) | | | | R | |
| B688H | 46729 | | | | Relay 13 Set Delay/ Reset Delay | | | | R | |
| B689H-B68BH | 46730-46732 | | | | Reserved | | | | R | |
| B68CH-B68DH | 46733-46734 | | | | Relay 14 Combination Tree Input Line 1, Point 1 | | | | R | |
| B68EH-B68FH | 46735-46736 | | | | Relay 14 Combination Tree Input Line 2, Point 2 | | | | R | |
| B690H-B691H | 46737-46738 | | | | Relay 14 Combination Tree Input Line 3, Point 3 | | | | R | |
| B692H-B693H | 46739-46740 | | | | Relay 14 Combination Tree Input Line 4, Point 4 | | | | R | |
| B694H-B695H | 46741-46742 | | | | Relay 14 Combination Tree Input Line 5, Point 5 | | | | R | |
| B696H-B697H | 46743-46744 | | | | Relay 14 Combination Tree Input Line 6, Point 6 | | | | R | |
| B698H-B699H | 46745-46746 | | | | Relay 14 Combination Tree Input Line 7, Point 7 | | | | R | |
| B69AH-B69BH | 46747-46748 | | | | Relay 14 Combination Tree Input Line 8, Point 8 | | | | R | |
| B69CH | 46749 | | | | Relay 14 Combination Logic (Combination A/ Combination B) | | | | R | |
| B69DH | 46750 | | | | Relay 14 Combination Logic (Combination C/ Combination D) | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B69EH | 46751 | | | | Relay 14 Combination Logic (Combination E/ Combination F) | | | | R | |
| B69FH | 46752 | | | | Relay 14 Combination Logic (Combination G/ Reserved) | | | | R | |
| B6A0H | 46753 | | | | Relay 14 Set Delay/ Reset Delay | | | | R | |
| B6A1H-B6A3H | 46754-46756 | | | | Reserved | | | | R | |
| B6A4H-B6A5H | 46757-46758 | | | | Relay 15 Combination Tree Input Line 1, Point 1 | | | | R | |
| B6A6H-B6A7H | 46759-46760 | | | | Relay 15 Combination Tree Input Line 2, Point 2 | | | | R | |
| B6A8H-B6A9H | 46761-46762 | | | | Relay 15 Combination Tree Input Line 3, Point 3 | | | | R | |
| B6AAH-B6ABH | 46763-46764 | | | | Relay 15 Combination Tree Input Line 4, Point 4 | | | | R | |
| B6ACH-B6ADH | 46765-46766 | | | | Relay 15 Combination Tree Input Line 5, Point 5 | | | | R | |
| B6AEH-B6AFH | 46767-46768 | | | | Relay 15 Combination Tree Input Line 6, Point 6 | | | | R | |
| B6B0H-B6B1H | 46769-46770 | | | | Relay 15 Combination Tree Input Line 7, Point 7 | | | | R | |
| B6B2H-B6B3H | 46771-46772 | | | | Relay 15 Combination Tree Input Line 8, Point 8 | | | | R | |
| B6B4H | 46773 | | | | B) | | | | R | |
| B6B5H | 46774 | | | | Relay 15 Combination Logic (Combination C/ Combination D) | | | | R | |
| B6B6H | 46775 | | | | F) | | | | R | |
| B6B7H | 46776 | | | | Relay 15 Combination Logic (Combination G/ Reserved) | | | | R | |
| B6B8H | 46777 | | | | Relay 15 Set Delay/ Reset Delay | | | | R | |
| B6B9H-B6BBH | 46778-46780 | | | | Reserved | | | | R | |
| B6BCH-B6BDH | 46781-46782 | | | | Relay 16 Combination Tree Input Line 1, Point 1 | | | | R | |
| B6BEG-B6BFH | 46783-46784 | | | | Relay 16 Combination Tree Input Line 2, Point 2 | | | | R | |
| B6C0H-B6C1H | 46785-46786 | | | | Relay 16 Combination Tree Input Line 3, Point 3 | | | | R | |
| B6C2H-B6C3H | 46787-46788 | | | | Relay 16 Combination Tree Input Line 4, Point 4 | | | | R | |
| B6C4H-B6C5H | 46789-46790 | | | | Relay 16 Combination Tree Input Line 5, Point 5 | | | | R | |
| B6C6H-B6C7H | 46791-46792 | | | | Relay 16 Combination Tree Input Line 6, Point 6 | | | | R | |
| B6C8H-B6C9H | 46793-46794 | | | | Relay 16 Combination Tree Input Line 7, Point 7 | | | | R | |
| B6CAH-B6CBH | 46795-46796 | | | | Relay 16 Combination Tree Input Line 8, Point 8 | | | | R | |
| B6CCH | 46797 | | | | Relay 16 Combination Logic (Combination A/ Combination B) | | | | R | |
| B6CDH | 46798 | | | | Relay 16 Combination Logic (Combination C/ Combination D) | | | | R | |
| B6CEH | 46799 | | | | F) | | | | R | |
| B6CFH | 46800 | | | | Relay 16 Combination Logic (Combination G/ Reserved) | | | | R | |
| B6D0H | 46801 | | | | Relay 16 Set Delay/ Reset Delay | | | | R | |
| B6D1H-B6D3H | 46802-46804 | | | | Reserved | | | | R | |
| | Limit Profile Label Block | | | | | | | | | |
| B6D4H-B6DBH | 46805-46812 | | | | Limit 1 Label | | | F2 | R | ch.7 |
| B6DCH-B6E3H | 46813-46820 | | | | Limit 2 Label | | | F2 | R | ch.7 |
| B6E4H-B6EBH | 46821-46828 | | | | Limit 3 Label | | | F2 | R | ch.7 |
| B6ECH-B6F3H | 46829-46836 | | | | Limit 4 Label | | | F2 | R | ch.7 |
| B6F4H-B6FBH | 46837-46844 | | | | Limit 5 Label | | | F2 | R | ch.7 |
| B6FCH-B703H | 46845-46852 | | | | Limit 6 Label | | | F2 | R | ch.7 |
| B704H-B70BH | 46853-46860 | | | | Limit 7 Label | | | F2 | R | ch.7 |
| B70CH-B713H | 46861-46868 | | | | Limit 8 Label | | | F2 | R | ch.7 |
| B714H-B71BH | 46869-46876 | | | | Limit 9 Label | | | F2 | R | ch.7 |
| B71CH-B723H | 46877-46884 | | | | Limit 10 Label | | | F2 | R | ch.7 |
| B724H-B72BH | 46885-46892 | | | | Limit 11 Label | | | F2 | R | ch.7 |
| B72CH-B733H | 46893-46900 | | | | Limit 12 Label | | | F2 | R | ch.7 |
| B734H-B73BH | 46901-46908 | | | | Limit 13 Label | | | F2 | R | ch.7 |
| B73CH-B743H | 46909-46916 | | | | Limit 14 Label | | | F2 | R | ch.7 |
| B744H-B74BH | 46917-46924 | | | | Limit 15 Label | | | F2 | R | ch.7 |
| B74CH-B753H | 46925-46932 | | | | Limit 16 Label | | | F2 | R | ch.7 |
| B754H-B75BH | 46933-46940 | | | | Limit 17 Label | | | F2 | R | ch.7 |
| B75CH-B763H | 46941-46948 | | | | Limit 18 Label | | | F2 | R | ch.7 |
| B764H-B76BH | 46949-46956 | | | | Limit 19 Label | | | F2 | R | ch.7 |
| B76CH-B773H | 46957-46964 | | | | Limit 20 Label | | | F2 | R | ch.7 |

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| B774H-B77BH | 46965-46972 | | | | Limit 21 Label | | | F2 | R | ch.7 |
| B77CH-B783H | 46973-46980 | | | | Limit 22 Label | | | F2 | R | ch.7 |
| B784H-B78BH | 46981-46988 | | | | Limit 23 Label | | | F2 | R | ch.7 |
| B78CH-B793H | 46989-46996 | | | | Limit 24 Label | | | F2 | R | ch.7 |
| B794H-B79BH | 46997-47004 | | | | Limit 25 Label | | | F2 | R | ch.7 |
| B79CH-B7A3H | 47005-47012 | | | | Limit 26 Label | | | F2 | R | ch.7 |
| B7A4H-B7ABH | 47213-47020 | | | | Limit 27 Label | | | F2 | R | ch.7 |
| B7ACH-B7B3H | 47021-47028 | | | | Limit 28 Label | | | F2 | R | ch.7 |
| B7B4H-B7BBH | 47029-47036 | | | | Limit 29 Label | | | F2 | R | ch.7 |
| B7BCH-B7C3H | 47037-47044 | | | | Limit 30 Label | | | F2 | R | ch.7 |
| B7C4H-B7CBH | 47045-47052 | | | | Limit 31 Label | | | F2 | R | ch.7 |
| B7CCH-B7D3H | 47053-47060 | | | | Limit 32 Label | | | F2 | R | ch.7 |
| | External Analog Output Module Channel Update Block | | | | | | | | | |
| B7D4H | 47061 | | | | Module 1/ Module 2 | | | | R | |
| B7D5H | 47062 | | | | Module 3/ Module 4 | | | | R | |
| | DNP Block | | | | | | | | | |
| | Miscellaneous DNP Settings Block | | | | | | | | | |
| B7D6H | 47063 | | | | MSB: Scale for Analog Output of Average Pulse Accumulation<br>LSB: Compressed DNP Mapping | | | | R | |
| B7D7H | 47064 | | | | MSB: Energy in the interval<br>LSB: DNP Time synchronization | | | | R | |
| B7D8H | 47065 | | | | DNP Time Synchronization Time Interval | | | | R | |
| B7D9H | 47066 | | | | Bit[15-14]: DNP Configuration<br>00: DNP Level 1<br>01: DNP Level 2<br>10: Reserved<br>11: DNP Level 1<br>Bit 13: Class 0 Counter Object<br>0: Object 20<br>1: Object 21<br>Bit 12: DNP Freeze Schedule<br>0: Disable<br>1: Enable<br>Bit 11: DNP Unsolicited Response Mode<br>0: Off<br>1: On<br>Bit 10: DNP Disable Unsolicited Response On Startup<br>0: No<br>1: Yes<br>Bit 9: DNP Enable Unsolicited Response for Class 1<br>0: No<br>1: Yes<br>Bit 8: DNP Enable Unsolicited Response for Class 1<br>0: No<br>1: Yes<br>Bit 7: DNP Enable Unsolicited Response for Class 3<br>0: No<br>1: Yes<br>Bits[0-6]: Reserved | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| B7DAH-B7DDH | 47067-47070 | | | | DNP Freeze Date & Time | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| B7DEH | 47071 | | | | DNP Freeze Interval<br>MSB: Hour<br>LSB: Minute | | | | R | |
| B7DFH | 47072 | | | | DNP Unsolicited Response: Destination Address<br>MSB first: from 1 to 65519 | | | | | |
| B7E0H | 47073 | | | | DNP Unsolicited Response:<br>High Byte: Confirmation Timoeut - from 1 sec to 60 sec<br>Low Byte: Number of Retry - from 1 to 16, but 16 retry forever | | | | | |
| B7E1H-B7FFH | 47074-47104 | | | | Reserved | | | | | |
| | Custom DNP Definition Block for Analog Input (Object 30) | | | | | | | | | |
| B800H | 47105 | | | | Point 0: Line Number<br>Line Number from an analog input readings, such as 34 (One second Phase-Neutron Voltage Update) | | | | R | |
| B801H | 47106 | | | | Point 0:<br>MSB: Point Number<br>Point Number from an analog input readings, such as 0 (Phase A-N Voltage from One secod phase-neutron voltage)<br>LSB: Reserved | | | | R | |
| B802H | 47107 | | | | Point 0: Deadband | -328% / +328% | 0.01% | | R | |
| B803H | 47108 | | | | Point 0:<br>MSB: Class Assignment (8 bit bitmap)<br>LSB: Reserved | | | | R | |
| B804H-B8FFH | 47109-47360 | | | | Point 1 - Point 63 | | | | | |
| | Custom DNP Definition Block for Binary Counter (Object 20) | | | | | | | | | |
| B900H | 47361 | | | | Point 0: Line Number<br>Line Number from an accumulation readings, such as 537 (Energy Scaled) | | | | R | |
| B901H | 47362 | | | | Point 0:<br>MSB: Point Number<br>Point Number from an accumulation readings, such as 0 (Positive Wh (Quadrant 1+4) from Energy Scaled)<br>LSB: Scaling | | | | R | |
| B902H-B903H | 47363-47364 | | | | Point 0: Delta values for Event to occur | | | | R | |
| B904H | 47365 | | | | Point 0:<br>MSB: Class Assignment (8 bit bitmap)<br>LSB: Reserved | | | | R | |
| B905H-B907H | 47366-47368 | | | | Point 0, reserved | | | | | |
| B908H-B93FH | 47369-47424 | | | | Point 1 - Point 8 | | | | | |
| | Custom DNP Definition Block for Binary Input (Object 1) | | | | | | | | | |
| B940H | 47425 | | | | Point 0-7: Line Number<br>Line Number from a binary input readings, such as 233 (Low Speed (Internal) Inputs) | | | | R | |
| B941H | 47426 | | | | Point 0-7:<br>MSB: Point Number<br>Point Number from a binary input readings, such as 0 (Input 1 from Low Speed (Internal) Inputs)<br>LSB: Class Assignment (8 bit bitmap) | | | | R | |
| B942H-B943H | 47427-47428 | | | | Point 0-7: Reserved | | | | | |
| B944H-B95FH | 47429-47456 | | | | Point 8-15 - Point 57-64 | | | | | |
| | Custom DNP Definition Block for Binary Output (Object 10) | | | | | | | | | |
| B960H | 47457 | | | | Relay: Enable/Disable | | | | R | |
| B961H | 47458 | | | | Reset: Enable/Disable | | | | R | |

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| | Custom DNP Definition Block for Global Values | | | | | | | | | |
| B962H | 47459 | | | | Choice Of Variation 0:<br>MSB: For Binary Input (Object 1)<br>LSB: For Binary Input Change (Object 2) | | | | R | |
| B963H | 47460 | | | | Choice Of Variation 0:<br>MSB: For Binary Counter (Object 20)<br>LSB: For Frozen Counter (Object 21) | | | | R | |
| B964H | 47461 | | | | Choice Of Variation 0:<br>MSB: For Counter Change Event (Object 22)<br>LSB: For Frozen Counter Event (Object 23) | | | | R | |
| B965H | 47462 | | | | Choice Of Variation 0:<br>MSB: For Analog Input (Object 30)<br>LSB: For Frozen Analog Input (Object 31) | | | | R | |
| B966H | 47463 | | | | Choice Of Variation 0:<br>MSB: For Analog Change Event (Object 32)<br>LSB: For Frozen Analog Event (Object 33) | | | | R | |
| B967H | 47464 | | | | MSB: Custom 16-bit Scaling Enable<br>LSB: Reserved | | | | R | |
| B968H-B969H | 47465 | | | | Scale for Ia, b, c, n | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| B96AH-B96BH | 47466 | | | | Scale for Iaux | +32767 A / 0 A | 1/ 65536 A sec | F7 | R | |
| B96CH-B96DH | 47467 | | | | Scale for Van, bn, cn | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | |
| B96EH-B96FH\ | 47468 | | | | Scale for Vaux | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | |
| B970H-B971H | 47469 | | | | Scale for Vab, bc, ca | +32767 V / 0 V | 1/ 65536 V sec | F7 | R | |
| B972H-B973H | 47470 | | | | Scale for Power a, b, c | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | |
| B974H-B975H | 47471 | | | | Scale for Total Power | +32767 W / -32768 W | 1/ 65536 W sec | F7 | R | |
| B976H-B977H | 47472 | | | | Scale for Frequency (High End) | +32767 Hz / -32768 Hz | 1/ 65536 Hz | F7 | R | |
| B978H-B979H | 47473 | | | | Scale for Frequency (Low End) | +32767 Hz / -32768 Hz | 1/ 65536 Hz | F7 | R | |
| B97AH-BDFFH | 47474-48640 | | | | Reserved | | | | | |
| BE00H-C27FH | 48641-49792 | | | | Reserved | | | | | |
| | External Digital Output Module Labels Block | | | | | | | | | |
| C280H-C287H | 49793-49800 | | | | Module 1 Relay Label 1 | | | | R | |
| C288H-C28FH | 49801-49808 | | | | Module 1 Relay Label 2 | | | | R | |
| C290H-C297H | 49809-49816 | | | | Module 1 Relay Label 3 | | | | R | |
| C298H-C29FH | 49817-49824 | | | | Module 1 Relay Label 4 | | | | R | |
| C2A0H-C2A7H | 49825-49832 | | | | Module 2 Relay Label 1 | | | | R | |
| C2A8H-C2AFH | 49833-49840 | | | | Module 2 Relay Label 2 | | | | R | |
| C2B0H-C2B7H | 49841-49848 | | | | Module 2 Relay Label 3 | | | | R | |
| C2B8H-C2BFH | 49849-49856 | | | | Module 2 Relay Label 4 | | | | R | |
| C2C0H-C2C7H | 49857-49864 | | | | Module 3 Relay Label 1 | | | | R | |
| C2C8H-C2CFH | 49865-49872 | | | | Module 3 Relay Label 2 | | | | R | |
| C2D0H-C2D7H | 49873-49880 | | | | Module 3 Relay Label 3 | | | | R | |
| C2D8H-C2DFH | 49881-49888 | | | | Module 3 Relay Label 4 | | | | R | |
| C2E0H-C2E7H | 49889-49896 | | | | Module 4 Relay Label 1 | | | | R | |
| C2E8H-C2EFH | 49897-49904 | | | | Module 4 Relay Label 2 | | | | R | |
| C2F0H-C2F7H | 49905-49912 | | | | Module 4 Relay Label 3 | | | | R | |
| C2F8H-C2FFH | 49913-49920 | | | | Module 4 Relay Label 4 | | | | R | |
| C300H-C307H | 49921-49928 | | | | Module 1 Relay Common Shorted to Normally Closed Label 1 | | | | R | |
| C308H-C30FH | 49929-49936 | | | | Module 1 Relay Common Shorted to Normally Closed Label 2 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| C310H-C317H | 49937-49944 | | | | Module 1 Relay Common Shorted to Normally Closed Label 3 | | | | R | |
| C318H-C31FH | 49945-49952 | | | | Module 1 Relay Common Shorted to Normally Closed Label 4 | | | | R | |
| C320H-C327H | 49953-49960 | | | | Module 2 Relay Common Shorted to Normally Closed Label 1 | | | | R | |
| C328H-C32FH | 49961-49968 | | | | Module 2 Relay Common Shorted to Normally Closed Label 2 | | | | R | |
| C330H-C337H | 49969-49976 | | | | Module 2 Relay Common Shorted to Normally Closed Label 3 | | | | R | |
| C338H-C33FH | 49977-49984 | | | | 4 | | | | R | |
| C340H-C347H | 49985-49992 | | | | Module 3 Relay Common Shorted to Normally Closed Label 1 | | | | R | |
| C348H-C34FH | 49993-50000 | | | | 2 | | | | R | |
| C350H-C357H | 50001-50008 | | | | Module 3 Relay Common Shorted to Normally Closed Label 3 | | | | R | |
| C358H-C35FH | 50009-50016 | | | | Module 3 Relay Common Shorted to Normally Closed Label 4 | | | | R | |
| C360H-C367H | 50017-50024 | | | | Module 4 Relay Common Shorted to Normally Closed Label 1 | | | | R | |
| C368H-C36FH | 50025-50032 | | | | Module 4 Relay Common Shorted to Normally Closed Label 2 | | | | R | |
| C370H-C377H | 50033-50040 | | | | Module 4 Relay Common Shorted to Normally Closed Label 3 | | | | R | |
| C378H-C37FH | 50041-50048 | | | | Module 4 Relay Common Shorted to Normally Closed Label 4 | | | | R | |
| C380H-C387H | 50049-50056 | | | | Module 1 Relay Common Shorted to Normally Opened Label 1 | | | | R | |
| C388H-C38FH | 50057-50064 | | | | Module 1 Relay Common Shorted to Normally Opened Label 2 | | | | R | |
| C390H-C397H | 50065-50072 | | | | Module 1 Relay Common Shorted to Normally Opened Label 3 | | | | R | |
| C398H-C39FH | 50073-50080 | | | | Module 1 Relay Common Shorted to Normally Opened Label 4 | | | | R | |
| C3A0H-C3A7H | 50081-50088 | | | | Module 2 Relay Common Shorted to Normally Opened Label 1 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| C3Q8H-C3AFH | 50089-50096 | | | | Module 2 Relay Common Shorted to Normally Opened Label 2 | | | | R | |
| C3B0H-C3B7H | 50097-50104 | | | | Module 2 Relay Common Shorted to Normally Opened Label 3 | | | | R | |
| C3B8H-C3BFH | 50105-50112 | | | | Module 2 Relay Common Shorted to Normally Opened Label 4 | | | | R | |
| C3C0H-C3C7H | 50113-50120 | | | | Module 3 Relay Common Shorted to Normally Opened Label 1 | | | | R | |
| C3C8H-C3CFH | 50121-50128 | | | | Module 3 Relay Common Shorted to Normally Opened Label 2 | | | | R | |
| C3D0H-C3D7H | 50129-50136 | | | | Module 3 Relay Common Shorted to Normally Opened Label 3 | | | | R | |
| C3D8H-C3DFH | 50137-50144 | | | | Module 3 Relay Common Shorted to Normally Opened Label 4 | | | | R | |
| C3E0H-C3E7H | 50145-50152 | | | | Module 4 Relay Common Shorted to Normally Opened Label 1 | | | | R | |
| C3E8H-C3EFH | 50153-50160 | | | | Module 4 Relay Common Shorted to Normally Opened Label 2 | | | | R | |
| C3F0H-C3F7H | 50161-50168 | | | | Module 4 Relay Common Shorted to Normally Opened Label 3 | | | | R | |
| C3F8H-C3FFH | 50169-50176 | | | | Module 4 Relay Common Shorted to Normally Opened Label 4 | | | | R | |
| | Reserved Block | | | | | | | | | |
| C400H-C45FH | 50177-50272 | | | | Reserved | | | | | |
| | Customizable Modbus Map Settings Block | | | | | | | | | |
| C460H-C461H | 50273-50274 | | | | Line 1, Point 1 | | | | R | |
| C462H-C65FH | 50275-50784 | | | | Line 2, Point 2 - Line 256, Point 256 | | | | R | |
| | Network Settings 10/100 Card | | | | | | | | | |
| | Auto TFTP Download Settings | | | | | | | | | |
| C660H | 50785 | | | | Enable/ Disable | | | | | |
| C661H | 50786 | | | | TFTP Port | | | | | |
| C662H-C663H | 50787-50788 | | | | Client IP | | | | | |
| C664H-C665H | 50789-50790 | | | | Server IP | | | | | |
| C666H-C667H | 50791-50792 | | | | Default Gateway | | | | | |
| C668H-C669H | 50793-50794 | | | | Subnet Mask | | | | | |
| C66AH | 50795 | | | | Email Mode | | | | | |
| C66BH | 50796 | | | | FTP Download | | | | | |
| C66CH-C6ABH | 50797-50860 | | | | Download Filename (128 Bytes) | | | | | |
| | Email Client settings | | | | | | | | | |
| C6ACH-C6CBH | 50861-50892 | | | | Email Server IP Addres / Name (64 bytes) | | | | | |
| C6CCH-C6EBH | 50893-50924 | | | | Nxs Comm Email Processing Service IP Address / Name (64 bytes) | | | | | |
| C6ECH-C70BH | 50925-50956 | | | | Return / Reply Address (64 bytes) | | | | | |
| C70CH-C72BH | 50957-50988 | | | | Email Subject Text (64 Bytes) | | | | | |
| C72CH-C73BH | 50989-51004 | | | | Email Username (32 Bytes) | | | | | |
| C73CH-C74BH | 51005-51020 | | | | Email Password (32 Bytes) | | | | | |
| C74CH-C7CBH | 51021-51148 | | | | Reserved | | | | | |
| C7CCH-C7D3H | 51149-51156 | | | | Reserved | | | | | |
| | DNP LAN/WAN | | | | | | | | | |
| C7D4H | 51157 | | | | MSB: Mode<br>LSB: Bitmap Set | | | | R | |
| C7D5H | 51158 | | | | MSB: UDP Addressing<br>LSB: Validate Source IPs | | | | R | |
| C7D6H | 51159 | | | | TCP Listen Port | | | | R | |
| C7D7H | 51160 | | | | UDP Listen Port | | | | R | |
| C7D8H-C7D9H | 51161-51162 | | | | Valid IP Address 1 | | | | R | |
| C7DAH-C7DBH | 51163-51164 | | | | Valid IP Address 2 | | | | R | |
| C7DCH-C7DDH | 51165-61166 | | | | Valid IP Address 3 | | | | R | |
| C7DEH-C7DFH | 51167-51168 | | | | Valid IP Address 4 | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| C7E0H-C7E1H | 51169-51170 | | | | Valid IP Subnet Mask 1 | | | | R | |
| C7E2H-C7E3H | 51171-51172 | | | | Valid IP Subnet Mask 2 | | | | R | |
| C7E4H-C7E5H | 51173-51174 | | | | Valid IP Subnet Mask 3 | | | | R | |
| C7E6H-C7E7H | 51175-51176 | | | | Valid IP Subnet Mask 4 | | | | R | |
| C7E8H-C7EBH | 51177-51180 | | | | TCP Starting Valid Client Ports | | | | R | |
| C7ECH-C7EFH | 51181-51184 | | | | TCP Ending Valid Client Ports | | | | R | |
| C7F0H-C7F3H | 51185-51188 | | | | UDP Starting Valid Client Ports | | | | R | |
| C7F4H-C7F7H | 51189-51192 | | | | UDP Ending Valid Client Ports | | | | R | |
| C7F8H-C7F9H | 51193-51194 | | | | Reserved | | | | | |
| C7FAH | 51195 | | | | UDP Respond Port | | | | R | |
| C7FBH | | | | | Device Address | | | | R | |
| C7FCH-C7FFH | 51196-51200 | | | | Reserved | | | | | |
| | Customizable Modbus Map Format Block | | | | | | | | | |
| C800H | 51201 | | | | Custom Modbus Point 1 Style / Format | | | | R | |
| C801H | 51202 | | | | Custom Modbus Point 1 Unit / Special | | | | | |
| C802H-C9FFH | 51203-51712 | | | | Custom Modbus Points 2-256 Style / Format and Unit / Special | | | | R | |
| | Energy Scale Settings | | | | | | | | | |
| CA00H | 51713 | | | | Q1234 VAh/ Q12 VARh | | | F65 | | |
| CA01H | 51714 | | | | Q34 VARh/ Q14 Wh | | | F65 | | |
| CA02H | 51715 | | | | Q1 VAh/ Q1 VARh | | | F65 | | |
| CA03H | 51716 | | | | Q4 VAh/ Q4 VARh | | | F65 | | |
| CA04H | 51717 | | | | Q23 Wh/ Q2 VAh | | | F65 | | |
| CA05H | 51718 | | | | Q2 VARh/ Q3 VAh | | | F65 | | |
| CA06H | 51719 | | | | Q3 VARh/ $I^2t$ Phase A | | | F65 | | |
| CA07H | 51720 | | | | $I^2t$ Phase B/ $I^2t$ Phase C | | | F65 | | |
| CA08H | 51721 | | | | $V^2t$ Phase A/ $V^2t$ Phase B | | | F65 | | |
| CA09H | 51722 | | | | $V^2t$ Phase C/ Q1 Wh | | | F65 | | |
| CA0AH | 51723 | | | | Q4 Wh/ Q2 Wh | | | F65 | | |
| CA0BH | 51724 | | | | Q3 Wh/ Q1234 VAh, Uncompensated | | | F65 | | |
| CA0CH | 51725 | | | | Q12 VARh, Uncompensated/ Q34 VARh, Uncompensated | | | F65 | | |
| CA0DH | 51726 | | | | Q14 Wh, Uncompensated/ Q23 Wh, Uncompensated | | | F65 | | |
| CA0EH | 51727 | | | | +Qh/ -Qh | | | F65 | | |
| CA0FH-CA13H | 51728-51732 | | | | Reserved | | | | | |
| CA14H | 51733 | | | | Pulse Accumulation, Input 1/ Pulse Accumulation Input 2 | | | F65 | | |
| CA15H | 51734 | | | | Pulse Accumulation, Input 3/ Pulse Accumulation Input 4 | | | F65 | | |
| CA16H | 51735 | | | | Pulse Accumulation, Input 5/ Pulse Accumulation Input 6 | | | F65 | | |
| CA17H | 51736 | | | | Pulse Accumulation, Input 7/ Pulse Accumulation Input 8 | | | F65 | | |
| CA18H | 51737 | | | | Pulse Aggregation 1/ Pulse Aggregation 2 | | | F65 | | |
| CA19H | 51738 | | | | Pulse Aggregation 3/ Pulse Aggregation 4 | | | F65 | | |
| CA1AH | 51739 | | | | SYNCH connection (Yes/No 1-255/0) / PVF change per day (1-50) | | | F47 F49 | | |
| CA1BH | 51740 | | | | MSB: KYZ Operation Status Enable<br>LSB: KYZ Operation Satus Selection: KYZ1=0; KYZ2=1; KYZ3=2; KYZ4=3 | | | | | |
| CA1CH-CA1DH | 51741-51742 | | | | TDD Reference Voltage | | | F7 | | |
| CA1EH-CA1FH | 51743-51744 | | | | TDD Reference Current | | | F7 | | |
| CA20H-CA21H | 51745-51746 | | | | EN50160 Nominal Voltage | | | | | |
| CA22H-CA94H | 51747-51861 | | | | Reserved | | | | | |
| | Nexus 15xx Master RTU Block (Modbus RTU only Func Code 0x03 Only) | | | | | | | | | |
| CA95H | 51862 | | | | Polling Order 1/ Device address | | | | | |
| CA96H | 51863 | | | | Starting Modbus address | | | | | |
| CA97H | 51864 | | | | Number of Register | | | | | |
| CA98H-CC14H | 51865-52245 | | | | Repeat 127 times | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | Accumulator/Aggregators Limit | | | | | | | | | | |
| CA95H | 51862 | | | | Polling Order 1/ Device address | | | | | | |
| CA96H | 51863 | | | | Starting Modbus address | | | | | | |
| CA97H | 51864 | | | | Number of Register | | | | | | |
| CA98H-CC14H | 51865-52245 | | | | Repeat 127 times | | | | | | |
| CC15H-CEEFH | 52246-52976 | | | | Reserved | | | | | | |
| | Update Settings Block | | | | | | | | | | |
| CEF0H-CF6FH | 52977-53104 | | | | User Memo Field (256 bytes) | | | | | | |
| CF70H-CFEFH | 53105-53232 | | | | Name of User Who Last Updated the Profile (256 bytes) | | | | | | |
| CFF0H | 53233 | | | | Device Profile Version (Year) | | | | | | |
| CFF1H | 53234 | | | | Device Profile Version (Month/ Day) | | | | | | |
| CFF2H | 53235 | | | | Device Profile Version (Build) | | | | | | |
| CFF3H | 53236 | | | | Pro Software ID | | | | | | |
| CFF4H-CFF5H | 53237-53238 | | | | Electro Industries Device Type (Base Unit) | | | | | | |
| CFF6H | 53239 | | | | Electro Industries Device Type (Option 1/ Option 2) | | | | | | |
| CFF7H | 53240 | | | | Electro Industries Device Type (Option 3/ Option 4) | | | | | | |
| CFF8H | 53241 | | | | Update Programming Software Version Number (Major) | | | | | | |
| CFF9H | 53242 | | | | Update Programming Software Version Number (Minor) | | | | | | |
| CFFAH | 53243 | | | | Update Programming Software Version Number (Revision) | | | | | | |
| CFFBH-CFFEH | 53244-53247 | | | | Update Time | | | | | R | |
| CFFFH | 53248 | | | | Programmable Settings Block Checksum | | | | | R | |
| | 12-Bit RTU Block | | | | | | | | | | |
| D000H | 53249 | | | | Sanity Rregister | | | F58 | R | | |
| D001H | 53250 | | | | Phase A Current | +5 A / 0 A | 5 / 2048 A sec | F59 | R | | |
| D002H | 53251 | | | | Phase B Current | +5 A / 0 A | 5 / 2048 A sec | F59 | R | | |
| D003H | 53252 | | | | Phase C Current | +5 A / 0 A | 5 / 2048 A sec | F59 | R | | |
| D004H | 53253 | | | | Phase A-N Voltage | +150 V / 0 V | 150 / 2048 V sec | F59 | R | | |
| D005H | 53254 | | | | Phase B-N Voltage | +150 V / 0 V | 150 / 2048 V sec | F59 | R | | |
| D006H | 53255 | | | | Phase C-N Voltage | +150 V / 0 V | 150 / 2048 V sec | F59 | R | | |
| D007H | 53256 | | | | Total Watt | +1500 W / -1500 W | 1500 / 2048 W sec | F59 | R | | |
| D008H | 53257 | | | | Total VAR | +1500 VAR / -1500 VAR | 1500 / 2048 VAR sec | F59 | R | | |
| D009H | 53258 | | | | Phase A Watt | +1500 W / -1500 W | 1500 / 2048 W sec | F59 | R | | |
| D00AH | 53259 | | | | Phase B Watt | +1500 W / -1500 W | 1500 / 2048 W sec | F59 | R | | |
| D00BH | 53260 | | | | Phase C Watt | +1500 W / -1500 W | 1500 / 2048 W sec | F59 | R | | |
| D00CH | 53261 | | | | Phase A VAR | +1500 VAR / -1500 VAR | 1500 / 2048 VAR sec | F59 | R | | |
| D00DH | 53262 | | | | Phase B VAR | +1500 VAR / -1500 VAR | 1500 / 2048 VAR sec | F59 | R | | |
| D00EH | 53263 | | | | Phase C VAR | +1500 VAR / -1500 VAR | 1500 / 2048 VAR sec | F59 | R | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D00FH-D010H | 53264-53265 | | | | Reserved | | | | | |
| D011H | 53266 | | | | Computed Neutral Current | +5 A / 0 A | 5 / 2048 A sec | F59 | R | |
| D012H-D013H | 53267-53268 | | | | Positive Watthour | +99,999,999 kWh / 0 kWh | 1 kWh pri | F60 | R | |
| D014H-D015H | 53269-53270 | | | | Negative Watthour | 0 kWh / +99,999,999 kWh | 1 kWh pri | F60 | R | |
| D016H-D017H | 53271-53272 | | | | Positive VARhour | +99,999,999 kVARh / 0 kVARh | 1 kVARh pri | F60 | R | |
| D018H-D019H | 53273-53274 | | | | Negative VARhour | 0 kVARh / +99,999,999 kVARh | 1 kVARh pri | F60 | R | |
| D01AH | 53275 | | | | Frequency | 45 Hz / 75 Hz | 30 / 4096 Hz | F61 | R | |
| D01BH-D062H | 53276-53347 | | | | Reserved | | | | | |
| D063H | 53348 | | | | Energy Reset | | | | W | |
| | NVRAM Window | | | | | | | | | |
| D800H-DFFFH | 55296-57344 | | | | NVRAM readings (Diagnostic Purpose only) | | | | | |
| | Action Block | | | | | | | | | |
| E000H | 57345 | | | | Log Reset | | | | W | Ch.5 |
| E001H | 57346 | | | | Maximum Reset | | | | W | |
| E002H | 57347 | | | | Minimum Reset | | | | W | |
| E003H | 57348 | | | | Energy Reset | | | | W | |
| E004H-E022H | 57349-57379 | | | | Reserved | | | | | |
| E023H | 57380 | | | | Internal KYZ Enable | | | | R/W | |
| E024H | 57381 | | | | Flicker Action | Enumeration | | | R/W | |
| E025H | 57382 | | | | Modify SSH Mode, reserved for engineer debugging purpose only | | | | W | |
| E029H | 57386 | | | | Reset Time Of Use Current Month | | | | R/W | |
| E02BH | 57388 | | | | Reset Internal Input Accumulations and Aggregations | | | | R/W | |
| E02DH | 57390 | | | | Refresh External IO Header Information | | | | W | |
| E02EH | 57391 | | | | Refresh External IO Programming Information | | | | W | |
| E02FH | 57392 | | | | Relay Locking Relay Selection | | | | R/W | |
| E030H | 57393 | | | | Relay Locking Action Selection | | | | R/W | |
| E032H | 57395 | | | | Reset Test Mode Data | | | | W | |
| E033H | 57396 | | | | Reset KYZ Output Accumulations | | | | W | |
| E034H | 57397 | | | | Reset Cumulative Demand | | | | W | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E035H | 57398 | | | | Reset Historical Log 1 | | | | W | |
| E036H | 57399 | | | | Reset Historical Log 2 | | | | W | |
| E037H | 57400 | | | | Reset Sequence of Events Log (limit alarm log) | | | | W | |
| E038H | 57401 | | | | Reset Digital Input Log | | | | W | |
| E039H | 57402 | | | | Reset Relay Output Log | | | | W | |
| E03AH | 57403 | | | | Reset EN50160 10min Trending Log | | | | W | |
| E03BH | 57404 | | | | Reset Waveform Log | | | | W | |
| E03CH | 57405 | | | | Reset PQ Log | | | | W | |
| E03DH | 57406 | | | | Reset System Event Log | | | | W | |
| E03EH | 57407 | | | | Reset Total Average Power Factor | | | | W | |
| E04AH | 57419 | | | | Reset Historical Log 3 | | | | W | |
| E04BH | 57420 | | | | Reset Historical Log 4 | | | | W | |
| E04CH | 57421 | | | | Reset Historical Log 5 | | | | W | |
| E04DH | 57422 | | | | Reset Historical Log 6 | | | | W | |
| E04EH | 57423 | | | | Reset Historical Log 7 | | | | W | |
| E04FH | 57424 | | | | Reset Historical Log 8 | | | | W | |
| E050H | 57425 | | | | Reset Event Triggered Log | | | | W | |
| E053H | 57428 | | | | Reset Core Trending log | | | | W | |
| E0A4H | 57509 | | | | Reset Time of Use Current Season/week/day | | | | W | |
| E0AAH | 57515 | | | | Time of Use Manual Read Season/week/day Block Data | | | | W | |
| E0ABH | 57516 | | | | Time of Use Manual Read Month Block Data | | | | W | |
| E0ACH | 57517 | | | | (all TOU data, and resets under command E001, E002, | | | | W | |
| | Password extended | | | | | | | | | |
| F2A0H-F2DFH | 62113-62176 | | | | Ciphertext | | | | R/W | Security |
| F2E0H-F2E7H | 62177-62184 | | | | Seed | | | | R | Security |
| F2E8H | 62185 | | | | System Security Status | | | | R | Security |
| F2E9H | 62186 | | | | Security Access Status | | | | R | Security |
| F2EAH | 62187 | | | | Session Role Index | | | | R/W | Security |
| F2EBH-F2EFH | 62188-62192 | | | | Session Privilege | | | | R | Security |
| F2F0H | 62193 | | | | Remaing Block Timeout Left | | | | R | Security |
| F2F1H | 62194 | | | | User Index | | | | R/W | Security |
| F2F2H | 62195 | | | | Session Inactivity Timeout Left | | | | R | Security |
| F2F3H | 62196 | | | | Remaing Seed Timeout Left | | | | R | Security |
| F2F4H | 62197 | | | | Inactivity Timeout | | | | R | Security |
| | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| F800H-F803H | 63489-63492 | | | | Multicycle Update RTC Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| F804H-F805H | 63493-63494 | | | | Multicycle RMS Phase A-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F806H-F807H | 63495-63496 | | | | Multicycle RMS Phase B-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F808H-F809H | 63497-63498 | | | | Multicycle RMS Phase C-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F80AH-F80BH | 63499-63500 | | | | Multicycle RMS Phase A-B Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F80CH-F80DH | 63501-63502 | | | | Multicycle RMS Phase B-C Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F80EH-F80FH | 63503-63504 | | | | Multicycle RMS Phase C-A Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F810H-F811H | 63505-63506 | | | | Multicycle RMS Phase X-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F812H-F813H | 63507-63508 | | | | Multicycle RMS Vres Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F814H-F815H | 63509-63510 | | | | Multicycle RMS Ires Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F820H-F821H | 63521-63522 | | | | Multicycle RMS Phase A Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F822H-F823H | 63523-63524 | | | | Multicycle RMS Phase B Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F824H-F825H | 63525-63526 | | | | Multicycle RMS Phase C Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F826H-F827H | 63527-63528 | | | | Multicycle RMS Phase X Current | -32767.999/+32767.999 | Amps | F73 | R | |
| | | | | | | | | | | |
| | 3second RMS Result Frame 150cycles for 50Hz sytem, 180cycles for 60HZ sytem | | | | | | | | | |
| F900H-F903H | 63745-63748 | | | | 3 sec Update RTC Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| F904H-F905H | 63749-63750 | | | | 3 sec RMS Phase A-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F906H-F907H | 63751-63752 | | | | 3 sec RMS Phase B-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F908H-F909H | 63753-63754 | | | | 3 sec RMS Phase C-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F90AH-F90BH | 63755-63756 | | | | 3 sec RMS Phase A-B Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F90CH-F90DH | 63757-63758 | | | | 3 sec RMS Phase B-C Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F90EH-F90FH | 63759-63760 | | | | 3 sec RMS Phase C-A Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F910H-F911H | 63761-63762 | | | | 3 sec RMS Phase X-N Voltage | -32767.999/+32767.999 | Amps | F7 | R | |
| F912H-F913H | 63763-63764 | | | | 3 sec RMS Vres Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F914H-F915H | 63765-63766 | | | | 3 sec RMS Ires Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F916H-F917H | 63767-63768 | | | | 1 sec ADC count V1 | -32767.999/+32767.999 | Volts | F7 | R | |
| F918H-F919H | 63769-63770 | | | | 2 sec ADC count V2 | -32767.999/+32767.999 | Volts | F7 | R | |
| F91AH-F91BH | 63771-63772 | | | | 3 sec ADC count V3 | -32767.999/+32767.999 | Volts | F7 | R | |
| F91CH-F91DH | 63773-63774 | | | | 4 sec ADC count V4 | -32767.999/+32767.999 | Volts | F7 | R | |
| F91EH-F91FH | 63775-63776 | | | | 3 sec RMS Phase N-E Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F920H-F921H | 63777-63778 | | | | 3 sec RMS Phase A Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F922H-F923H | 63779-63780 | | | | 3 sec RMS Phase B Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F924H-F925H | 63781-63782 | | | | 3 sec RMS Phase C Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F926H-F927H | 63783-63784 | | | | 3 sec RMS Phase X Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F928H-F929H | 63785-63786 | | | | 3 sec MEAN Phase A-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F92AH-F92BH | 63787-63788 | | | | 3 sec MEAN Phase B-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F92CH-F92DH | 63789-63790 | | | | 3 sec MEAN Phase C-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F92EH-F92FH | 63791-63792 | | | | 3 sec MEAN Phase A-B Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F930H-F931H | 63793-63794 | | | | 3 sec MEAN Phase B-C Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F932H-F933H | 63795-63796 | | | | 3 sec MEAN Phase C-A Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F934H-F935H | 63797-63798 | | | | 3 sec MEAN Phase X-N Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F936H-F937H | 63799-63800 | | | | 3 sec MEAN Vres Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F938H-F939H | 63801-63802 | | | | 3 sec MEAN Ires Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F93AH-F93BH | 63803-63804 | | | | 1 sec ADC count I1 | -32767.999/+32767.999 | Volts | F7 | R | |
| F93CH-F93DH | 63805-63806 | | | | 2 sec ADC count I2 | -32767.999/+32767.999 | Volts | F7 | R | |
| F93EH-F93FH | 63807-63808 | | | | 3 sec ADC count I3 | -32767.999/+32767.999 | Volts | F7 | R | |
| F940H-F941H | 63809-63810 | | | | 4 sec ADC count I4 | -32767.999/+32767.999 | Volts | F7 | R | |
| F942H-F943H | 63811-63812 | | | | 3 sec MEAN Phase N-E Voltage | -32767.999/+32767.999 | Volts | F7 | R | |
| F944H-F945H | 63813-63814 | | | | 3 sec MEAN Phase A Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F946H-F947H | 63815-63816 | | | | 3 sec MEAN Phase B Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F948H-F949H | 63817-63818 | | | | 3 sec MEAN Phase C Current | -32767.999/+32767.999 | Amps | F7 | R | |
| F94AH-F94BH | 63819-63820 | | | | 3 sec MEAN Phase X Current | -32767.999/+32767.999 | Amps | F7 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| F956H-F959H | 63831-63834 | | | | 10 min Update RTC Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| F95AH-F95BH | 63835-63836 | | | | 10 min RMS Phase A-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F95CH-F95DH | 63837-63838 | | | | 10 min RMS Phase B-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F95EH-F95FH | 63839-63840 | | | | 10 min RMS Phase C-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F960H-F961H | 63841-63842 | | | | 10 min RMS Phase A-B Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F962H-F963H | 63843-63844 | | | | 10 min RMS Phase B-C Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F964H-F965H | 63845-63846 | | | | 10 min RMS Phase C-A Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F966H-F967H | 63847-63848 | | | | 10 min RMS Phase X-N Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F968H-F969H | 63849-63850 | | | | 10 min RMS Vres Voltage | -32767.999/+32767.999 | Volts | F73 | R | |
| F96AH-F96BH | 63851-63852 | | | | 10 min RMS Ires Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F976H-F977H | 63863-63864 | | | | 10 min RMS Phase A Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F978H-F979H | 63865-63866 | | | | 10 min RMS Phase B Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F97AH-F97BH | 63867-63868 | | | | 10 min RMS Phase C Current | -32767.999/+32767.999 | Amps | F73 | R | |
| F97CH-F97DH | 63869-63870 | | | | 10 min RMS Phase X Current | -32767.999/+32767.999 | Amps | F73 | R | |
| | | | | | | | | | | |
| Compact Flash Block | | | | | | | | | | |
| FE13H-FE16H | 65044-65047 | | | | Reserved | | | F55 | | |
| FE17H-FE20H | 65048-65057 | | | | Serial Number: ASCII, right justified, with no null string terminator | | | F2 | | |
| FE21H-FE24H | 65058-65061 | | | | FAT Type: ASCII, right justified, with no null string terminator | | | F2 | | |
| FE25H-FE38H | 65062-65081 | | | | Model Number: ASCII, left justified, with no null string terminator | | | F2 | | |
| FE39H-FE3EH | 65082-65087 | | | | Reserved | | | | | |
| Device Identification Block 2 | | | | | | | | | | |
| FE3FH | 65088 | | | | Reserved | | | F112 | R | |
| FE40H-FE47H | 65089-65096 | | | | Device FPGA hardware ID | | | F1 | R | |
| FE48H-FE4FH | 65097-65104 | | | | Device FPGA firmware ID | | | F1 | R | |
| FE50H-FE57H | 65105-65112 | | | | System preboot version | | | F1 | R | |
| FE58H-FE5FH | 65113-65120 | | | | System preboot build time | | | F1 | R | |
| FE60H-FE67H | 65121-65128 | | | | System uboot version | | | F1 | R | |
| FE68H-FE6FH | 65129-65136 | | | | System uboot build time, 1/2 | | | F1 | R | |
| FE70H-FE77H | 65137-65144 | | | | System uboot build time, 2/2 | | | F1 | R | |
| FE78H-FE7FH | 65145-65152 | | | | Device module ucc_dsp version | | | F1 | R | |
| FE80H-FEDFH | 65153-65248 | | | | Reserved | | | | | |
| FEE0H-FEFFH | 65249-65280 | | | | engineering debug, ssh mode | | | F1 | R | |
| | Password Block | | | | | | | | | |
| FF23H-FF27H | 65316-65320 | | | | Level 2 User Password | Fixed Length String | | | W | Ch.8.106 |
| FF28H | 65321 | | | | Level 2 Password State | Enumeration | | | R | Ch.8.106 |
| FF29H | 65322 | | | | Sealing Switch State | Enumeration | | | R | Ch.8.106 |

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|---|---|---|---|---|---|---|---|---|---|---|
| FF2AH | 65323 | | | | Sealing Switch Timeout Status | Enumeration | | | R/W | |
| FF2BH-FF2CH | 65324-65325 | | | | Reserved | Enumeration | | | R | |
| FF2DH | 65326 | | | | Level 2 Password Lock | Enumeration | | | R/W | Ch.8.1 06 |
| FF2EH | 65327 | | | | Password Sequence/Status | Enumeration | | | R | Ch.8.1 06 |
| FF2FH | 65328 | | | | Password Command | Enumeration | | | R/W | Ch.8.1 06 |
| | Dynamic Configuration Block | | | | | | | | | |
| FF40H | 65345 | | | | NVRAM Configuration | | | | R | |
| FF41H | 65346 | | | | Current Time Stamp Status:<br>MSB first, Bit[15-12] = Current Weekday, 0=Sunday, 6= Saturday<br>Bit[11] = Not defined<br>Bit[10] = Debugging 1 = Line Synch Frequency Valid)<br>Bit[09] = IRIG-B Year Valid<br>Bit[08] = Debugging, 1= IRIG-B Time Continue Forwarding)<br>Bit[07] = Active IRIG-B<br>Bit[06] = Active DST<br>Bit[05] = Active Line Synch<br>Bit[04] = Active Cold Load<br>Bit[03] = DST Spring Date, it means current date/time is before DST period starting moment of current calender year<br>Bit[02] = DST Fall Date, it means current date/time is after DST period ending moment of current calender year<br>Bit[01] = Active SNTP<br>Bit[00] = 1 = Battery low flag) | | | | R | |
| FF42H | 65347 | | | | Reserved | | | | R | |
| FF43H | 65348 | | | | Reserved | | | | R | |
| FF44H | 65349 | | | | Sealing Switch Installed | Enumeration | | | R | |
| FF45H | 65350 | | | | Vswitch state | | | | R | |
| | Hardware Options Block | | | | | | | | | |
| FF50H-FF57H | 65361-65368 | | | | Reserved | | | | R | |
| | Reserved Status Block | | | | | | | | | |
| FF60H-FF63H | 65377 | | | | Reserved | | | | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | Tiny Encryption Input Block | | | | | | | | | |
| FF68H-FF6FH | 65385-65392 | | | | Tiny Encryption Input Registers | | | | R/W | |
| | Flash Control Block | | | | | | | | | |
| FF80H | 65409 | | | | Nexus Comm Operation Indicator: (Debugging only)<br>MSB fisrt,<br>Bit[00] = 1: Comm Run error (checksum/not found/read).(N/A to RUN).<br>Bit[01] = 1: Programmable Setting error (checksum/not found/read).<br>Bit[02] = 1: CF not found/discovered<br>Bit[03] = 1: Force in boot using default comm. setting.(N/A to RUN).<br>Bit[04] = 1: Meter in BOOT, 0: Meter in RUNTIME<br>Bit[05] = 1: FPGA firmware error (checksum/loading/not found/read).<br>Bit[06] = 1: DSP firmware error (checksum/not found/read).<br>Bit[07] = 1: Generic memory test failed.(N/A to RUN).<br>Bit[08] = 1: COMM internal memory test failed. (N/A to RUN).<br>Bit[09] = 1: File system failed. (N/A to RUN).<br>Bit[10] = 1: Logging stopped due to invalid log folder/files.<br>Bit[11] = 1: Running/Pause folder error.(N/A to BOOT)<br>Bit[12] = 1: Scan board failure.(N/A to RUN)<br>Bit[13] = 1: V-switch invalid settings. (N/A to RUN)<br>Bit[14] = 1: Reserved for IEC 61850 server status. (N/A)<br>Bit[15] = 1: Additional error status are available.(N/A to BOOT) | | | F112 | R | |
| FF82H | 65411 | | | | Connected port information | Enumeration | | | R | |
| FF85H | 65414 | | | | DSP Operation Indicator:<br>MSB fisrt,<br>Bit[00] = 1: Comm Run error (checksum/not found/read).(N/A to RUN).<br>Bit[01] = 1: Programmable Setting error (checksum/not found/read).<br>Bit[02] = 1: Not defined<br>Bit[03] = 1: Not defined<br>Bit[04] = 1: Not defined<br>Bit[05] = 1: Data transfer queue overflow<br>Bit[06] = 1: Not defined<br>Bit[07] = 1: Missed watchdog kick, real time break<br>Bit[08] = 1: FRAM initialization failed.<br>Bit[09] = 1: Error detected, LSB is not zero.<br>Bit[10] = 1: Not defined<br>Bit[11] = 1: Not defined<br>Bit[12] = 1: Not defined<br>Bit[13] = 1: Not defined<br>Bit[14] = 1: Not defined<br>Bit[15] = 1: Not defined | | | | R/W | Ch.5 |

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|---|---|---|---|---|---|---|---|---|---|---|
| FF88H | 65417 | | | | Reserved | | | | | |
| FF89H | 65418 | | | | Reserved | | | | | |
| FF8AH | 65419 | | | | Reserved | | | | | |
| FF8BH | 65420 | | | | Reserved | | | | | |
| FF8CH | 65421 | | | | Reserved | | | | | |
| FFB0H-FFBFH | 65457-65472 | | | | Meter Reserved | | | | | |
| FFC0H-FFDEH | 65473-65503 | | | | Reserved | | | | | |
| FFDFH | 65504 | | | | app restart after profile update, write 0x0001 | | | | W | |
| | Update Information Block | | | | | | | | | |
| FFE0H | 65505 | | | | Update status | | | | | |
| FFE1H | 65506 | | | | Update error code | | | | | |
| FFE2H-FFE5H | 65507-65510 | | | | file data time | | | | | |
| FFE6H | 65511 | | | | file checksum | | | | | |
| | Meter Restart | | | | | | | | | |
| FFFAH | 65531 | | | | Complete Meter Restart Command - write 0x0001 | | | | W | |
| FFFBH | 65532 | | | | Reserved | | | | | |
| | Meter Serial Number | | | | | | | | | |
| FFFCH-FFFFH | 65533-65536 | | | | Meter Serial Number | 9,999,999,999,999,999 / 0 | 1 | F11 | R | 16-digit Packed BCD |

## 2.3 Modbus Input Registers

| Addr. (hex) | Address(3X) | Line | Pt | DNP Obj | Description | Range | Units | Type | R/W | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| Symmetrical Component @3sec, 10min, 2hour<br>P-N channels are available in WYE type hookups<br>P-P channels are available in Delta type hookups | | | | | | | | | | |
| 85F0H-85F3H | 34289-34292 | 10304 | 0 | | 3 sec Update RTC Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 85F4H-85F5H | 34293-34294 | 10305 | 0 | | 3 sec Symm Comp Mag (Voltage PN) - Zero Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 85F6H-85F7H | 34295-34296 | 10305 | 1 | | 3 sec Symm Comp Mag (Voltage PN) - Pos Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 85F8H-85F9H | 34297-34298 | 10305 | 2 | | 3 sec Symm Comp Mag (Voltage PN) - Neg Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 85FAH-85FBH | 34299-34300 | 10306 | 0 | | 10 min Symm Comp Mag (Voltage PN) Zero Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 85FCH-85FDH | 34301-34302 | 10306 | 1 | | 10 min Symm Comp Mag (Voltage PN) Pos Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 85FEH-85FFH | 34303-34304 | 10306 | 2 | | 10 min Symm Comp Mag (Voltage PN) Neg Sequence | -32768/+32767.999 | Volts | F73 | R | |
| 8600H | 34305 | 10307 | 0 | | 3 sec Symm Comp Phase (Voltage PN) - Zero Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8601H | 34306 | 10307 | 1 | | 3 sec Symm Comp Phase (Voltage PN) - Pos Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8602H | 34307 | 10307 | 2 | | 3 sec Symm Comp Phase (Voltage PN) - Neg Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8603H | 34308 | 10308 | 0 | | 10 min Symm Comp Phase (Voltage PN) - Zero Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8604H | 34309 | 10308 | 1 | | 10 min Symm Comp Phase (Voltage PN) - Pos Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8605H | 34310 | 10308 | 2 | | 10 min Symm Comp Phase (Voltage PN) - Neg Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8606H-8607H | 34311-34312 | 10309 | 0 | | 3 sec Symm Comp Mag (Current PN) - Zero Sequence | -32768/+32767.999 | Amp | F73 | R | |
| 8608H-8609H | 34313-34314 | 10309 | 1 | | 3 sec Symm Comp Mag (Current PN) - Pos Sequence | -32768/+32767.999 | Amp | F73 | R | |
| 860AH-860BH | 34315-34316 | 10309 | 2 | | 3 sec Symm Comp Mag (Current PN) - Neg Sequence | -32768/+32767.999 | Amp | F73 | R | |
| 860CH-860DH | 34317-34318 | 10310 | 0 | | 10 min Symm Comp Mag (Current PN) - Zero Sequence | -32768/+32767.999 | Amp | F73 | R | |
| 860EH-860FH | 34319-34320 | 10310 | 1 | | 10 min Symm Comp Mag (Current PN) - Pos Sequence | -32768/+32767.999 | Amp | F73 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8610H-8611H | 34321-34322 | 10310 | 2 | | 10 min Symm Comp Mag (Current PN) - Neg Sequence | -32768/+32767.999 | Amp | F73 | R | |
| 8612H | 34323 | 10311 | 0 | | 3 sec Symm Comp Phase (Current PN) - Zero Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8613H | 34324 | 10311 | 1 | | 3 sec Symm Comp Phase (Current PN) - Pos Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8614H | 34325 | 10311 | 2 | | 3 sec Symm Comp Phase (Current PN) - Neg Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8615H | 34326 | 10312 | 0 | | 10 min Symm Comp Phase (Current PN) - Zero Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8616H | 34327 | 10312 | 1 | | 10 min Symm Comp Phase (Current PN) - Pos Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8617H | 34328 | 10312 | 2 | | 10 min Symm Comp Phase (Current PN) - Neg Sequence | +180 degree / -180 degree | 0.01 degree | F9 | R | |
| 8618H-8619H | 34329-34330 | 10313 | 0 | | 3 sec Symm Comp Ratio (Current PN) - Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 861AH-861BH | 34331-34332 | 10313 | 1 | | 3 sec Symm Comp Ratio (Current PN) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 861CH-861DH | 34333-34334 | 10313 | 2 | | 3 sec Symm Comp Ratio (Current PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 861EH-861FH | 34335-34336 | 10314 | 0 | | 10 min Symm Comp Ratio (Current PN) - Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8620H-8621H | 34337-34338 | 10314 | 1 | | 10 min Symm Comp Ratio (Current PN) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8622H-8623H | 34339-34340 | 10314 | 2 | | 10 min Symm Comp Ratio (Current PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8624H-8625H | 34341-34342 | 10315 | 0 | | 2 hour Symm Comp Ratio (Current PN) Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8626H-8627H | 34343-34344 | 10315 | 1 | | 2 hour Symm Comp Ratio (Current PN) Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8628H-8629H | 34345-34346 | 10315 | 2 | | 2 hour Symm Comp Ratio (Current PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 862AH | 34347 | | | | 3 sec Uunbalance Counter | 0/+65535 | 1 | F51 | R | |
| 862BH | 34348 | | | | 10 min Uunbalance Counter | 0/+65536 | 1 | F51 | R | |
| 862CH | 34349 | | | | 2 hour Uunbalance Counter | 0/+65537 | 1 | F51 | R | |
| 862DH | 34350 | | | | Reserved | | | | | |
| 862EH-862FH | 34351-34352 | 10316 | 0 | | 3 sec Symm Comp Ratio (Voltage PN) - Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8630H-8631H | 34353-34354 | 10316 | 1 | | 3 sec Symm Comp Ratio (Voltage PN) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8632H-8633H | 34355-34356 | 10316 | 2 | | 3 sec Symm Comp Ratio (Voltage PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8634H-8635H | 34357-34358 | 10317 | 0 | | 10 min Symm Comp Ratio (Voltage PN) - Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8636H-8637H | 34359-34360 | 10317 | 1 | | 10 min Symm Comp Ratio (Voltage PN) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 8638H-8639H | 34361-34362 | 10317 | 2 | | 10 min Symm Comp Ratio (Voltage PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 863AH-863BH | 34363-34364 | 10318 | 0 | | 2 hour Symm Comp Ratio (Voltage PN) - Zero Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 863CH-863DH | 34365-34366 | 10318 | 1 | | 2 hour Symm Comp Ratio (Voltage PN) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |
| 863EH-863FH | 34367-34368 | 10318 | 2 | | 2 hour Symm Comp Ratio (Voltage PP) - Neg Sequence | 0/65535.9999 | 1/65536 | F79 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8640H-86EBH | 34369-34540 | | | | Reserved | | | | | |
| 86ECH-86EFH | 34541-34544 | | | | Reserved | | | | | |
| 86F0H-86FFH | 34545-34560 | | | | Reserved | | | | | |
| Short Term Maximum/Minimum/Average block | | | | | | | | | | |
| 8B40H-8B43H | 35649-35652 | 10378 | 0 | | Short Term Maximum/Minimum Timestamp | 12/31/9999 23:59:59.99 | 10 msec | F3 | R | |
| 8B44H-8B45H | 35653-35654 | 10379 | 0 | | Short Term Maximum RMS Phase A-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B46H-8B47H | 35655-35656 | 10379 | 1 | | Short Term Maximum RMS Phase B-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B48H-8B49H | 35657-35658 | 10379 | 2 | | Short Term Maximum RMS Phase C-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B4AH-8B4BH | 35659-35660 | 10379 | 3 | | Short Term Maximum RMS Phase A-B Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B4CH-8B4DH | 35661-35662 | 10379 | 4 | | Short Term Maximum RMS Phase B-C Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B4EH-8B4FH | 35663-35664 | 10379 | 5 | | Short Term Maximum RMS Phase C-A Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B50H-8B51H | 35665-35666 | 10379 | 6 | | Short Term Maximum RMS Phase X-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B52H-8B53H | 35667-35668 | 10379 | 7 | | Voltage (NA) | 35 | Volts | F79 | R | |
| 8B54H-8B55H | 35669-35670 | 10379 | 8 | | Short Term Maximum RMS Phase B-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B56H-8B57H | 35671-35672 | 10379 | 9 | | Short Term Maximum RMS Phase C-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B58H-8B59H | 35673-35674 | 10379 | 10 | | Short Term Maximum RMS Phase X-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B5AH-8B5BH | 35675-35676 | 10379 | 11 | | Short Term Maximum RMS Phase N-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B5CH-8B5DH | 35677-35678 | 10379 | 12 | | Short Term Minimum RMS Phase A-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B5EH-8B5FH | 35679-35680 | 10379 | 13 | | Short Term Minimum RMS Phase B-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B60H-8B61H | 35681-35682 | 10379 | 14 | | Short Term Minimum RMS Phase C-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B62H-8B63H | 35683-35684 | 10379 | 15 | | Short Term Minimum RMS Phase A-B Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B64H-8B65H | 35685-35686 | 10379 | 16 | | Short Term Minimum RMS Phase B-C Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B66H-8B67H | 35687-35688 | 10379 | 17 | | Short Term Minimum RMS Phase C-A Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B68H-8B69H | 35689-35690 | 10379 | 18 | | Short Term Minimum RMS Phase X-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |
| 8B6AH-8B6BH | 35691-35692 | 10379 | 19 | | Short Term Minimum RMS Phase A-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B6CH-8B6DH | 35693-35694 | 10379 | 20 | | Short Term Minimum RMS Phase B-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B6EH-8B6FH | 35695-35696 | 10379 | 21 | | Short Term Minimum RMS Phase C-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B70H-8B71H | 35697-35698 | 10379 | 22 | | Short Term Minimum RMS Phase X-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B72H-8B73H | 35699-35700 | 10379 | 23 | | Short Term Minimum RMS Phase N-E Voltage (NA) | 0/+65535.655 35 | Volts | F79 | R | |
| 8B74H-8B75H | 35701-35702 | 10379 | 24 | | Short Term Average RMS Phase A-N Voltage | 0/+65535.655 35 | Volts | F79 | R | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 8B76H-8B77H | 35703-35704 | 10379 | 25 | | Short Term Average RMS Phase B-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B78H-8B79H | 35705-35706 | 10379 | 26 | | Short Term Average RMS Phase C-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B7AH-8B7BH | 35707-35708 | 10379 | 27 | | Voltage | 35 | Volts | F79 | R | |
| 8B7CH-8B7DH | 35709-35710 | 10379 | 28 | | Short Term Average RMS Phase B-C Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B7EH-8B7FH | 35711-35712 | 10379 | 29 | | Short Term Average RMS Phase C-A Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B80H-8B81H | 35713-35714 | 10379 | 30 | | Short Term Average RMS Phase X-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B82H-8B83H | 35715-35716 | 10379 | 31 | | Short Term Average RMS Phase A-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B84H-8B85H | 35717-35718 | 10379 | 32 | | Short Term Average RMS Phase B-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B86H-8B87H | 35719-35720 | 10379 | 33 | | Short Term Average RMS Phase C-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B88H-8B89H | 35721-35722 | 10379 | 34 | | Short Term Average RMS Phase X-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B8AH-8B8BH | 35723-35724 | 10379 | 35 | | Short Term Average RMS Phase N-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B8CH-8B8DH | 35725-35726 | | | | Short Term Instantaneous Maximum RMS Phase A-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B8EH-8B8FH | 35727-35728 | | | | Short Term Instantaneous Maximum RMS Phase B-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B90H-8B91H | 35729-35730 | | | | Short Term Instantaneous Maximum RMS Phase C-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B92H-8B93H | 35731-35732 | | | | Short Term Instantaneous Maximum RMS Phase A-B Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B94H-8B95H | 35733-35734 | | | | Short Term Instantaneous Maximum RMS Phase B-C Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B96H-8B97H | 35735-35736 | | | | Short Term Instantaneous Maximum RMS Phase C-A Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B98H-8B99H | 35737-35738 | | | | Short Term Instantaneous Maximum RMS Phase X-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8B9AH-8B9BH | 35739-35740 | | | | Short Term Instantaneous Maximum RMS Phase A-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B9CH-8B9DH | 35741-35742 | | | | Short Term Instantaneous Maximum RMS Phase B-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8B9EH-8B9FH | 35743-35744 | | | | Short Term Instantaneous Maximum RMS Phase C-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BA0H-8BA1H | 35745-35746 | | | | Short Term Instantaneous Maximum RMS Phase X-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BA2H-8BA3H | 35747-35748 | | | | Short Term Instantaneous Maximum RMS Phase N-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BA4H-8BA5H | 35749-35750 | | | | Short Term Instantaneous Minimum RMS Phase A-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BA6H-8BA7H | 35751-35752 | | | | Short Term Instantaneous Minimum RMS Phase B-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BA8H-8BA9H | 35753-35754 | | | | Short Term Instantaneous Minimum RMS Phase C-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BAAH-8BABH | 35755-35756 | | | | Short Term Instantaneous Minimum RMS Phase A-B Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BACH-8BADH | 35757-35758 | | | | Short Term Instantaneous Minimum RMS Phase B-C Voltage | 0/+65535.65535 | Volts | F79 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8BAEH-8BAFH | 35759-35760 | | | | Short Term Instantaneous Minimum RMS Phase C-A Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BB0H-8BB1H | 35761-35762 | | | | Short Term Instantaneous Minimum RMS Phase X-N Voltage | 0/+65535.65535 | Volts | F79 | R | |
| 8BB2H-8BB3H | 35763-35764 | | | | Short Term Instantaneous Minimum RMS Phase A-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BB4H-8BB5H | 35765-35766 | | | | Short Term Instantaneous Minimum RMS Phase B-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BB6H-8BB7H | 35767-35768 | | | | Short Term Instantaneous Minimum RMS Phase C-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BB8H-8BB9H | 35769-35770 | | | | Short Term Instantaneous Minimum RMS Phase X-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BBAH-8BBBH | 35771-35772 | | | | Short Term Instantaneous Minimum RMS Phase N-E Voltage (NA) | 0/+65535.65535 | Volts | F79 | R | |
| 8BBCH-8BBDH | 35773-35774 | | | | Short Term Instantaneous Maximum RMS Phase A Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BBEH-8BBFH | 35775-35776 | | | | Short Term Instantaneous Maximum RMS Phase B Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BC0H-8BC1H | 35777-35778 | | | | Short Term Instantaneous Maximum RMS Phase C Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BC2H-8BC3H | 35779-35780 | | | | Short Term Instantaneous Maximum RMS Phase N Current Measured | 0/+65535.65535 | Amps | F79 | R | |
| 8BC4H-8BC5H | 35781-35782 | | | | Short Term Instantaneous Maximum RMS Phase N Current Calculated | 0/+65535.65535 | Amps | F79 | R | |
| 8BC6H-8BC7H | 35783-35784 | | | | Short Term Instantaneous Maximum RMS Mean of 3 Phase L-N Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BC8H-8BC9H | 35785-35786 | | | | Short Term Instantaneous Maximum RMS Mean of 3 Phase L-L Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BCAH-8BCBH | 35787-35788 | | | | Short Term Instantaneous Maximum RMS Mean of 3 Phase Currents | 0/+65535.65535 | Amps | F79 | R | |
| 8BCCH-8BCDH | 35789-35790 | | | | Short Term Instantaneous Minimum RMS Phase A Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BCEH-8BCFH | 35791-35792 | | | | Short Term Instantaneous Minimum RMS Phase B Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BD0H-8BD1H | 35793-35794 | | | | Short Term Instantaneous Minimum RMS Phase C Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BD2H-8BD3H | 35795-35796 | | | | Short Term Instantaneous Minimum RMS Phase N Current Measured | 0/+65535.65535 | Amps | F79 | R | |
| 8BD4H-8BD5H | 35797-35798 | | | | Short Term Instantaneous Minimum RMS Phase N Current Calculated | 0/+65535.65535 | Amps | F79 | R | |
| 8BD6H-8BD7H | 35799-35800 | | | | Short Term Instantaneous Minimum RMS Mean of 3 Phase L-N Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BD8H-8BD9H | 35801-35802 | | | | Short Term Instantaneous Minimum RMS Mean of 3 Phase L-L Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BDAH-8BDBH | 35803-35804 | | | | Short Term Instantaneous Minimum RMS Mean of 3 Phase Currents | 0/+65535.65535 | Amps | F79 | R | |
| 8BDCH-8BDDH | 35805-35806 | 14250 | 0 | | Short Term Maximum RMS Phase A Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BDEH-8BDFH | 35807-35808 | 14250 | 1 | | Short Term Maximum RMS Phase B Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BE0H-8BE1H | 35809-35810 | 14250 | 2 | | Short Term Maximum RMS Phase C Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BE2H-8BE3H | 35811-35812 | 14250 | 3 | | Short Term Maximum RMS Phase N Current Measured | 0/+65535.65535 | Amps | F79 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 8BE4H-8BE5H | 35813-35814 | 14250 | 4 | | Short Term Maximum RMS Phase N Current Calculated | 0/+65535.65535 | Amps | F79 | R | |
| 8BE6H-8BE7H | 35815-35816 | 10379 | 36 | | Short Term Maximum RMS Mean of 3 Phase L-N Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BE8H-8BE9H | 35817-35818 | 10379 | 37 | | Short Term Maximum RMS Mean of 3 Phase L-L Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BEAH-8BEBH | 35819-35820 | 14250 | 5 | | Short Term Maximum RMS Mean of 3 Phase Currents | 0/+65535.65535 | Amps | F79 | R | |
| 8BECH-8BEDH | 35821-35822 | 14250 | 6 | | Short Term Minimum RMS Phase A Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BEEH-8BEFH | 35823-35824 | 14250 | 7 | | Short Term Minimum RMS Phase B Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BF0H-8BF1H | 35825-35826 | 14250 | 8 | | Short Term Minimum RMS Phase C Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BF2H-8BF3H | 35827-35828 | 14250 | 9 | | Short Term Minimum RMS Phase N Current Measured | 0/+65535.65535 | Amps | F79 | R | |
| 8BF4H-8BF5H | 35829-35830 | 14250 | 10 | | Short Term Minimum RMS Phase N Current Calculated | 0/+65535.65535 | Amps | F79 | R | |
| 8BF6H-8BF7H | 35831-35832 | 10379 | 38 | | Short Term Minimum RMS Mean of 3 Phase L-N Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BF8H-8BF9H | 35833-35834 | 10379 | 39 | | Short Term Minimum RMS Mean of 3 Phase L-L Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8BFAH-8BFBH | 35835-35836 | 14250 | 11 | | Short Term Minimum RMS Mean of 3 Phase Currents | 0/+65535.65535 | Amps | F79 | R | |
| 8BFCH-8BFDH | 35837-35838 | 14250 | 12 | | Short Term Average RMS Phase A Current | 0/+65535.65535 | Amps | F79 | R | |
| 8BFEH-8BFFH | 35839-35840 | 14250 | 13 | | Short Term Average RMS Phase B Current | 0/+65535.65535 | Amps | F79 | R | |
| 8C00H-8C01H | 35841-35842 | 14250 | 14 | | Short Term Average RMS Phase C Current | 0/+65535.65535 | Amps | F79 | R | |
| 8C02H-8C03H | 35843-35844 | 14250 | 15 | | Short Term Average RMS Phase N Current Measured | 0/+65535.65535 | Amps | F79 | R | |
| 8C04H-8C05H | 35845-35846 | 14250 | 16 | | Short Term Average RMS Phase N Current Calculated | 0/+65535.65535 | Amps | F79 | R | |
| 8C06H-8C07H | 35847-35848 | 10379 | 40 | | Short Term Average RMS Mean of 3 Phase L-N Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8C08H-8C09H | 35849-35850 | 10379 | 41 | | Short Term Average RMS Mean of 3 Phase L-L Voltages | 0/+65535.65535 | Volts | F79 | R | |
| 8C0AH-8C0BH | 35851-35852 | 14250 | 17 | | Short Term Average RMS Mean of 3 Phase Currents | 0/+65535.65535 | Amps | F79 | R | |
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| TOU Data | | | | | | | | | | |
| D027H | 53288 | 10380 | 0 | | Current Month ID 1=Jan, 12=Dec | | | F51 | R | |
| D028H | 53289 | 10380 | 1 | | Prior Month ID 1=Jan, 12=Dec | | | F51 | R | |
| D029H-D02BH | 53290-53292 | 10381 | 0 | | Last month self-read time | | | F122 | R | |
| D02CH-D02EH | 53293-53295 | 10381 | 1 | | Next month self-read time | | | F122 | R | |
| D02FH | 53296 | 10382 | 0 | | Current Season ID | | | F51 | R | |
| D030H | 53297 | 10382 | 1 | | Prior Season ID | | | F51 | R | |
| D031H-D033H | 53298-53300 | 10383 | 0 | | Last season self-read time | | | F122 | R | |
| D034H-D036H | 53301-53303 | 10383 | 1 | | Next season self-read time | | | F122 | R | |
| | | | | | **Current Month** | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | base=10384, group count=96, groups=15 | | | **Tier 0 is for total**<br>**Current Month Tier 0: Whole month data**<br>**Current Month Tier 1: Whole month data**<br>**Current Month Tier 2: Whole month data**<br>**Current Month Tier 3: Whole month data**<br>**Current Month Tier 4: Whole month data**<br>**Current Month Tier 0: Initial season data**<br>**Current Month Tier 1: Initial season data**<br>**Current Month Tier 2: Initial season data**<br>**Current Month Tier 3: Initial season data**<br>**Current Month Tier 4: Initial season data**<br>**Current Month Tier 0: Final season data**<br>**Current Month Tier 1: Final season data**<br>**Current Month Tier 2: Final season data**<br>**Current Month Tier 3: Final season data**<br>**Current Month Tier 4: Final season data** | | | | | |
| | | | | | Current Month, Whole Month, Tier 0 | | | | | |
| D037-D038 | 53304-53305 | 10384 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D039-D03A | 53306-53307 | 10385 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D03B-D03C | 53308-53309 | 10386 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D03D-D03F | 53310-53312 | 10387 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D041 | 53313 | 10388 | 0 | | Reserved | | | F51 | R | |
| D041-D042 | 53314-53315 | 10389 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D043-D044 | 53316-53317 | 10390 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D045-D046 | 53318-53319 | 10391 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D047-D048 | 53320-53321 | 10392 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D049-D04B | 53322-53324 | 10393 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D04D | 53325 | 10394 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D04D-D04E | 53326-53327 | 10395 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D04F-D050 | 53328-53329 | 10396 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D051-D052 | 53330-53331 | 10397 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D053-D054 | 53332-53333 | 10398 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D055-D057 | 53334-53336 | 10399 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D059 | 53337 | 10400 | 0 | | Reserved | | | F51 | R | |
| D059-D05A | 53338-53339 | 10401 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D05B-D05C | 53340-53341 | 10402 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D05D-D05E | 53342-53343 | 10403 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D05F-D060 | 53344-53345 | 10404 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D061-D063 | 53346-53348 | 10405 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D065 | 53349 | 10406 | 0 | | Reserved | | | F51 | R | |
| D065-D066 | 53350-53351 | 10407 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D067-D068 | 53352-53353 | 10408 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D069-D06A | 53354-53355 | 10409 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D06B-D06C | 53356-53357 | 10410 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D06D-D06F | 53358-53360 | 10411 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D071 | 53361 | 10412 | 0 | | Reserved | | | F51 | R | |
| D071-D072 | 53362-53363 | 10413 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D073-D074 | 53364-53365 | 10414 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D075-D076 | 53366-53367 | 10415 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D077-D078 | 53368-53369 | 10416 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D079-D07B | 53370-53372 | 10417 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D07D | 53373 | 10418 | 0 | | Reserved | | | F51 | R | |
| D07D-D07E | 53374-53375 | 10419 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D07F-D080 | 53376-53377 | 10420 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D081-D082 | 53378-53379 | 10421 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D083-D084 | 53380-53381 | 10422 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D085-D087 | 53382-53384 | 10423 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D089 | 53385 | 10424 | 0 | | Reserved | | | F51 | R | |
| D089-D08A | 53386-53387 | 10425 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D08B-D08C | 53388-53389 | 10426 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D08D-D08E | 53390-53391 | 10427 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D08F-D090 | 53392-53393 | 10428 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D091-D093 | 53394-53396 | 10429 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D095 | 53397 | 10430 | 0 | | Reserved | | | F51 | R | |
| D095-D096 | 53398-53399 | 10431 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D097-D098 | 53400-53401 | 10432 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D099-D09A | 53402-53403 | 10433 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D09B-D09C | 53404-53405 | 10434 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D09D-D09F | 53406-53408 | 10435 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D0A1 | 53409 | 10436 | 0 | | Reserved | | | F51 | R | |
| D0A1-D0A2 | 53410-53411 | 10437 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D0A3-D0A4 | 53412-53413 | 10438 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D0A5-D0A6 | 53414-53415 | 10439 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D0A7-D0A8 | 53416-53417 | 10440 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D0A9-D0AB | 53418-53420 | 10441 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D0AD | 53421 | 10442 | 0 | | Reserved | | | F51 | R | |
| D0AD-D0AE | 53422-53423 | 10443 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D0AF-D0B0 | 53424-53425 | 10444 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D0B1-D0B2 | 53426-53427 | 10445 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D0B3-D0B4 | 53428-53429 | 10446 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D0B5-D0B7 | 53430-53432 | 10447 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D0B9 | 53433 | 10448 | 0 | | Reserved | | | F51 | R | |
| D0B9-D0BA | 53434-53435 | 10449 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D0BB-D0BC | 53436-53437 | 10450 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D0BD-D0BE | 53438-53439 | 10451 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D0BF-D0C0 | 53440-53441 | 10452 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D0C1-D0C3 | 53442-53444 | 10453 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D0C5 | 53445 | 10454 | 0 | | Reserved | | | F51 | R | |
| D0C5-D0C6 | 53446-53447 | 10455 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D0C7-D0C8 | 53448-53449 | 10456 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D0C9-D0CA | 53450-53451 | 10457 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D0CB-D0CC | 53452-53453 | 10458 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D0CD-D0CF | 53454-53456 | 10459 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D0D1 | 53457 | 10460 | 0 | | Reserved | | | F51 | R | |
| D0D1-D0D2 | 53458-53459 | 10461 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D0D3-D0D4 | 53460-53461 | 10462 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D0D5-D0D6 | 53462-53463 | 10463 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D0D7-D0D8 | 53464-53465 | 10464 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D0D9-D0DB | 53466-53468 | 10465 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D0DD | 53469 | 10466 | 0 | | Reserved | | | F51 | R | |
| D0DD-D0DE | 53470-53471 | 10467 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D0DF-D0E0 | 53472-53473 | 10468 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D0E1-D0E2 | 53474-53475 | 10469 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D0E3-D0E4 | 53476-53477 | 10470 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D0E5-D0E7 | 53478-53480 | 10471 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D0E9 | 53481 | 10472 | 0 | | Reserved | | | F51 | R | |
| D0E9-D0EA | 53482-53483 | 10473 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D0EB-D0EC | 53484-53485 | 10474 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D0ED-D0EE | 53486-53487 | 10475 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D0EF-D0F0 | 53488-53489 | 10476 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D0F1-D0F3 | 53490-53492 | 10477 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D0F5 | 53493 | 10478 | 0 | | Reserved | | | F51 | R | |
| D0F5-D0F6 | 53494-53495 | 10479 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Month, Whole Month, Tier 1 | | | | | |
| D0F7-D0F8 | 53496-53497 | 10480 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D0F9-D0FA | 53498-53499 | 10481 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D0FB-D0FC | 53500-53501 | 10482 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D0FD-D0FF | 53502-53504 | 10483 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D101 | 53505 | 10484 | 0 | | Reserved | | | F51 | R | |
| D101-D102 | 53506-53507 | 10485 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D103-D104 | 53508-53509 | 10486 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D105-D106 | 53510-53511 | 10487 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D107-D108 | 53512-53513 | 10488 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D109-D10B | 53514-53516 | 10489 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D10D | 53517 | 10490 | 0 | | Reserved | | | F51 | R | |
| D10D-D10E | 53518-53519 | 10491 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D10F-D110 | 53520-53521 | 10492 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D111-D112 | 53522-53523 | 10493 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D113-D114 | 53524-53525 | 10494 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D115-D117 | 53526-53528 | 10495 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D119 | 53529 | 10496 | 0 | | Reserved | | | F51 | R | |
| D119-D11A | 53530-53531 | 10497 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D11B-D11C | 53532-53533 | 10498 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D11D-D11E | 53534-53535 | 10499 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D11F-D120 | 53536-53537 | 10500 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D121-D123 | 53538-53540 | 10501 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D125 | 53541 | 10502 | 0 | | Reserved | | | F51 | R | |
| D125-D126 | 53542-53543 | 10503 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D127-D128 | 53544-53545 | 10504 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D129-D12A | 53546-53547 | 10505 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D12B-D12C | 53548-53549 | 10506 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D12D-D12F | 53550-53552 | 10507 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D131 | 53553 | 10508 | 0 | | Reserved | | | F51 | R | |
| D131-D132 | 53554-53555 | 10509 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D133-D134 | 53556-53557 | 10510 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D135-D136 | 53558-53559 | 10511 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D137-D138 | 53560-53561 | 10512 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D139-D13B | 53562-53564 | 10513 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D13D | 53565 | 10514 | 0 | | Reserved | | | F51 | R | |
| D13D-D13E | 53566-53567 | 10515 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D13F-D140 | 53568-53569 | 10516 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D141-D142 | 53570-53571 | 10517 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D143-D144 | 53572-53573 | 10518 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D145-D147 | 53574-53576 | 10519 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D149 | 53577 | 10520 | 0 | | Reserved | | | F51 | R | |
| D149-D14A | 53578-53579 | 10521 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D14B-D14C | 53580-53581 | 10522 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D14D-D14E | 53582-53583 | 10523 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D14F-D150 | 53584-53585 | 10524 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D151-D153 | 53586-53588 | 10525 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D155 | 53589 | 10526 | 0 | | Reserved | | | F51 | R | |
| D155-D156 | 53590-53591 | 10527 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D157-D158 | 53592-53593 | 10528 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D159-D15A | 53594-53595 | 10529 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D15B-D15C | 53596-53597 | 10530 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D15D-D15F | 53598-53600 | 10531 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D161 | 53601 | 10532 | 0 | | Reserved | | | F51 | R | |
| D161-D162 | 53602-53603 | 10533 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D163-D164 | 53604-53605 | 10534 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D165-D166 | 53606-53607 | 10535 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D167-D168 | 53608-53609 | 10536 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D169-D16B | 53610-53612 | 10537 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D16D | 53613 | 10538 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D16D-D16E | 53614-53615 | 10539 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D16F-D170 | 53616-53617 | 10540 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D171-D172 | 53618-53619 | 10541 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D173-D174 | 53620-53621 | 10542 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D175-D177 | 53622-53624 | 10543 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D179 | 53625 | 10544 | 0 | | Reserved | | | F51 | R | |
| D179-D17A | 53626-53627 | 10545 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D17B-D17C | 53628-53629 | 10546 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D17D-D17E | 53630-53631 | 10547 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D17F-D180 | 53632-53633 | 10548 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D181-D183 | 53634-53636 | 10549 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D185 | 53637 | 10550 | 0 | | Reserved | | | F51 | R | |
| D185-D186 | 53638-53639 | 10551 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D187-D188 | 53640-53641 | 10552 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D189-D18A | 53642-53643 | 10553 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D18B-D18C | 53644-53645 | 10554 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D18D-D18F | 53646-53648 | 10555 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D191 | 53649 | 10556 | 0 | | Reserved | | | F51 | R | |
| D191-D192 | 53650-53651 | 10557 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D193-D194 | 53652-53653 | 10558 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D195-D196 | 53654-53655 | 10559 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D197-D198 | 53656-53657 | 10560 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D199-D19B | 53658-53660 | 10561 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D19D | 53661 | 10562 | 0 | | Reserved | | | F51 | R | |
| D19D-D19E | 53662-53663 | 10563 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D19F-D1A0 | 53664-53665 | 10564 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D1A1-D1A2 | 53666-53667 | 10565 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D1A3-D1A4 | 53668-53669 | 10566 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D1A5-D1A7 | 53670-53672 | 10567 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D1A9 | 53673 | 10568 | 0 | | Reserved | | | F51 | R | |
| D1A9-D1AA | 53674-53675 | 10569 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D1AB-D1AC | 53676-53677 | 10570 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D1AD-D1AE | 53678-53679 | 10571 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D1AF-D1B0 | 53680-53681 | 10572 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D1B1-D1B3 | 53682-53684 | 10573 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D1B5 | 53685 | 10574 | 0 | | Reserved | | | F51 | R | |
| D1B5-D1B6 | 53686-53687 | 10575 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Whole Month, Tier 2 | | | | | |
| D1B7-D1B8 | 53688-53689 | 10576 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D1B9-D1BA | 53690-53691 | 10577 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D1BB-D1BC | 53692-53693 | 10578 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D1BD-D1BF | 53694-53696 | 10579 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D1C1 | 53697 | 10580 | 0 | | Reserved | | | F51 | R | |
| D1C1-D1C2 | 53698-53699 | 10581 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D1C3-D1C4 | 53700-53701 | 10582 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D1C5-D1C6 | 53702-53703 | 10583 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D1C7-D1C8 | 53704-53705 | 10584 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D1C9-D1CB | 53706-53708 | 10585 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D1CD | 53709 | 10586 | 0 | | Reserved | | | F51 | R | |
| D1CD-D1CE | 53710-53711 | 10587 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D1CF-D1D0 | 53712-53713 | 10588 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D1D1-D1D2 | 53714-53715 | 10589 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D1D3-D1D4 | 53716-53717 | 10590 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D1D5-D1D7 | 53718-53720 | 10591 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D1D9 | 53721 | 10592 | 0 | | Reserved | | | F51 | R | |
| D1D9-D1DA | 53722-53723 | 10593 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D1DB-D1DC | 53724-53725 | 10594 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D1DD-D1DE | 53726-53727 | 10595 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D1DF-D1E0 | 53728-53729 | 10596 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D1E1-D1E3 | 53730-53732 | 10597 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D1E5 | 53733 | 10598 | 0 | | Reserved | | | F51 | R | |
| D1E5-D1E6 | 53734-53735 | 10599 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D1E7-D1E8 | 53736-53737 | 10600 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D1E9-D1EA | 53738-53739 | 10601 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D1EB-D1EC | 53740-53741 | 10602 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D1ED-D1EF | 53742-53744 | 10603 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D1F1 | 53745 | 10604 | 0 | | Reserved | | | F51 | R | |
| D1F1-D1F2 | 53746-53747 | 10605 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D1F3-D1F4 | 53748-53749 | 10606 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D1F5-D1F6 | 53750-53751 | 10607 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D1F7-D1F8 | 53752-53753 | 10608 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D1F9-D1FB | 53754-53756 | 10609 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D1FD | 53757 | 10610 | 0 | | Reserved | | | F51 | R | |
| D1FD-D1FE | 53758-53759 | 10611 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D1FF-D200 | 53760-53761 | 10612 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D201-D202 | 53762-53763 | 10613 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D203-D204 | 53764-53765 | 10614 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D205-D207 | 53766-53768 | 10615 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D209 | 53769 | 10616 | 0 | | Reserved | | | F51 | R | |
| D209-D20A | 53770-53771 | 10617 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D20B-D20C | 53772-53773 | 10618 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D20D-D20E | 53774-53775 | 10619 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D20F-D210 | 53776-53777 | 10620 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D211-D213 | 53778-53780 | 10621 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D215 | 53781 | 10622 | 0 | | Reserved | | | F51 | R | |
| D215-D216 | 53782-53783 | 10623 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D217-D218 | 53784-53785 | 10624 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D219-D21A | 53786-53787 | 10625 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D21B-D21C | 53788-53789 | 10626 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D21D-D21F | 53790-53792 | 10627 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D221 | 53793 | 10628 | 0 | | Reserved | | | F51 | R | |
| D221-D222 | 53794-53795 | 10629 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D223-D224 | 53796-53797 | 10630 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D225-D226 | 53798-53799 | 10631 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D227-D228 | 53800-53801 | 10632 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D229-D22B | 53802-53804 | 10633 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D22D | 53805 | 10634 | 0 | | Reserved | | | F51 | R | |
| D22D-D22E | 53806-53807 | 10635 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D22F-D230 | 53808-53809 | 10636 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D231-D232 | 53810-53811 | 10637 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D233-D234 | 53812-53813 | 10638 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D235-D237 | 53814-53816 | 10639 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D239 | 53817 | 10640 | 0 | | Reserved | | | F51 | R | |
| D239-D23A | 53818-53819 | 10641 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D23B-D23C | 53820-53821 | 10642 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D23D-D23E | 53822-53823 | 10643 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D23F-D240 | 53824-53825 | 10644 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D241-D243 | 53826-53828 | 10645 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D245 | 53829 | 10646 | 0 | | Reserved | | | F51 | R | |
| D245-D246 | 53830-53831 | 10647 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D247-D248 | 53832-53833 | 10648 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D249-D24A | 53834-53835 | 10649 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D24B-D24C | 53836-53837 | 10650 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D24D-D24F | 53838-53840 | 10651 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D251 | 53841 | 10652 | 0 | | Reserved | | | F51 | R | |
| D251-D252 | 53842-53843 | 10653 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D253-D254 | 53844-53845 | 10654 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D255-D256 | 53846-53847 | 10655 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D257-D258 | 53848-53849 | 10656 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D259-D25B | 53850-53852 | 10657 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D25D | 53853 | 10658 | 0 | | Reserved | | | F51 | R | |
| D25D-D25E | 53854-53855 | 10659 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D25F-D260 | 53856-53857 | 10660 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D261-D262 | 53858-53859 | 10661 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D263-D264 | 53860-53861 | 10662 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D265-D267 | 53862-53864 | 10663 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D269 | 53865 | 10664 | 0 | | Reserved | | | F51 | R | |
| D269-D26A | 53866-53867 | 10665 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D26B-D26C | 53868-53869 | 10666 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D26D-D26E | 53870-53871 | 10667 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D26F-D270 | 53872-53873 | 10668 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D271-D273 | 53874-53876 | 10669 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D275 | 53877 | 10670 | 0 | | Reserved | | | F51 | R | |
| D275-D276 | 53878-53879 | 10671 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| D277-D278 | 53880-53881 | 10672 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D279-D27A | 53882-53883 | 10673 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D27B-D27C | 53884-53885 | 10674 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D27D-D27F | 53886-53888 | 10675 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D281 | 53889 | 10676 | 0 | | Reserved | | | F51 | R | |
| D281-D282 | 53890-53891 | 10677 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D283-D284 | 53892-53893 | 10678 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D285-D286 | 53894-53895 | 10679 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D287-D288 | 53896-53897 | 10680 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D289-D28B | 53898-53900 | 10681 | 0 | | | | | F122 | R | |
| D28D | 53901 | 10682 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D28D-D28E | 53902-53903 | 10683 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D28F-D290 | 53904-53905 | 10684 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D291-D292 | 53906-53907 | 10685 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D293-D294 | 53908-53909 | 10686 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D295-D297 | 53910-53912 | 10687 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D299 | 53913 | 10688 | 0 | | Reserved | | | F51 | R | |
| D299-D29A | 53914-53915 | 10689 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D29B-D29C | 53916-53917 | 10690 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D29D-D29E | 53918-53919 | 10691 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D29F-D2A0 | 53920-53921 | 10692 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D2A1-D2A3 | 53922-53924 | 10693 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D2A5 | 53925 | 10694 | 0 | | Reserved | | | F51 | R | |
| D2A5-D2A6 | 53926-53927 | 10695 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D2A7-D2A8 | 53928-53929 | 10696 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D2A9-D2AA | 53930-53931 | 10697 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D2AB-D2AC | 53932-53933 | 10698 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D2AD-D2AF | 53934-53936 | 10699 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D2B1 | 53937 | 10700 | 0 | | Reserved | | | F51 | R | |
| D2B1-D2B2 | 53938-53939 | 10701 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D2B3-D2B4 | 53940-53941 | 10702 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D2B5-D2B6 | 53942-53943 | 10703 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D2B7-D2B8 | 53944-53945 | 10704 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D2B9-D2BB | 53946-53948 | 10705 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D2BD | 53949 | 10706 | 0 | | Reserved | | | F51 | R | |
| D2BD-D2BE | 53950-53951 | 10707 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D2BF-D2C0 | 53952-53953 | 10708 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D2C1-D2C2 | 53954-53955 | 10709 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D2C3-D2C4 | 53956-53957 | 10710 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D2C5-D2C7 | 53958-53960 | 10711 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D2C9 | 53961 | 10712 | 0 | | Reserved | | | F51 | R | |
| D2C9-D2CA | 53962-53963 | 10713 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D2CB-D2CC | 53964-53965 | 10714 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D2CD-D2CE | 53966-53967 | 10715 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D2CF-D2D0 | 53968-53969 | 10716 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D2D1-D2D3 | 53970-53972 | 10717 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D2D5 | 53973 | 10718 | 0 | | Reserved | | | F51 | R | |
| D2D5-D2D6 | 53974-53975 | 10719 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D2D7-D2D8 | 53976-53977 | 10720 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D2D9-D2DA | 53978-53979 | 10721 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D2DB-D2DC | 53980-53981 | 10722 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D2DD-D2DF | 53982-53984 | 10723 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D2E1 | 53985 | 10724 | 0 | | Reserved | | | F51 | R | |
| D2E1-D2E2 | 53986-53987 | 10725 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D2E3-D2E4 | 53988-53989 | 10726 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D2E5-D2E6 | 53990-53991 | 10727 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D2E7-D2E8 | 53992-53993 | 10728 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D2E9-D2EB | 53994-53996 | 10729 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D2ED | 53997 | 10730 | 0 | | Reserved | | | F51 | R | |
| D2ED-D2EE | 53998-53999 | 10731 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D2EF-D2F0 | 54000-54001 | 10732 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D2F1-D2F2 | 54002-54003 | 10733 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D2F3-D2F4 | 54004-54005 | 10734 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D2F5-D2F7 | 54006-54008 | 10735 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D2F9 | 54009 | 10736 | 0 | | Reserved | | | F51 | R | |
| D2F9-D2FA | 54010-54011 | 10737 | 0 | | Cumulative Demand for Monitored | | | F52 | R | |
| D2FB-D2FC | 54012-54013 | 10738 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D2FD-D2FE | 54014-54015 | 10739 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D2FF-D300 | 54016-54017 | 10740 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D301-D303 | 54018-54020 | 10741 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D305 | 54021 | 10742 | 0 | | Reserved | | | F51 | R | |
| D305-D306 | 54022-54023 | 10743 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D307-D308 | 54024-54025 | 10744 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D309-D30A | 54026-54027 | 10745 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D30B-D30C | 54028-54029 | 10746 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D30D-D30F | 54030-54032 | 10747 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D311 | 54033 | 10748 | 0 | | Reserved | | | F51 | R | |
| D311-D312 | 54034-54035 | 10749 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D313-D314 | 54036-54037 | 10750 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D315-D316 | 54038-54039 | 10751 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D317-D318 | 54040-54041 | 10752 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D319-D31B | 54042-54044 | 10753 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D31D | 54045 | 10754 | 0 | | Reserved | | | F51 | R | |
| D31D-D31E | 54046-54047 | 10755 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D31F-D320 | 54048-54049 | 10756 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D321-D322 | 54050-54051 | 10757 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D323-D324 | 54052-54053 | 10758 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D325-D327 | 54054-54056 | 10759 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D329 | 54057 | 10760 | 0 | | Reserved | | | F51 | R | |
| D329-D32A | 54058-54059 | 10761 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D32B-D32C | 54060-54061 | 10762 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D32D-D32E | 54062-54063 | 10763 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D32F-D330 | 54064-54065 | 10764 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D331-D333 | 54066-54068 | 10765 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D335 | 54069 | 10766 | 0 | | Reserved | | | F51 | R | |
| D335-D336 | 54070-54071 | 10767 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Whole Month, Tier 4 | | | | | |
| D337-D338 | 54072-54073 | 10768 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D339-D33A | 54074-54075 | 10769 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D33B-D33C | 54076-54077 | 10770 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D33D-D33F | 54078-54080 | 10771 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D341 | 54081 | 10772 | 0 | | Reserved | | | F51 | R | |
| D341-D342 | 54082-54083 | 10773 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D343-D344 | 54084-54085 | 10774 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D345-D346 | 54086-54087 | 10775 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D347-D348 | 54088-54089 | 10776 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D349-D34B | 54090-54092 | 10777 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D34D | 54093 | 10778 | 0 | | Reserved | | | F51 | R | |
| D34D-D34E | 54094-54095 | 10779 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D34F-D350 | 54096-54097 | 10780 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D351-D352 | 54098-54099 | 10781 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D353-D354 | 54100-54101 | 10782 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D355-D357 | 54102-54104 | 10783 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D359 | 54105 | 10784 | 0 | | Reserved | | | F51 | R | |
| D359-D35A | 54106-54107 | 10785 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D35B-D35C | 54108-54109 | 10786 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D35D-D35E | 54110-54111 | 10787 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D35F-D360 | 54112-54113 | 10788 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D361-D363 | 54114-54116 | 10789 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D365 | 54117 | 10790 | 0 | | Reserved | | | F51 | R | |
| D365-D366 | 54118-54119 | 10791 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D367-D368 | 54120-54121 | 10792 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D369-D36A | 54122-54123 | 10793 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D36B-D36C | 54124-54125 | 10794 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D36D-D36F | 54126-54128 | 10795 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D371 | 54129 | 10796 | 0 | | Reserved | | | F51 | R | |
| D371-D372 | 54130-54131 | 10797 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D373-D374 | 54132-54133 | 10798 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D375-D376 | 54134-54135 | 10799 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D377-D378 | 54136-54137 | 10800 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D379-D37B | 54138-54140 | 10801 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D37D | 54141 | 10802 | 0 | | Reserved | | | F51 | R | |
| D37D-D37E | 54142-54143 | 10803 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D37F-D380 | 54144-54145 | 10804 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D381-D382 | 54146-54147 | 10805 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D383-D384 | 54148-54149 | 10806 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D385-D387 | 54150-54152 | 10807 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D389 | 54153 | 10808 | 0 | | Reserved | | | F51 | R | |
| D389-D38A | 54154-54155 | 10809 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D38B-D38C | 54156-54157 | 10810 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D38D-D38E | 54158-54159 | 10811 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D38F-D390 | 54160-54161 | 10812 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D391-D393 | 54162-54164 | 10813 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D395 | 54165 | 10814 | 0 | | Reserved | | | F51 | R | |
| D395-D396 | 54166-54167 | 10815 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D397-D398 | 54168-54169 | 10816 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D399-D39A | 54170-54171 | 10817 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D39B-D39C | 54172-54173 | 10818 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D39D-D39F | 54174-54176 | 10819 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D3A1 | 54177 | 10820 | 0 | | Reserved | | | F51 | R | |
| D3A1-D3A2 | 54178-54179 | 10821 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D3A3-D3A4 | 54180-54181 | 10822 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D3A5-D3A6 | 54182-54183 | 10823 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D3A7-D3A8 | 54184-54185 | 10824 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D3A9-D3AB | 54186-54188 | 10825 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D3AD | 54189 | 10826 | 0 | | Reserved | | | F51 | R | |
| D3AD-D3AE | 54190-54191 | 10827 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D3AF-D3B0 | 54192-54193 | 10828 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D3B1-D3B2 | 54194-54195 | 10829 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D3B3-D3B4 | 54196-54197 | 10830 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D3B5-D3B7 | 54198-54200 | 10831 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D3B9 | 54201 | 10832 | 0 | | Reserved | | | F51 | R | |
| D3B9-D3BA | 54202-54203 | 10833 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D3BB-D3BC | 54204-54205 | 10834 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D3BD-D3BE | 54206-54207 | 10835 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D3BF-D3C0 | 54208-54209 | 10836 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D3C1-D3C3 | 54210-54212 | 10837 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D3C5 | 54213 | 10838 | 0 | | Reserved | | | F51 | R | |
| D3C5-D3C6 | 54214-54215 | 10839 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D3C7-D3C8 | 54216-54217 | 10840 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D3C9-D3CA | 54218-54219 | 10841 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D3CB-D3CC | 54220-54221 | 10842 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D3CD-D3CF | 54222-54224 | 10843 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D3D1 | 54225 | 10844 | 0 | | Reserved | | | F51 | R | |
| D3D1-D3D2 | 54226-54227 | 10845 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D3D3-D3D4 | 54228-54229 | 10846 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D3D5-D3D6 | 54230-54231 | 10847 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D3D7-D3D8 | 54232-54233 | 10848 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D3D9-D3DB | 54234-54236 | 10849 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D3DD | 54237 | 10850 | 0 | | Reserved | | | F51 | R | |
| D3DD-D3DE | 54238-54239 | 10851 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D3DF-D3E0 | 54240-54241 | 10852 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D3E1-D3E2 | 54242-54243 | 10853 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D3E3-D3E4 | 54244-54245 | 10854 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D3E5-D3E7 | 54246-54248 | 10855 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D3E9 | 54249 | 10856 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D3E9-D3EA | 54250-54251 | 10857 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D3EB-D3EC | 54252-54253 | 10858 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D3ED-D3EE | 54254-54255 | 10859 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D3EF-D3F0 | 54256-54257 | 10860 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D3F1-D3F3 | 54258-54260 | 10861 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D3F5 | 54261 | 10862 | 0 | | Reserved | | | F51 | R | |
| D3F5-D3F6 | 54262-54263 | 10863 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Month, Initial Season, Tier 0 | | | | | |
| D3F7-D3F8 | 54264-54265 | 10864 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D3F9-D3FA | 54266-54267 | 10865 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D3FB-D3FC | 54268-54269 | 10866 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D3FD-D3FF | 54270-54272 | 10867 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D401 | 54273 | 10868 | 0 | | Reserved | | | F51 | R | |
| D401-D402 | 54274-54275 | 10869 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D403-D404 | 54276-54277 | 10870 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D405-D406 | 54278-54279 | 10871 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D407-D408 | 54280-54281 | 10872 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D409-D40B | 54282-54284 | 10873 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D40D | 54285 | 10874 | 0 | | Reserved | | | F51 | R | |
| D40D-D40E | 54286-54287 | 10875 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D40F-D410 | 54288-54289 | 10876 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D411-D412 | 54290-54291 | 10877 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D413-D414 | 54292-54293 | 10878 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D415-D417 | 54294-54296 | 10879 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D419 | 54297 | 10880 | 0 | | Reserved | | | F51 | R | |
| D419-D41A | 54298-54299 | 10881 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D41B-D41C | 54300-54301 | 10882 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D41D-D41E | 54302-54303 | 10883 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D41F-D420 | 54304-54305 | 10884 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D421-D423 | 54306-54308 | 10885 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D425 | 54309 | 10886 | 0 | | Reserved | | | F51 | R | |
| D425-D426 | 54310-54311 | 10887 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D427-D428 | 54312-54313 | 10888 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D429-D42A | 54314-54315 | 10889 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D42B-D42C | 54316-54317 | 10890 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D42D-D42F | 54318-54320 | 10891 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D431 | 54321 | 10892 | 0 | | Reserved | | | F51 | R | |
| D431-D432 | 54322-54323 | 10893 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D433-D434 | 54324-54325 | 10894 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D435-D436 | 54326-54327 | 10895 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D437-D438 | 54328-54329 | 10896 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D439-D43B | 54330-54332 | 10897 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D43D | 54333 | 10898 | 0 | | Reserved | | | F51 | R | |
| D43D-D43E | 54334-54335 | 10899 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D43F-D440 | 54336-54337 | 10900 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D441-D442 | 54338-54339 | 10901 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D443-D444 | 54340-54341 | 10902 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D445-D447 | 54342-54344 | 10903 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D449 | 54345 | 10904 | 0 | | Reserved | | | F51 | R | |
| D449-D44A | 54346-54347 | 10905 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D44B-D44C | 54348-54349 | 10906 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D44D-D44E | 54350-54351 | 10907 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D44F-D450 | 54352-54353 | 10908 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D451-D453 | 54354-54356 | 10909 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D455 | 54357 | 10910 | 0 | | Reserved | | | F51 | R | |
| D455-D456 | 54358-54359 | 10911 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D457-D458 | 54360-54361 | 10912 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D459-D45A | 54362-54363 | 10913 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D45B-D45C | 54364-54365 | 10914 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D45D-D45F | 54366-54368 | 10915 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D461 | 54369 | 10916 | 0 | | Reserved | | | F51 | R | |
| D461-D462 | 54370-54371 | 10917 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D463-D464 | 54372-54373 | 10918 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D465-D466 | 54374-54375 | 10919 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D467-D468 | 54376-54377 | 10920 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D469-D46B | 54378-54380 | 10921 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D46D | 54381 | 10922 | 0 | | Reserved | | | F51 | R | |
| D46D-D46E | 54382-54383 | 10923 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D46F-D470 | 54384-54385 | 10924 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D471-D472 | 54386-54387 | 10925 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D473-D474 | 54388-54389 | 10926 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D475-D477 | 54390-54392 | 10927 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D479 | 54393 | 10928 | 0 | | Reserved | | | F51 | R | |
| D479-D47A | 54394-54395 | 10929 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D47B-D47C | 54396-54397 | 10930 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D47D-D47E | 54398-54399 | 10931 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D47F-D480 | 54400-54401 | 10932 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D481-D483 | 54402-54404 | 10933 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D485 | 54405 | 10934 | 0 | | Reserved | | | F51 | R | |
| D485-D486 | 54406-54407 | 10935 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D487-D488 | 54408-54409 | 10936 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D489-D48A | 54410-54411 | 10937 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D48B-D48C | 54412-54413 | 10938 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D48D-D48F | 54414-54416 | 10939 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D491 | 54417 | 10940 | 0 | | Reserved | | | F51 | R | |
| D491-D492 | 54418-54419 | 10941 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D493-D494 | 54420-54421 | 10942 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D495-D496 | 54422-54423 | 10943 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D497-D498 | 54424-54425 | 10944 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D499-D49B | 54426-54428 | 10945 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D49D | 54429 | 10946 | 0 | | Reserved | | | F51 | R | |
| D49D-D49E | 54430-54431 | 10947 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D49F-D4A0 | 54432-54433 | 10948 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D4A1-D4A2 | 54434-54435 | 10949 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D4A3-D4A4 | 54436-54437 | 10950 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D4A5-D4A7 | 54438-54440 | 10951 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D4A9 | 54441 | 10952 | 0 | | Reserved | | | F51 | R | |
| D4A9-D4AA | 54442-54443 | 10953 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D4AB-D4AC | 54444-54445 | 10954 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D4AD-D4AE | 54446-54447 | 10955 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D4AF-D4B0 | 54448-54449 | 10956 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D4B1-D4B3 | 54450-54452 | 10957 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D4B5 | 54453 | 10958 | 0 | | Reserved | | | F51 | R | |
| D4B5-D4B6 | 54454-54455 | 10959 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Month, Initial Season, Tier 1 | | | | | |
| D4B7-D4B8 | 54456-54457 | 10960 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D4B9-D4BA | 54458-54459 | 10961 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D4BB-D4BC | 54460-54461 | 10962 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D4BD-D4BF | 54462-54464 | 10963 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D4C1 | 54465 | 10964 | 0 | | Reserved | | | F51 | R | |
| D4C1-D4C2 | 54466-54467 | 10965 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D4C3-D4C4 | 54468-54469 | 10966 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D4C5-D4C6 | 54470-54471 | 10967 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D4C7-D4C8 | 54472-54473 | 10968 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D4C9-D4CB | 54474-54476 | 10969 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D4CD | 54477 | 10970 | 0 | | Reserved | | | F51 | R | |
| D4CD-D4CE | 54478-54479 | 10971 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D4CF-D4D0 | 54480-54481 | 10972 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D4D1-D4D2 | 54482-54483 | 10973 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D4D3-D4D4 | 54484-54485 | 10974 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D4D5-D4D7 | 54486-54488 | 10975 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D4D9 | 54489 | 10976 | 0 | | Reserved | | | F51 | R | |
| D4D9-D4DA | 54490-54491 | 10977 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D4DB-D4DC | 54492-54493 | 10978 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D4DD-D4DE | 54494-54495 | 10979 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D4DF-D4E0 | 54496-54497 | 10980 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D4E1-D4E3 | 54498-54500 | 10981 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D4E5 | 54501 | 10982 | 0 | | Reserved | | | F51 | R | |
| D4E5-D4E6 | 54502-54503 | 10983 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D4E7-D4E8 | 54504-54505 | 10984 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D4E9-D4EA | 54506-54507 | 10985 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D4EB-D4EC | 54508-54509 | 10986 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D4ED-D4EF | 54510-54512 | 10987 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D4F1 | 54513 | 10988 | 0 | | Reserved | | | F51 | R | |
| D4F1-D4F2 | 54514-54515 | 10989 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D4F3-D4F4 | 54516-54517 | 10990 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D4F5-D4F6 | 54518-54519 | 10991 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D4F7-D4F8 | 54520-54521 | 10992 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D4F9-D4FB | 54522-54524 | 10993 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D4FD | 54525 | 10994 | 0 | | Reserved | | | F51 | R | |
| D4FD-D4FE | 54526-54527 | 10995 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D4FF-D500 | 54528-54529 | 10996 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D501-D502 | 54530-54531 | 10997 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D503-D504 | 54532-54533 | 10998 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D505-D507 | 54534-54536 | 10999 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D509 | 54537 | 11000 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D509-D50A | 54538-54539 | 11001 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D50B-D50C | 54540-54541 | 11002 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D50D-D50E | 54542-54543 | 11003 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D50F-D510 | 54544-54545 | 11004 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D511-D513 | 54546-54548 | 11005 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D515 | 54549 | 11006 | 0 | | Reserved | | | F51 | R | |
| D515-D516 | 54550-54551 | 11007 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D517-D518 | 54552-54553 | 11008 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D519-D51A | 54554-54555 | 11009 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D51B-D51C | 54556-54557 | 11010 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D51D-D51F | 54558-54560 | 11011 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D521 | 54561 | 11012 | 0 | | Reserved | | | F51 | R | |
| D521-D522 | 54562-54563 | 11013 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D523-D524 | 54564-54565 | 11014 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D525-D526 | 54566-54567 | 11015 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D527-D528 | 54568-54569 | 11016 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D529-D52B | 54570-54572 | 11017 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D52D | 54573 | 11018 | 0 | | Reserved | | | F51 | R | |
| D52D-D52E | 54574-54575 | 11019 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D52F-D530 | 54576-54577 | 11020 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D531-D532 | 54578-54579 | 11021 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D533-D534 | 54580-54581 | 11022 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D535-D537 | 54582-54584 | 11023 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D539 | 54585 | 11024 | 0 | | Reserved | | | F51 | R | |
| D539-D53A | 54586-54587 | 11025 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D53B-D53C | 54588-54589 | 11026 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D53D-D53E | 54590-54591 | 11027 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D53F-D540 | 54592-54593 | 11028 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D541-D543 | 54594-54596 | 11029 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D545 | 54597 | 11030 | 0 | | Reserved | | | F51 | R | |
| D545-D546 | 54598-54599 | 11031 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D547-D548 | 54600-54601 | 11032 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D549-D54A | 54602-54603 | 11033 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D54B-D54C | 54604-54605 | 11034 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D54D-D54F | 54606-54608 | 11035 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D551 | 54609 | 11036 | 0 | | Reserved | | | F51 | R | |
| D551-D552 | 54610-54611 | 11037 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D553-D554 | 54612-54613 | 11038 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D555-D556 | 54614-54615 | 11039 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D557-D558 | 54616-54617 | 11040 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D559-D55B | 54618-54620 | 11041 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D55D | 54621 | 11042 | 0 | | Reserved | | | F51 | R | |
| D55D-D55E | 54622-54623 | 11043 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D55F-D560 | 54624-54625 | 11044 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D561-D562 | 54626-54627 | 11045 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D563-D564 | 54628-54629 | 11046 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D565-D567 | 54630-54632 | 11047 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D569 | 54633 | 11048 | 0 | | Reserved | | | F51 | R | |
| D569-D56A | 54634-54635 | 11049 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D56B-D56C | 54636-54637 | 11050 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D56D-D56E | 54638-54639 | 11051 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D56F-D570 | 54640-54641 | 11052 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D571-D573 | 54642-54644 | 11053 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D575 | 54645 | 11054 | 0 | | Reserved | | | F51 | R | |
| D575-D576 | 54646-54647 | 11055 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Initial Season, Tier 2 | | | | | |
| D577-D578 | 54648-54649 | 11056 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D579-D57A | 54650-54651 | 11057 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D57B-D57C | 54652-54653 | 11058 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D57D-D57F | 54654-54656 | 11059 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D581 | 54657 | 11060 | 0 | | Reserved | | | F51 | R | |
| D581-D582 | 54658-54659 | 11061 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D583-D584 | 54660-54661 | 11062 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D585-D586 | 54662-54663 | 11063 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D587-D588 | 54664-54665 | 11064 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D589-D58B | 54666-54668 | 11065 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D58D | 54669 | 11066 | 0 | | Reserved | | | F51 | R | |
| D58D-D58E | 54670-54671 | 11067 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D58F-D590 | 54672-54673 | 11068 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D591-D592 | 54674-54675 | 11069 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D593-D594 | 54676-54677 | 11070 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D595-D597 | 54678-54680 | 11071 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D599 | 54681 | 11072 | 0 | | Reserved | | | F51 | R | |
| D599-D59A | 54682-54683 | 11073 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D59B-D59C | 54684-54685 | 11074 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D59D-D59E | 54686-54687 | 11075 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D59F-D5A0 | 54688-54689 | 11076 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D5A1-D5A3 | 54690-54692 | 11077 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D5A5 | 54693 | 11078 | 0 | | Reserved | | | F51 | R | |
| D5A5-D5A6 | 54694-54695 | 11079 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D5A7-D5A8 | 54696-54697 | 11080 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D5A9-D5AA | 54698-54699 | 11081 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D5AB-D5AC | 54700-54701 | 11082 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D5AD-D5AF | 54702-54704 | 11083 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D5B1 | 54705 | 11084 | 0 | | Reserved | | | F51 | R | |
| D5B1-D5B2 | 54706-54707 | 11085 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D5B3-D5B4 | 54708-54709 | 11086 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D5B5-D5B6 | 54710-54711 | 11087 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D5B7-D5B8 | 54712-54713 | 11088 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D5B9-D5BB | 54714-54716 | 11089 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D5BD | 54717 | 11090 | 0 | | Reserved | | | F51 | R | |
| D5BD-D5BE | 54718-54719 | 11091 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D5BF-D5C0 | 54720-54721 | 11092 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D5C1-D5C2 | 54722-54723 | 11093 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D5C3-D5C4 | 54724-54725 | 11094 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D5C5-D5C7 | 54726-54728 | 11095 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D5C9 | 54729 | 11096 | 0 | | Reserved | | | F51 | R | |
| D5C9-D5CA | 54730-54731 | 11097 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D5CB-D5CC | 54732-54733 | 11098 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D5CD-D5CE | 54734-54735 | 11099 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D5CF-D5D0 | 54736-54737 | 11100 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D5D1-D5D3 | 54738-54740 | 11101 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D5D5 | 54741 | 11102 | 0 | | Reserved | | | F51 | R | |
| D5D5-D5D6 | 54742-54743 | 11103 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D5D7-D5D8 | 54744-54745 | 11104 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D5D9-D5DA | 54746-54747 | 11105 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D5DB-D5DC | 54748-54749 | 11106 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D5DD-D5DF | 54750-54752 | 11107 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D5E1 | 54753 | 11108 | 0 | | Reserved | | | F51 | R | |
| D5E1-D5E2 | 54754-54755 | 11109 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D5E3-D5E4 | 54756-54757 | 11110 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D5E5-D5E6 | 54758-54759 | 11111 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D5E7-D5E8 | 54760-54761 | 11112 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D5E9-D5EB | 54762-54764 | 11113 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D5ED | 54765 | 11114 | 0 | | Reserved | | | F51 | R | |
| D5ED-D5EE | 54766-54767 | 11115 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D5EF-D5F0 | 54768-54769 | 11116 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D5F1-D5F2 | 54770-54771 | 11117 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D5F3-D5F4 | 54772-54773 | 11118 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D5F5-D5F7 | 54774-54776 | 11119 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D5F9 | 54777 | 11120 | 0 | | Reserved | | | F51 | R | |
| D5F9-D5FA | 54778-54779 | 11121 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D5FB-D5FC | 54780-54781 | 11122 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D5FD-D5FE | 54782-54783 | 11123 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D5FF-D600 | 54784-54785 | 11124 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D601-D603 | 54786-54788 | 11125 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D605 | 54789 | 11126 | 0 | | Reserved | | | F51 | R | |
| D605-D606 | 54790-54791 | 11127 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D607-D608 | 54792-54793 | 11128 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D609-D60A | 54794-54795 | 11129 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D60B-D60C | 54796-54797 | 11130 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D60D-D60F | 54798-54800 | 11131 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D611 | 54801 | 11132 | 0 | | Reserved | | | F51 | R | |
| D611-D612 | 54802-54803 | 11133 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D613-D614 | 54804-54805 | 11134 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D615-D616 | 54806-54807 | 11135 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D617-D618 | 54808-54809 | 11136 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D619-D61B | 54810-54812 | 11137 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D61D | 54813 | 11138 | 0 | | Reserved | | | F51 | R | |
| D61D-D61E | 54814-54815 | 11139 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D61F-D620 | 54816-54817 | 11140 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D621-D622 | 54818-54819 | 11141 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D623-D624 | 54820-54821 | 11142 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D625-D627 | 54822-54824 | 11143 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D629 | 54825 | 11144 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D629-D62A | 54826-54827 | 11145 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D62B-D62C | 54828-54829 | 11146 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D62D-D62E | 54830-54831 | 11147 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D62F-D630 | 54832-54833 | 11148 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D631-D633 | 54834-54836 | 11149 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D635 | 54837 | 11150 | 0 | | Reserved | | | F51 | R | |
| D635-D636 | 54838-54839 | 11151 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Initial Season, Tier 3 | | | | | |
| D637-D638 | 54840-54841 | 11152 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D639-D63A | 54842-54843 | 11153 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D63B-D63C | 54844-54845 | 11154 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D63D-D63F | 54846-54848 | 11155 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D641 | 54849 | 11156 | 0 | | Reserved | | | F51 | R | |
| D641-D642 | 54850-54851 | 11157 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D643-D644 | 54852-54853 | 11158 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D645-D646 | 54854-54855 | 11159 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D647-D648 | 54856-54857 | 11160 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D649-D64B | 54858-54860 | 11161 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D64D | 54861 | 11162 | 0 | | Reserved | | | F51 | R | |
| D64D-D64E | 54862-54863 | 11163 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D64F-D650 | 54864-54865 | 11164 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D651-D652 | 54866-54867 | 11165 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D653-D654 | 54868-54869 | 11166 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D655-D657 | 54870-54872 | 11167 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D659 | 54873 | 11168 | 0 | | Reserved | | | F51 | R | |
| D659-D65A | 54874-54875 | 11169 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D65B-D65C | 54876-54877 | 11170 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D65D-D65E | 54878-54879 | 11171 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D65F-D660 | 54880-54881 | 11172 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D661-D663 | 54882-54884 | 11173 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D665 | 54885 | 11174 | 0 | | Reserved | | | F51 | R | |
| D665-D666 | 54886-54887 | 11175 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D667-D668 | 54888-54889 | 11176 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D669-D66A | 54890-54891 | 11177 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D66B-D66C | 54892-54893 | 11178 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D66D-D66F | 54894-54896 | 11179 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D671 | 54897 | 11180 | 0 | | Reserved | | | F51 | R | |
| D671-D672 | 54898-54899 | 11181 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D673-D674 | 54900-54901 | 11182 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D675-D676 | 54902-54903 | 11183 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D677-D678 | 54904-54905 | 11184 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D679-D67B | 54906-54908 | 11185 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D67D | 54909 | 11186 | 0 | | Reserved | | | F51 | R | |
| D67D-D67E | 54910-54911 | 11187 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D67F-D680 | 54912-54913 | 11188 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D681-D682 | 54914-54915 | 11189 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D683-D684 | 54916-54917 | 11190 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D685-D687 | 54918-54920 | 11191 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D689 | 54921 | 11192 | 0 | | Reserved | | | F51 | R | |
| D689-D68A | 54922-54923 | 11193 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D68B-D68C | 54924-54925 | 11194 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D68D-D68E | 54926-54927 | 11195 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D68F-D690 | 54928-54929 | 11196 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D691-D693 | 54930-54932 | 11197 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D695 | 54933 | 11198 | 0 | | Reserved | | | F51 | R | |
| D695-D696 | 54934-54935 | 11199 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D697-D698 | 54936-54937 | 11200 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D699-D69A | 54938-54939 | 11201 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D69B-D69C | 54940-54941 | 11202 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D69D-D69F | 54942-54944 | 11203 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D6A1 | 54945 | 11204 | 0 | | Reserved | | | F51 | R | |
| D6A1-D6A2 | 54946-54947 | 11205 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D6A3-D6A4 | 54948-54949 | 11206 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D6A5-D6A6 | 54950-54951 | 11207 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D6A7-D6A8 | 54952-54953 | 11208 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D6A9-D6AB | 54954-54956 | 11209 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D6AD | 54957 | 11210 | 0 | | Reserved | | | F51 | R | |
| D6AD-D6AE | 54958-54959 | 11211 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D6AF-D6B0 | 54960-54961 | 11212 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D6B1-D6B2 | 54962-54963 | 11213 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D6B3-D6B4 | 54964-54965 | 11214 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D6B5-D6B7 | 54966-54968 | 11215 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D6B9 | 54969 | 11216 | 0 | | Reserved | | | F51 | R | |
| D6B9-D6BA | 54970-54971 | 11217 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D6BB-D6BC | 54972-54973 | 11218 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D6BD-D6BE | 54974-54975 | 11219 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D6BF-D6C0 | 54976-54977 | 11220 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D6C1-D6C3 | 54978-54980 | 11221 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D6C5 | 54981 | 11222 | 0 | | Reserved | | | F51 | R | |
| D6C5-D6C6 | 54982-54983 | 11223 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D6C7-D6C8 | 54984-54985 | 11224 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D6C9-D6CA | 54986-54987 | 11225 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D6CB-D6CC | 54988-54989 | 11226 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D6CD-D6CF | 54990-54992 | 11227 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D6D1 | 54993 | 11228 | 0 | | Reserved | | | F51 | R | |
| D6D1-D6D2 | 54994-54995 | 11229 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D6D3-D6D4 | 54996-54997 | 11230 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D6D5-D6D6 | 54998-54999 | 11231 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D6D7-D6D8 | 55000-55001 | 11232 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D6D9-D6DB | 55002-55004 | 11233 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D6DD | 55005 | 11234 | 0 | | Reserved | | | F51 | R | |
| D6DD-D6DE | 55006-55007 | 11235 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D6DF-D6E0 | 55008-55009 | 11236 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D6E1-D6E2 | 55010-55011 | 11237 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D6E3-D6E4 | 55012-55013 | 11238 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D6E5-D6E7 | 55014-55016 | 11239 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D6E9 | 55017 | 11240 | 0 | | Reserved | | | F51 | R | |
| D6E9-D6EA | 55018-55019 | 11241 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D6EB-D6EC | 55020-55021 | 11242 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D6ED-D6EE | 55022-55023 | 11243 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D6EF-D6F0 | 55024-55025 | 11244 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D6F1-D6F3 | 55026-55028 | 11245 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D6F5 | 55029 | 11246 | 0 | | Reserved | | | F51 | R | |
| D6F5-D6F6 | 55030-55031 | 11247 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Initial Season, Tier 4 | | | | | |
| D6F7-D6F8 | 55032-55033 | 11248 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D6F9-D6FA | 55034-55035 | 11249 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D6FB-D6FC | 55036-55037 | 11250 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D6FD-D6FF | 55038-55040 | 11251 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D701 | 55041 | 11252 | 0 | | Reserved | | | F51 | R | |
| D701-D702 | 55042-55043 | 11253 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D703-D704 | 55044-55045 | 11254 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D705-D706 | 55046-55047 | 11255 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D707-D708 | 55048-55049 | 11256 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D709-D70B | 55050-55052 | 11257 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D70D | 55053 | 11258 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D70D-D70E | 55054-55055 | 11259 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D70F-D710 | 55056-55057 | 11260 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D711-D712 | 55058-55059 | 11261 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D713-D714 | 55060-55061 | 11262 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D715-D717 | 55062-55064 | 11263 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D719 | 55065 | 11264 | 0 | | Reserved | | | F51 | R | |
| D719-D71A | 55066-55067 | 11265 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D71B-D71C | 55068-55069 | 11266 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D71D-D71E | 55070-55071 | 11267 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D71F-D720 | 55072-55073 | 11268 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D721-D723 | 55074-55076 | 11269 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D725 | 55077 | 11270 | 0 | | Reserved | | | F51 | R | |
| D725-D726 | 55078-55079 | 11271 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D727-D728 | 55080-55081 | 11272 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D729-D72A | 55082-55083 | 11273 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D72B-D72C | 55084-55085 | 11274 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D72D-D72F | 55086-55088 | 11275 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D731 | 55089 | 11276 | 0 | | Reserved | | | F51 | R | |
| D731-D732 | 55090-55091 | 11277 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D733-D734 | 55092-55093 | 11278 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D735-D736 | 55094-55095 | 11279 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D737-D738 | 55096-55097 | 11280 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D739-D73B | 55098-55100 | 11281 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D73D | 55101 | 11282 | 0 | | Reserved | | | F51 | R | |
| D73D-D73E | 55102-55103 | 11283 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D73F-D740 | 55104-55105 | 11284 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D741-D742 | 55106-55107 | 11285 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D743-D744 | 55108-55109 | 11286 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D745-D747 | 55110-55112 | 11287 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D749 | 55113 | 11288 | 0 | | Reserved | | | F51 | R | |
| D749-D74A | 55114-55115 | 11289 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D74B-D74C | 55116-55117 | 11290 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D74D-D74E | 55118-55119 | 11291 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D74F-D750 | 55120-55121 | 11292 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D751-D753 | 55122-55124 | 11293 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D755 | 55125 | 11294 | 0 | | Reserved | | | F51 | R | |
| D755-D756 | 55126-55127 | 11295 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D757-D758 | 55128-55129 | 11296 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D759-D75A | 55130-55131 | 11297 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D75B-D75C | 55132-55133 | 11298 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D75D-D75F | 55134-55136 | 11299 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D761 | 55137 | 11300 | 0 | | Reserved | | | F51 | R | |
| D761-D762 | 55138-55139 | 11301 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D763-D764 | 55140-55141 | 11302 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D765-D766 | 55142-55143 | 11303 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D767-D768 | 55144-55145 | 11304 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D769-D76B | 55146-55148 | 11305 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D76D | 55149 | 11306 | 0 | | Reserved | | | F51 | R | |
| D76D-D76E | 55150-55151 | 11307 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D76F-D770 | 55152-55153 | 11308 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D771-D772 | 55154-55155 | 11309 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D773-D774 | 55156-55157 | 11310 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D775-D777 | 55158-55160 | 11311 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D779 | 55161 | 11312 | 0 | | Reserved | | | F51 | R | |
| D779-D77A | 55162-55163 | 11313 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D77B-D77C | 55164-55165 | 11314 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D77D-D77E | 55166-55167 | 11315 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D77F-D780 | 55168-55169 | 11316 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D781-D783 | 55170-55172 | 11317 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D785 | 55173 | 11318 | 0 | | Reserved | | | F51 | R | |
| D785-D786 | 55174-55175 | 11319 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D787-D788 | 55176-55177 | 11320 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D789-D78A | 55178-55179 | 11321 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D78B-D78C | 55180-55181 | 11322 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D78D-D78F | 55182-55184 | 11323 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D791 | 55185 | 11324 | 0 | | Reserved | | | F51 | R | |
| D791-D792 | 55186-55187 | 11325 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D793-D794 | 55188-55189 | 11326 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D795-D796 | 55190-55191 | 11327 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D797-D798 | 55192-55193 | 11328 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D799-D79B | 55194-55196 | 11329 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D79D | 55197 | 11330 | 0 | | Reserved | | | F51 | R | |
| D79D-D79E | 55198-55199 | 11331 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D79F-D7A0 | 55200-55201 | 11332 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D7A1-D7A2 | 55202-55203 | 11333 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D7A3-D7A4 | 55204-55205 | 11334 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D7A5-D7A7 | 55206-55208 | 11335 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D7A9 | 55209 | 11336 | 0 | | Reserved | | | F51 | R | |
| D7A9-D7AA | 55210-55211 | 11337 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D7AB-D7AC | 55212-55213 | 11338 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D7AD-D7AE | 55214-55215 | 11339 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D7AF-D7B0 | 55216-55217 | 11340 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D7B1-D7B3 | 55218-55220 | 11341 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D7B5 | 55221 | 11342 | 0 | | Reserved | | | F51 | R | |
| D7B5-D7B6 | 55222-55223 | 11343 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Month, Final Season, Tier 0 | | | | | |
| D7B7-D7B8 | 55224-55225 | 11344 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D7B9-D7BA | 55226-55227 | 11345 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D7BB-D7BC | 55228-55229 | 11346 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D7BD-D7BF | 55230-55232 | 11347 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D7C1 | 55233 | 11348 | 0 | | Reserved | | | F51 | R | |
| D7C1-D7C2 | 55234-55235 | 11349 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D7C3-D7C4 | 55236-55237 | 11350 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D7C5-D7C6 | 55238-55239 | 11351 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D7C7-D7C8 | 55240-55241 | 11352 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D7C9-D7CB | 55242-55244 | 11353 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D7CD | 55245 | 11354 | 0 | | Reserved | | | F51 | R | |
| D7CD-D7CE | 55246-55247 | 11355 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D7CF-D7D0 | 55248-55249 | 11356 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D7D1-D7D2 | 55250-55251 | 11357 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D7D3-D7D4 | 55252-55253 | 11358 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D7D5-D7D7 | 55254-55256 | 11359 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D7D9 | 55257 | 11360 | 0 | | Reserved | | | F51 | R | |
| D7D9-D7DA | 55258-55259 | 11361 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D7DB-D7DC | 55260-55261 | 11362 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D7DD-D7DE | 55262-55263 | 11363 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D7DF-D7E0 | 55264-55265 | 11364 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D7E1-D7E3 | 55266-55268 | 11365 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D7E5 | 55269 | 11366 | 0 | | Reserved | | | F51 | R | |
| D7E5-D7E6 | 55270-55271 | 11367 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D7E7-D7E8 | 55272-55273 | 11368 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D7E9-D7EA | 55274-55275 | 11369 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D7EB-D7EC | 55276-55277 | 11370 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D7ED-D7EF | 55278-55280 | 11371 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D7F1 | 55281 | 11372 | 0 | | Reserved | | | F51 | R | |
| D7F1-D7F2 | 55282-55283 | 11373 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D7F3-D7F4 | 55284-55285 | 11374 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D7F5-D7F6 | 55286-55287 | 11375 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D7F7-D7F8 | 55288-55289 | 11376 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D7F9-D7FB | 55290-55292 | 11377 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D7FD | 55293 | 11378 | 0 | | Reserved | | | F51 | R | |
| D7FD-D7FE | 55294-55295 | 11379 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D7FF-D800 | 55296-55297 | 11380 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D801-D802 | 55298-55299 | 11381 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D803-D804 | 55300-55301 | 11382 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D805-D807 | 55302-55304 | 11383 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D809 | 55305 | 11384 | 0 | | Reserved | | | F51 | R | |
| D809-D80A | 55306-55307 | 11385 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D80B-D80C | 55308-55309 | 11386 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D80D-D80E | 55310-55311 | 11387 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D80F-D810 | 55312-55313 | 11388 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D811-D813 | 55314-55316 | 11389 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D815 | 55317 | 11390 | 0 | | Reserved | | | F51 | R | |
| D815-D816 | 55318-55319 | 11391 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D817-D818 | 55320-55321 | 11392 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D819-D81A | 55322-55323 | 11393 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D81B-D81C | 55324-55325 | 11394 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D81D-D81F | 55326-55328 | 11395 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D821 | 55329 | 11396 | 0 | | Reserved | | | F51 | R | |
| D821-D822 | 55330-55331 | 11397 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D823-D824 | 55332-55333 | 11398 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D825-D826 | 55334-55335 | 11399 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D827-D828 | 55336-55337 | 11400 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D829-D82B | 55338-55340 | 11401 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D82D | 55341 | 11402 | 0 | | Reserved | | | F51 | R | |
| D82D-D82E | 55342-55343 | 11403 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D82F-D830 | 55344-55345 | 11404 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D831-D832 | 55346-55347 | 11405 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D833-D834 | 55348-55349 | 11406 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D835-D837 | 55350-55352 | 11407 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D839 | 55353 | 11408 | 0 | | Reserved | | | F51 | R | |
| D839-D83A | 55354-55355 | 11409 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D83B-D83C | 55356-55357 | 11410 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D83D-D83E | 55358-55359 | 11411 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D83F-D840 | 55360-55361 | 11412 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D841-D843 | 55362-55364 | 11413 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D845 | 55365 | 11414 | 0 | | Reserved | | | F51 | R | |
| D845-D846 | 55366-55367 | 11415 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D847-D848 | 55368-55369 | 11416 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D849-D84A | 55370-55371 | 11417 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D84B-D84C | 55372-55373 | 11418 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D84D-D84F | 55374-55376 | 11419 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D851 | 55377 | 11420 | 0 | | Reserved | | | F51 | R | |
| D851-D852 | 55378-55379 | 11421 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D853-D854 | 55380-55381 | 11422 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D855-D856 | 55382-55383 | 11423 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D857-D858 | 55384-55385 | 11424 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D859-D85B | 55386-55388 | 11425 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D85D | 55389 | 11426 | 0 | | Reserved | | | F51 | R | |
| D85D-D85E | 55390-55391 | 11427 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D85F-D860 | 55392-55393 | 11428 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D861-D862 | 55394-55395 | 11429 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D863-D864 | 55396-55397 | 11430 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D865-D867 | 55398-55400 | 11431 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D869 | 55401 | 11432 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D869-D86A | 55402-55403 | 11433 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D86B-D86C | 55404-55405 | 11434 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D86D-D86E | 55406-55407 | 11435 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D86F-D870 | 55408-55409 | 11436 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D871-D873 | 55410-55412 | 11437 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D875 | 55413 | 11438 | 0 | | Reserved | | | F51 | R | |
| D875-D876 | 55414-55415 | 11439 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Month, Final Season, Tier 1 | | | | | |
| D877-D878 | 55416-55417 | 11440 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D879-D87A | 55418-55419 | 11441 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D87B-D87C | 55420-55421 | 11442 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D87D-D87F | 55422-55424 | 11443 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D881 | 55425 | 11444 | 0 | | Reserved | | | F51 | R | |
| D881-D882 | 55426-55427 | 11445 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D883-D884 | 55428-55429 | 11446 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D885-D886 | 55430-55431 | 11447 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D887-D888 | 55432-55433 | 11448 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D889-D88B | 55434-55436 | 11449 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D88D | 55437 | 11450 | 0 | | Reserved | | | F51 | R | |
| D88D-D88E | 55438-55439 | 11451 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D88F-D890 | 55440-55441 | 11452 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D891-D892 | 55442-55443 | 11453 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D893-D894 | 55444-55445 | 11454 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D895-D897 | 55446-55448 | 11455 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D899 | 55449 | 11456 | 0 | | Reserved | | | F51 | R | |
| D899-D89A | 55450-55451 | 11457 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D89B-D89C | 55452-55453 | 11458 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D89D-D89E | 55454-55455 | 11459 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D89F-D8A0 | 55456-55457 | 11460 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D8A1-D8A3 | 55458-55460 | 11461 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D8A5 | 55461 | 11462 | 0 | | Reserved | | | F51 | R | |
| D8A5-D8A6 | 55462-55463 | 11463 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D8A7-D8A8 | 55464-55465 | 11464 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D8A9-D8AA | 55466-55467 | 11465 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D8AB-D8AC | 55468-55469 | 11466 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D8AD-D8AF | 55470-55472 | 11467 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D8B1 | 55473 | 11468 | 0 | | Reserved | | | F51 | R | |
| D8B1-D8B2 | 55474-55475 | 11469 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D8B3-D8B4 | 55476-55477 | 11470 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D8B5-D8B6 | 55478-55479 | 11471 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D8B7-D8B8 | 55480-55481 | 11472 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D8B9-D8BB | 55482-55484 | 11473 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D8BD | 55485 | 11474 | 0 | | Reserved | | | F51 | R | |
| D8BD-D8BE | 55486-55487 | 11475 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D8BF-D8C0 | 55488-55489 | 11476 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D8C1-D8C2 | 55490-55491 | 11477 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D8C3-D8C4 | 55492-55493 | 11478 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D8C5-D8C7 | 55494-55496 | 11479 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| D8C9 | 55497 | 11480 | 0 | | Reserved | | | F51 | R | |
| D8C9-D8CA | 55498-55499 | 11481 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D8CB-D8CC | 55500-55501 | 11482 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D8CD-D8CE | 55502-55503 | 11483 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D8CF-D8D0 | 55504-55505 | 11484 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D8D1-D8D3 | 55506-55508 | 11485 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D8D5 | 55509 | 11486 | 0 | | Reserved | | | F51 | R | |
| D8D5-D8D6 | 55510-55511 | 11487 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D8D7-D8D8 | 55512-55513 | 11488 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D8D9-D8DA | 55514-55515 | 11489 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D8DB-D8DC | 55516-55517 | 11490 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D8DD-D8DF | 55518-55520 | 11491 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D8E1 | 55521 | 11492 | 0 | | Reserved | | | F51 | R | |
| D8E1-D8E2 | 55522-55523 | 11493 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D8E3-D8E4 | 55524-55525 | 11494 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D8E5-D8E6 | 55526-55527 | 11495 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D8E7-D8E8 | 55528-55529 | 11496 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D8E9-D8EB | 55530-55532 | 11497 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D8ED | 55533 | 11498 | 0 | | Reserved | | | F51 | R | |
| D8ED-D8EE | 55534-55535 | 11499 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D8EF-D8F0 | 55536-55537 | 11500 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D8F1-D8F2 | 55538-55539 | 11501 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D8F3-D8F4 | 55540-55541 | 11502 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D8F5-D8F7 | 55542-55544 | 11503 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D8F9 | 55545 | 11504 | 0 | | Reserved | | | F51 | R | |
| D8F9-D8FA | 55546-55547 | 11505 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D8FB-D8FC | 55548-55549 | 11506 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D8FD-D8FE | 55550-55551 | 11507 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D8FF-D900 | 55552-55553 | 11508 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| D901-D903 | 55554-55556 | 11509 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D905 | 55557 | 11510 | 0 | | Reserved | | | F51 | R | |
| D905-D906 | 55558-55559 | 11511 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D907-D908 | 55560-55561 | 11512 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D909-D90A | 55562-55563 | 11513 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D90B-D90C | 55564-55565 | 11514 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D90D-D90F | 55566-55568 | 11515 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D911 | 55569 | 11516 | 0 | | Reserved | | | F51 | R | |
| D911-D912 | 55570-55571 | 11517 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D913-D914 | 55572-55573 | 11518 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D915-D916 | 55574-55575 | 11519 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D917-D918 | 55576-55577 | 11520 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D919-D91B | 55578-55580 | 11521 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D91D | 55581 | 11522 | 0 | | Reserved | | | F51 | R | |
| D91D-D91E | 55582-55583 | 11523 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D91F-D920 | 55584-55585 | 11524 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D921-D922 | 55586-55587 | 11525 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D923-D924 | 55588-55589 | 11526 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D925-D927 | 55590-55592 | 11527 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D929 | 55593 | 11528 | 0 | | Reserved | | | F51 | R | |
| D929-D92A | 55594-55595 | 11529 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D92B-D92C | 55596-55597 | 11530 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D92D-D92E | 55598-55599 | 11531 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D92F-D930 | 55600-55601 | 11532 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D931-D933 | 55602-55604 | 11533 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D935 | 55605 | 11534 | 0 | | Reserved | | | F51 | R | |
| D935-D936 | 55606-55607 | 11535 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Final Season, Tier 2 | | | | | |
| D937-D938 | 55608-55609 | 11536 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| D939-D93A | 55610-55611 | 11537 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D93B-D93C | 55612-55613 | 11538 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D93D-D93F | 55614-55616 | 11539 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| D941 | 55617 | 11540 | 0 | | Reserved | | | F51 | R | |
| D941-D942 | 55618-55619 | 11541 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| D943-D944 | 55620-55621 | 11542 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| D945-D946 | 55622-55623 | 11543 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| D947-D948 | 55624-55625 | 11544 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| D949-D94B | 55626-55628 | 11545 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| D94D | 55629 | 11546 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D94D-D94E | 55630-55631 | 11547 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| D94F-D950 | 55632-55633 | 11548 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| D951-D952 | 55634-55635 | 11549 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| D953-D954 | 55636-55637 | 11550 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| D955-D957 | 55638-55640 | 11551 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| D959 | 55641 | 11552 | 0 | | Reserved | | | F51 | R | |
| D959-D95A | 55642-55643 | 11553 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| D95B-D95C | 55644-55645 | 11554 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| D95D-D95E | 55646-55647 | 11555 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| D95F-D960 | 55648-55649 | 11556 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| D961-D963 | 55650-55652 | 11557 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| D965 | 55653 | 11558 | 0 | | Reserved | | | F51 | R | |
| D965-D966 | 55654-55655 | 11559 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| D967-D968 | 55656-55657 | 11560 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| D969-D96A | 55658-55659 | 11561 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| D96B-D96C | 55660-55661 | 11562 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| D96D-D96F | 55662-55664 | 11563 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| D971 | 55665 | 11564 | 0 | | Reserved | | | F51 | R | |
| D971-D972 | 55666-55667 | 11565 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| D973-D974 | 55668-55669 | 11566 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| D975-D976 | 55670-55671 | 11567 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| D977-D978 | 55672-55673 | 11568 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| D979-D97B | 55674-55676 | 11569 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| D97D | 55677 | 11570 | 0 | | Reserved | | | F51 | R | |
| D97D-D97E | 55678-55679 | 11571 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| D97F-D980 | 55680-55681 | 11572 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| D981-D982 | 55682-55683 | 11573 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| D983-D984 | 55684-55685 | 11574 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| D985-D987 | 55686-55688 | 11575 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D989 | 55689 | 11576 | 0 | | Reserved | | | F51 | R | |
| D989-D98A | 55690-55691 | 11577 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| D98B-D98C | 55692-55693 | 11578 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| D98D-D98E | 55694-55695 | 11579 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| D98F-D990 | 55696-55697 | 11580 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| D991-D993 | 55698-55700 | 11581 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| D995 | 55701 | 11582 | 0 | | Reserved | | | F51 | R | |
| D995-D996 | 55702-55703 | 11583 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| D997-D998 | 55704-55705 | 11584 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| D999-D99A | 55706-55707 | 11585 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| D99B-D99C | 55708-55709 | 11586 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| D99D-D99F | 55710-55712 | 11587 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| D9A1 | 55713 | 11588 | 0 | | Reserved | | | F51 | R | |
| D9A1-D9A2 | 55714-55715 | 11589 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| D9A3-D9A4 | 55716-55717 | 11590 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| D9A5-D9A6 | 55718-55719 | 11591 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| D9A7-D9A8 | 55720-55721 | 11592 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| D9A9-D9AB | 55722-55724 | 11593 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| D9AD | 55725 | 11594 | 0 | | Reserved | | | F51 | R | |
| D9AD-D9AE | 55726-55727 | 11595 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| D9AF-D9B0 | 55728-55729 | 11596 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| D9B1-D9B2 | 55730-55731 | 11597 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| D9B3-D9B4 | 55732-55733 | 11598 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| D9B5-D9B7 | 55734-55736 | 11599 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| D9B9 | 55737 | 11600 | 0 | | Reserved | | | F51 | R | |
| D9B9-D9BA | 55738-55739 | 11601 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| D9BB-D9BC | 55740-55741 | 11602 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| D9BD-D9BE | 55742-55743 | 11603 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| D9BF-D9C0 | 55744-55745 | 11604 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D9C1-D9C3 | 55746-55748 | 11605 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| D9C5 | 55749 | 11606 | 0 | | Reserved | | | F51 | R | |
| D9C5-D9C6 | 55750-55751 | 11607 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| D9C7-D9C8 | 55752-55753 | 11608 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| D9C9-D9CA | 55754-55755 | 11609 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| D9CB-D9CC | 55756-55757 | 11610 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| D9CD-D9CF | 55758-55760 | 11611 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| D9D1 | 55761 | 11612 | 0 | | Reserved | | | F51 | R | |
| D9D1-D9D2 | 55762-55763 | 11613 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| D9D3-D9D4 | 55764-55765 | 11614 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| D9D5-D9D6 | 55766-55767 | 11615 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| D9D7-D9D8 | 55768-55769 | 11616 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| D9D9-D9DB | 55770-55772 | 11617 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| D9DD | 55773 | 11618 | 0 | | Reserved | | | F51 | R | |
| D9DD-D9DE | 55774-55775 | 11619 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| D9DF-D9E0 | 55776-55777 | 11620 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| D9E1-D9E2 | 55778-55779 | 11621 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| D9E3-D9E4 | 55780-55781 | 11622 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| D9E5-D9E7 | 55782-55784 | 11623 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| D9E9 | 55785 | 11624 | 0 | | Reserved | | | F51 | R | |
| D9E9-D9EA | 55786-55787 | 11625 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| D9EB-D9EC | 55788-55789 | 11626 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| D9ED-D9EE | 55790-55791 | 11627 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| D9EF-D9F0 | 55792-55793 | 11628 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| D9F1-D9F3 | 55794-55796 | 11629 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| D9F5 | 55797 | 11630 | 0 | | Reserved | | | F51 | R | |
| D9F5-D9F6 | 55798-55799 | 11631 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Final Season, Tier 3 | | | | | |
| D9F7-D9F8 | 55800-55801 | 11632 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| D9F9-D9FA | 55802-55803 | 11633 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| D9FB-D9FC | 55804-55805 | 11634 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| D9FD-D9FF | 55806-55808 | 11635 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DA01 | 55809 | 11636 | 0 | | Reserved | | | F51 | R | |
| DA01-DA02 | 55810-55811 | 11637 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DA03-DA04 | 55812-55813 | 11638 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DA05-DA06 | 55814-55815 | 11639 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DA07-DA08 | 55816-55817 | 11640 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DA09-DA0B | 55818-55820 | 11641 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DA0D | 55821 | 11642 | 0 | | Reserved | | | F51 | R | |
| DA0D-DA0E | 55822-55823 | 11643 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DA0F-DA10 | 55824-55825 | 11644 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DA11-DA12 | 55826-55827 | 11645 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DA13-DA14 | 55828-55829 | 11646 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DA15-DA17 | 55830-55832 | 11647 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DA19 | 55833 | 11648 | 0 | | Reserved | | | F51 | R | |
| DA19-DA1A | 55834-55835 | 11649 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DA1B-DA1C | 55836-55837 | 11650 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DA1D-DA1E | 55838-55839 | 11651 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DA1F-DA20 | 55840-55841 | 11652 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DA21-DA23 | 55842-55844 | 11653 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DA25 | 55845 | 11654 | 0 | | Reserved | | | F51 | R | |
| DA25-DA26 | 55846-55847 | 11655 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DA27-DA28 | 55848-55849 | 11656 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DA29-DA2A | 55850-55851 | 11657 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DA2B-DA2C | 55852-55853 | 11658 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DA2D-DA2F | 55854-55856 | 11659 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DA31 | 55857 | 11660 | 0 | | Reserved | | | F51 | R | |
| DA31-DA32 | 55858-55859 | 11661 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DA33-DA34 | 55860-55861 | 11662 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DA35-DA36 | 55862-55863 | 11663 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DA37-DA38 | 55864-55865 | 11664 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DA39-DA3B | 55866-55868 | 11665 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DA3D | 55869 | 11666 | 0 | | Reserved | | | F51 | R | |
| DA3D-DA3E | 55870-55871 | 11667 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DA3F-DA40 | 55872-55873 | 11668 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DA41-DA42 | 55874-55875 | 11669 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DA43-DA44 | 55876-55877 | 11670 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DA45-DA47 | 55878-55880 | 11671 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DA49 | 55881 | 11672 | 0 | | Reserved | | | F51 | R | |
| DA49-DA4A | 55882-55883 | 11673 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DA4B-DA4C | 55884-55885 | 11674 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DA4D-DA4E | 55886-55887 | 11675 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DA4F-DA50 | 55888-55889 | 11676 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DA51-DA53 | 55890-55892 | 11677 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DA55 | 55893 | 11678 | 0 | | Reserved | | | F51 | R | |
| DA55-DA56 | 55894-55895 | 11679 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DA57-DA58 | 55896-55897 | 11680 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DA59-DA5A | 55898-55899 | 11681 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DA5B-DA5C | 55900-55901 | 11682 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DA5D-DA5F | 55902-55904 | 11683 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DA61 | 55905 | 11684 | 0 | | Reserved | | | F51 | R | |
| DA61-DA62 | 55906-55907 | 11685 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DA63-DA64 | 55908-55909 | 11686 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DA65-DA66 | 55910-55911 | 11687 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DA67-DA68 | 55912-55913 | 11688 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DA69-DA6B | 55914-55916 | 11689 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DA6D | 55917 | 11690 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DA6D-DA6E | 55918-55919 | 11691 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DA6F-DA70 | 55920-55921 | 11692 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DA71-DA72 | 55922-55923 | 11693 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DA73-DA74 | 55924-55925 | 11694 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DA75-DA77 | 55926-55928 | 11695 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DA79 | 55929 | 11696 | 0 | | Reserved | | | F51 | R | |
| DA79-DA7A | 55930-55931 | 11697 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DA7B-DA7C | 55932-55933 | 11698 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DA7D-DA7E | 55934-55935 | 11699 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DA7F-DA80 | 55936-55937 | 11700 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DA81-DA83 | 55938-55940 | 11701 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DA85 | 55941 | 11702 | 0 | | Reserved | | | F51 | R | |
| DA85-DA86 | 55942-55943 | 11703 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DA87-DA88 | 55944-55945 | 11704 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DA89-DA8A | 55946-55947 | 11705 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DA8B-DA8C | 55948-55949 | 11706 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DA8D-DA8F | 55950-55952 | 11707 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DA91 | 55953 | 11708 | 0 | | Reserved | | | F51 | R | |
| DA91-DA92 | 55954-55955 | 11709 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DA93-DA94 | 55956-55957 | 11710 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DA95-DA96 | 55958-55959 | 11711 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DA97-DA98 | 55960-55961 | 11712 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DA99-DA9B | 55962-55964 | 11713 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DA9D | 55965 | 11714 | 0 | | Reserved | | | F51 | R | |
| DA9D-DA9E | 55966-55967 | 11715 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DA9F-DAA0 | 55968-55969 | 11716 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DAA1-DAA2 | 55970-55971 | 11717 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DAA3-DAA4 | 55972-55973 | 11718 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DAA5-DAA7 | 55974-55976 | 11719 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DAA9 | 55977 | 11720 | 0 | | Reserved | | | F51 | R | |
| DAA9-DAAA | 55978-55979 | 11721 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DAAB-DAAC | 55980-55981 | 11722 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DAAD-DAAE | 55982-55983 | 11723 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DAAF-DAB0 | 55984-55985 | 11724 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DAB1-DAB3 | 55986-55988 | 11725 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DAB5 | 55989 | 11726 | 0 | | Reserved | | | F51 | R | |
| DAB5-DAB6 | 55990-55991 | 11727 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Current Month, Final Season, Tier 4 | | | | | |
| DAB7-DAB8 | 55992-55993 | 11728 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DAB9-DABA | 55994-55995 | 11729 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DABB-DABC | 55996-55997 | 11730 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DABD-DABF | 55998-56000 | 11731 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DAC1 | 56001 | 11732 | 0 | | Reserved | | | F51 | R | |
| DAC1-DAC2 | 56002-56003 | 11733 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DAC3-DAC4 | 56004-56005 | 11734 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DAC5-DAC6 | 56006-56007 | 11735 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DAC7-DAC8 | 56008-56009 | 11736 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DAC9-DACB | 56010-56012 | 11737 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DACD | 56013 | 11738 | 0 | | Reserved | | | F51 | R | |
| DACD-DACE | 56014-56015 | 11739 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DACF-DAD0 | 56016-56017 | 11740 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DAD1-DAD2 | 56018-56019 | 11741 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DAD3-DAD4 | 56020-56021 | 11742 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DAD5-DAD7 | 56022-56024 | 11743 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DAD9 | 56025 | 11744 | 0 | | Reserved | | | F51 | R | |
| DAD9-DADA | 56026-56027 | 11745 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DADB-DADC | 56028-56029 | 11746 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DADD-DADE | 56030-56031 | 11747 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DADF-DAE0 | 56032-56033 | 11748 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DAE1-DAE3 | 56034-56036 | 11749 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DAE5 | 56037 | 11750 | 0 | | Reserved | | | F51 | R | |
| DAE5-DAE6 | 56038-56039 | 11751 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DAE7-DAE8 | 56040-56041 | 11752 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DAE9-DAEA | 56042-56043 | 11753 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DAEB-DAEC | 56044-56045 | 11754 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DAED-DAEF | 56046-56048 | 11755 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DAF1 | 56049 | 11756 | 0 | | Reserved | | | F51 | R | |
| DAF1-DAF2 | 56050-56051 | 11757 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DAF3-DAF4 | 56052-56053 | 11758 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DAF5-DAF6 | 56054-56055 | 11759 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DAF7-DAF8 | 56056-56057 | 11760 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DAF9-DAFB | 56058-56060 | 11761 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DAFD | 56061 | 11762 | 0 | | Reserved | | | F51 | R | |
| DAFD-DAFE | 56062-56063 | 11763 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DAFF-DB00 | 56064-56065 | 11764 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DB01-DB02 | 56066-56067 | 11765 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DB03-DB04 | 56068-56069 | 11766 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DB05-DB07 | 56070-56072 | 11767 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DB09 | 56073 | 11768 | 0 | | Reserved | | | F51 | R | |
| DB09-DB0A | 56074-56075 | 11769 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DB0B-DB0C | 56076-56077 | 11770 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DB0D-DB0E | 56078-56079 | 11771 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DB0F-DB10 | 56080-56081 | 11772 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DB11-DB13 | 56082-56084 | 11773 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DB15 | 56085 | 11774 | 0 | | Reserved | | | F51 | R | |
| DB15-DB16 | 56086-56087 | 11775 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DB17-DB18 | 56088-56089 | 11776 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DB19-DB1A | 56090-56091 | 11777 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DB1B-DB1C | 56092-56093 | 11778 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DB1D-DB1F | 56094-56096 | 11779 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DB21 | 56097 | 11780 | 0 | | Reserved | | | F51 | R | |
| DB21-DB22 | 56098-56099 | 11781 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DB23-DB24 | 56100-56101 | 11782 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DB25-DB26 | 56102-56103 | 11783 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DB27-DB28 | 56104-56105 | 11784 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DB29-DB2B | 56106-56108 | 11785 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DB2D | 56109 | 11786 | 0 | | Reserved | | | F51 | R | |
| DB2D-DB2E | 56110-56111 | 11787 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DB2F-DB30 | 56112-56113 | 11788 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DB31-DB32 | 56114-56115 | 11789 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DB33-DB34 | 56116-56117 | 11790 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DB35-DB37 | 56118-56120 | 11791 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DB39 | 56121 | 11792 | 0 | | Reserved | | | F51 | R | |
| DB39-DB3A | 56122-56123 | 11793 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DB3B-DB3C | 56124-56125 | 11794 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DB3D-DB3E | 56126-56127 | 11795 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DB3F-DB40 | 56128-56129 | 11796 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DB41-DB43 | 56130-56132 | 11797 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DB45 | 56133 | 11798 | 0 | | Reserved | | | F51 | R | |
| DB45-DB46 | 56134-56135 | 11799 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DB47-DB48 | 56136-56137 | 11800 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DB49-DB4A | 56138-56139 | 11801 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DB4B-DB4C | 56140-56141 | 11802 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DB4D-DB4F | 56142-56144 | 11803 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DB51 | 56145 | 11804 | 0 | | Reserved | | | F51 | R | |
| DB51-DB52 | 56146-56147 | 11805 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DB53-DB54 | 56148-56149 | 11806 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DB55-DB56 | 56150-56151 | 11807 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DB57-DB58 | 56152-56153 | 11808 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DB59-DB5B | 56154-56156 | 11809 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DB5D | 56157 | 11810 | 0 | | Reserved | | | F51 | R | |
| DB5D-DB5E | 56158-56159 | 11811 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DB5F-DB60 | 56160-56161 | 11812 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DB61-DB62 | 56162-56163 | 11813 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DB63-DB64 | 56164-56165 | 11814 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DB65-DB67 | 56166-56168 | 11815 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DB69 | 56169 | 11816 | 0 | | Reserved | | | F51 | R | |
| DB69-DB6A | 56170-56171 | 11817 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DB6B-DB6C | 56172-56173 | 11818 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DB6D-DB6E | 56174-56175 | 11819 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DB6F-DB70 | 56176-56177 | 11820 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DB71-DB73 | 56178-56180 | 11821 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DB75 | 56181 | 11822 | 0 | | Reserved | | | F51 | R | |
| DB75-DB76 | 56182-56183 | 11823 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
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|---|---|---|---|---|---|---|---|---|---|---|
| | | base=11824, group count=96, groups=15 | | | **Tier 0 is for total**<br>**Prior Month Tier 0: Whole month data**<br>**Prior Month Tier 1: Whole month data**<br>**Prior Month Tier 2: Whole month data**<br>**Prior Month Tier 3: Whole month data**<br>**Prior Month Tier 4: Whole month data**<br>**Prior Month Tier 0: Initial season data**<br>**Prior Month Tier 1: Initial season data**<br>**Prior Month Tier 2: Initial season data**<br>**Prior Month Tier 3: Initial season data**<br>**Prior Month Tier 4: Initial season data**<br>**Prior Month Tier 0: Final season data**<br>**Prior Month Tier 1: Final season data**<br>**Prior Month Tier 2: Final season data**<br>**Prior Month Tier 3: Final season data**<br>**Prior Month Tier 4: Final season data** | | | | | |
| | | | | | Prior Month, Whole Month, Tier 0 | | | | | |
| DB77-DB78 | 56184-56185 | 11824 | 56184 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DB79-DB7A | 56186-56187 | 11825 | 56186 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DB7B-DB7C | 56188-56189 | 11826 | 56188 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DB7D-DB7F | 56190-56192 | 11827 | 56190 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DB81 | 56193 | 11828 | 56193 | | Reserved | | | F51 | R | |
| DB81-DB82 | 56194-56195 | 11829 | 56194 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DB83-DB84 | 56196-56197 | 11830 | 56196 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DB85-DB86 | 56198-56199 | 11831 | 56198 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DB87-DB88 | 56200-56201 | 11832 | 56200 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DB89-DB8B | 56202-56204 | 11833 | 56202 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DB8D | 56205 | 11834 | 56205 | | Reserved | | | F51 | R | |
| DB8D-DB8E | 56206-56207 | 11835 | 56206 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DB8F-DB90 | 56208-56209 | 11836 | 56208 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DB91-DB92 | 56210-56211 | 11837 | 56210 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DB93-DB94 | 56212-56213 | 11838 | 56212 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DB95-DB97 | 56214-56216 | 11839 | 56214 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DB99 | 56217 | 11840 | 56217 | | Reserved | | | F51 | R | |
| DB99-DB9A | 56218-56219 | 11841 | 56218 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DB9B-DB9C | 56220-56221 | 11842 | 56220 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DB9D-DB9E | 56222-56223 | 11843 | 56222 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DB9F-DBA0 | 56224-56225 | 11844 | 56224 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DBA1-DBA3 | 56226-56228 | 11845 | 56226 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DBA5 | 56229 | 11846 | 56229 | | Reserved | | | F51 | R | |
| DBA5-DBA6 | 56230-56231 | 11847 | 56230 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DBA7-DBA8 | 56232-56233 | 11848 | 56232 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DBA9-DBAA | 56234-56235 | 11849 | 56234 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DBAB-DBAC | 56236-56237 | 11850 | 56236 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DBAD-DBAF | 56238-56240 | 11851 | 56238 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DBB1 | 56241 | 11852 | 56241 | | Reserved | | | F51 | R | |
| DBB1-DBB2 | 56242-56243 | 11853 | 56242 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DBB3-DBB4 | 56244-56245 | 11854 | 56244 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DBB5-DBB6 | 56246-56247 | 11855 | 56246 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DBB7-DBB8 | 56248-56249 | 11856 | 56248 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DBB9-DBBB | 56250-56252 | 11857 | 56250 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DBBD | 56253 | 11858 | 56253 | | Reserved | | | F51 | R | |
| DBBD-DBBE | 56254-56255 | 11859 | 56254 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DBBF-DBC0 | 56256-56257 | 11860 | 56256 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DBC1-DBC2 | 56258-56259 | 11861 | 56258 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DBC3-DBC4 | 56260-56261 | 11862 | 56260 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DBC5-DBC7 | 56262-56264 | 11863 | 56262 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DBC9 | 56265 | 11864 | 56265 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DBC9-DBCA | 56266-56267 | 11865 | 56266 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DBCB-DBCC | 56268-56269 | 11866 | 56268 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DBCD-DBCE | 56270-56271 | 11867 | 56270 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DBCF-DBD0 | 56272-56273 | 11868 | 56272 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DBD1-DBD3 | 56274-56276 | 11869 | 56274 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DBD5 | 56277 | 11870 | 56277 | | Reserved | | | F51 | R | |
| DBD5-DBD6 | 56278-56279 | 11871 | 56278 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DBD7-DBD8 | 56280-56281 | 11872 | 56280 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DBD9-DBDA | 56282-56283 | 11873 | 56282 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DBDB-DBDC | 56284-56285 | 11874 | 56284 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DBDD-DBDF | 56286-56288 | 11875 | 56286 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DBE1 | 56289 | 11876 | 56289 | | Reserved | | | F51 | R | |
| DBE1-DBE2 | 56290-56291 | 11877 | 56290 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DBE3-DBE4 | 56292-56293 | 11878 | 56292 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DBE5-DBE6 | 56294-56295 | 11879 | 56294 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DBE7-DBE8 | 56296-56297 | 11880 | 56296 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DBE9-DBEB | 56298-56300 | 11881 | 56298 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DBED | 56301 | 11882 | 56301 | | Reserved | | | F51 | R | |
| DBED-DBEE | 56302-56303 | 11883 | 56302 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DBEF-DBF0 | 56304-56305 | 11884 | 56304 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DBF1-DBF2 | 56306-56307 | 11885 | 56306 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DBF3-DBF4 | 56308-56309 | 11886 | 56308 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DBF5-DBF7 | 56310-56312 | 11887 | 56310 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DBF9 | 56313 | 11888 | 56313 | | Reserved | | | F51 | R | |
| DBF9-DBFA | 56314-56315 | 11889 | 56314 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DBFB-DBFC | 56316-56317 | 11890 | 56316 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DBFD-DBFE | 56318-56319 | 11891 | 56318 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DBFF-DC00 | 56320-56321 | 11892 | 56320 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DC01-DC03 | 56322-56324 | 11893 | 56322 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DC05 | 56325 | 11894 | 56325 | | Reserved | | | F51 | R | |
| DC05-DC06 | 56326-56327 | 11895 | 56326 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DC07-DC08 | 56328-56329 | 11896 | 56328 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DC09-DC0A | 56330-56331 | 11897 | 56330 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DC0B-DC0C | 56332-56333 | 11898 | 56332 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DC0D-DC0F | 56334-56336 | 11899 | 56334 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DC11 | 56337 | 11900 | 56337 | | Reserved | | | F51 | R | |
| DC11-DC12 | 56338-56339 | 11901 | 56338 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DC13-DC14 | 56340-56341 | 11902 | 56340 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DC15-DC16 | 56342-56343 | 11903 | 56342 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DC17-DC18 | 56344-56345 | 11904 | 56344 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DC19-DC1B | 56346-56348 | 11905 | 56346 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DC1D | 56349 | 11906 | 56349 | | Reserved | | | F51 | R | |
| DC1D-DC1E | 56350-56351 | 11907 | 56350 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DC1F-DC20 | 56352-56353 | 11908 | 56352 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DC21-DC22 | 56354-56355 | 11909 | 56354 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DC23-DC24 | 56356-56357 | 11910 | 56356 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DC25-DC27 | 56358-56360 | 11911 | 56358 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DC29 | 56361 | 11912 | 56361 | | Reserved | | | F51 | R | |
| DC29-DC2A | 56362-56363 | 11913 | 56362 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DC2B-DC2C | 56364-56365 | 11914 | 56364 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DC2D-DC2E | 56366-56367 | 11915 | 56366 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DC2F-DC30 | 56368-56369 | 11916 | 56368 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DC31-DC33 | 56370-56372 | 11917 | 56370 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DC35 | 56373 | 11918 | 56373 | | Reserved | | | F51 | R | |
| DC35-DC36 | 56374-56375 | 11919 | 56374 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Month, Whole Month, Tier 1 | | | | | |
| DC37-DC38 | 56376-56377 | 11920 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DC39-DC3A | 56378-56379 | 11921 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DC3B-DC3C | 56380-56381 | 11922 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DC3D-DC3F | 56382-56384 | 11923 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DC41 | 56385 | 11924 | 0 | | Reserved | | | F51 | R | |
| DC41-DC42 | 56386-56387 | 11925 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DC43-DC44 | 56388-56389 | 11926 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DC45-DC46 | 56390-56391 | 11927 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DC47-DC48 | 56392-56393 | 11928 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DC49-DC4B | 56394-56396 | 11929 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DC4D | 56397 | 11930 | 0 | | Reserved | | | F51 | R | |
| DC4D-DC4E | 56398-56399 | 11931 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DC4F-DC50 | 56400-56401 | 11932 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DC51-DC52 | 56402-56403 | 11933 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DC53-DC54 | 56404-56405 | 11934 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DC55-DC57 | 56406-56408 | 11935 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DC59 | 56409 | 11936 | 0 | | Reserved | | | F51 | R | |
| DC59-DC5A | 56410-56411 | 11937 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DC5B-DC5C | 56412-56413 | 11938 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DC5D-DC5E | 56414-56415 | 11939 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DC5F-DC60 | 56416-56417 | 11940 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DC61-DC63 | 56418-56420 | 11941 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DC65 | 56421 | 11942 | 0 | | Reserved | | | F51 | R | |
| DC65-DC66 | 56422-56423 | 11943 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DC67-DC68 | 56424-56425 | 11944 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DC69-DC6A | 56426-56427 | 11945 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DC6B-DC6C | 56428-56429 | 11946 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DC6D-DC6F | 56430-56432 | 11947 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DC71 | 56433 | 11948 | 0 | | Reserved | | | F51 | R | |
| DC71-DC72 | 56434-56435 | 11949 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DC73-DC74 | 56436-56437 | 11950 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DC75-DC76 | 56438-56439 | 11951 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DC77-DC78 | 56440-56441 | 11952 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DC79-DC7B | 56442-56444 | 11953 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DC7D | 56445 | 11954 | 0 | | Reserved | | | F51 | R | |
| DC7D-DC7E | 56446-56447 | 11955 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DC7F-DC80 | 56448-56449 | 11956 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DC81-DC82 | 56450-56451 | 11957 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DC83-DC84 | 56452-56453 | 11958 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DC85-DC87 | 56454-56456 | 11959 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DC89 | 56457 | 11960 | 0 | | Reserved | | | F51 | R | |
| DC89-DC8A | 56458-56459 | 11961 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DC8B-DC8C | 56460-56461 | 11962 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DC8D-DC8E | 56462-56463 | 11963 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DC8F-DC90 | 56464-56465 | 11964 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DC91-DC93 | 56466-56468 | 11965 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DC95 | 56469 | 11966 | 0 | | Reserved | | | F51 | R | |
| DC95-DC96 | 56470-56471 | 11967 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DC97-DC98 | 56472-56473 | 11968 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DC99-DC9A | 56474-56475 | 11969 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DC9B-DC9C | 56476-56477 | 11970 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DC9D-DC9F | 56478-56480 | 11971 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DCA1 | 56481 | 11972 | 0 | | Reserved | | | F51 | R | |
| DCA1-DCA2 | 56482-56483 | 11973 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DCA3-DCA4 | 56484-56485 | 11974 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DCA5-DCA6 | 56486-56487 | 11975 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DCA7-DCA8 | 56488-56489 | 11976 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DCA9-DCAB | 56490-56492 | 11977 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DCAD | 56493 | 11978 | 0 | | Reserved | | | F51 | R | |
| DCAD-DCAE | 56494-56495 | 11979 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DCAF-DCB0 | 56496-56497 | 11980 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DCB1-DCB2 | 56498-56499 | 11981 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DCB3-DCB4 | 56500-56501 | 11982 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DCB5-DCB7 | 56502-56504 | 11983 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DCB9 | 56505 | 11984 | 0 | | Reserved | | | F51 | R | |
| DCB9-DCBA | 56506-56507 | 11985 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DCBB-DCBC | 56508-56509 | 11986 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DCBD-DCBE | 56510-56511 | 11987 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DCBF-DCC0 | 56512-56513 | 11988 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DCC1-DCC3 | 56514-56516 | 11989 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DCC5 | 56517 | 11990 | 0 | | Reserved | | | F51 | R | |
| DCC5-DCC6 | 56518-56519 | 11991 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DCC7-DCC8 | 56520-56521 | 11992 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DCC9-DCCA | 56522-56523 | 11993 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DCCB-DCCC | 56524-56525 | 11994 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DCCD-DCCF | 56526-56528 | 11995 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DCD1 | 56529 | 11996 | 0 | | Reserved | | | F51 | R | |
| DCD1-DCD2 | 56530-56531 | 11997 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DCD3-DCD4 | 56532-56533 | 11998 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DCD5-DCD6 | 56534-56535 | 11999 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DCD7-DCD8 | 56536-56537 | 12000 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DCD9-DCDB | 56538-56540 | 12001 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DCDD | 56541 | 12002 | 0 | | Reserved | | | F51 | R | |
| DCDD-DCDE | 56542-56543 | 12003 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DCDF-DCE0 | 56544-56545 | 12004 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DCE1-DCE2 | 56546-56547 | 12005 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DCE3-DCE4 | 56548-56549 | 12006 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DCE5-DCE7 | 56550-56552 | 12007 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DCE9 | 56553 | 12008 | 0 | | Reserved | | | F51 | R | |
| DCE9-DCEA | 56554-56555 | 12009 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DCEB-DCEC | 56556-56557 | 12010 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DCED-DCEE | 56558-56559 | 12011 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DCEF-DCF0 | 56560-56561 | 12012 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DCF1-DCF3 | 56562-56564 | 12013 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DCF5 | 56565 | 12014 | 0 | | Reserved | | | F51 | R | |
| DCF5-DCF6 | 56566-56567 | 12015 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Whole Month, Tier 2 | | | | | |
| DCF7-DCF8 | 56568-56569 | 12016 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DCF9-DCFA | 56570-56571 | 12017 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DCFB-DCFC | 56572-56573 | 12018 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DCFD-DCFF | 56574-56576 | 12019 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DD01 | 56577 | 12020 | 0 | | Reserved | | | F51 | R | |
| DD01-DD02 | 56578-56579 | 12021 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DD03-DD04 | 56580-56581 | 12022 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DD05-DD06 | 56582-56583 | 12023 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DD07-DD08 | 56584-56585 | 12024 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DD09-DD0B | 56586-56588 | 12025 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DD0D | 56589 | 12026 | 0 | | Reserved | | | F51 | R | |
| DD0D-DD0E | 56590-56591 | 12027 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DD0F-DD10 | 56592-56593 | 12028 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DD11-DD12 | 56594-56595 | 12029 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DD13-DD14 | 56596-56597 | 12030 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DD15-DD17 | 56598-56600 | 12031 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DD19 | 56601 | 12032 | 0 | | Reserved | | | F51 | R | |
| DD19-DD1A | 56602-56603 | 12033 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DD1B-DD1C | 56604-56605 | 12034 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DD1D-DD1E | 56606-56607 | 12035 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DD1F-DD20 | 56608-56609 | 12036 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DD21-DD23 | 56610-56612 | 12037 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DD25 | 56613 | 12038 | 0 | | Reserved | | | F51 | R | |
| DD25-DD26 | 56614-56615 | 12039 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DD27-DD28 | 56616-56617 | 12040 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DD29-DD2A | 56618-56619 | 12041 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DD2B-DD2C | 56620-56621 | 12042 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DD2D-DD2F | 56622-56624 | 12043 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DD31 | 56625 | 12044 | 0 | | Reserved | | | F51 | R | |
| DD31-DD32 | 56626-56627 | 12045 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DD33-DD34 | 56628-56629 | 12046 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DD35-DD36 | 56630-56631 | 12047 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DD37-DD38 | 56632-56633 | 12048 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DD39-DD3B | 56634-56636 | 12049 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DD3D | 56637 | 12050 | 0 | | Reserved | | | F51 | R | |
| DD3D-DD3E | 56638-56639 | 12051 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DD3F-DD40 | 56640-56641 | 12052 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DD41-DD42 | 56642-56643 | 12053 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DD43-DD44 | 56644-56645 | 12054 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DD45-DD47 | 56646-56648 | 12055 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DD49 | 56649 | 12056 | 0 | | Reserved | | | F51 | R | |
| DD49-DD4A | 56650-56651 | 12057 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DD4B-DD4C | 56652-56653 | 12058 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DD4D-DD4E | 56654-56655 | 12059 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DD4F-DD50 | 56656-56657 | 12060 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DD51-DD53 | 56658-56660 | 12061 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DD55 | 56661 | 12062 | 0 | | Reserved | | | F51 | R | |
| DD55-DD56 | 56662-56663 | 12063 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DD57-DD58 | 56664-56665 | 12064 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DD59-DD5A | 56666-56667 | 12065 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DD5B-DD5C | 56668-56669 | 12066 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DD5D-DD5F | 56670-56672 | 12067 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DD61 | 56673 | 12068 | 0 | | Reserved | | | F51 | R | |
| DD61-DD62 | 56674-56675 | 12069 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DD63-DD64 | 56676-56677 | 12070 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DD65-DD66 | 56678-56679 | 12071 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DD67-DD68 | 56680-56681 | 12072 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DD69-DD6B | 56682-56684 | 12073 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DD6D | 56685 | 12074 | 0 | | Reserved | | | F51 | R | |
| DD6D-DD6E | 56686-56687 | 12075 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DD6F-DD70 | 56688-56689 | 12076 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DD71-DD72 | 56690-56691 | 12077 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DD73-DD74 | 56692-56693 | 12078 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DD75-DD77 | 56694-56696 | 12079 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DD79 | 56697 | 12080 | 0 | | Reserved | | | F51 | R | |
| DD79-DD7A | 56698-56699 | 12081 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DD7B-DD7C | 56700-56701 | 12082 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DD7D-DD7E | 56702-56703 | 12083 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DD7F-DD80 | 56704-56705 | 12084 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DD81-DD83 | 56706-56708 | 12085 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DD85 | 56709 | 12086 | 0 | | Reserved | | | F51 | R | |
| DD85-DD86 | 56710-56711 | 12087 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DD87-DD88 | 56712-56713 | 12088 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DD89-DD8A | 56714-56715 | 12089 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DD8B-DD8C | 56716-56717 | 12090 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DD8D-DD8F | 56718-56720 | 12091 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DD91 | 56721 | 12092 | 0 | | Reserved | | | F51 | R | |
| DD91-DD92 | 56722-56723 | 12093 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DD93-DD94 | 56724-56725 | 12094 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DD95-DD96 | 56726-56727 | 12095 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DD97-DD98 | 56728-56729 | 12096 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DD99-DD9B | 56730-56732 | 12097 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DD9D | 56733 | 12098 | 0 | | Reserved | | | F51 | R | |
| DD9D-DD9E | 56734-56735 | 12099 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DD9F-DDA0 | 56736-56737 | 12100 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DDA1-DDA2 | 56738-56739 | 12101 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DDA3-DDA4 | 56740-56741 | 12102 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DDA5-DDA7 | 56742-56744 | 12103 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DDA9 | 56745 | 12104 | 0 | | Reserved | | | F51 | R | |
| DDA9-DDAA | 56746-56747 | 12105 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DDAB-DDAC | 56748-56749 | 12106 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DDAD-DDAE | 56750-56751 | 12107 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DDAF-DDB0 | 56752-56753 | 12108 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DDB1-DDB3 | 56754-56756 | 12109 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DDB5 | 56757 | 12110 | 0 | | Reserved | | | F51 | R | |
| DDB5-DDB6 | 56758-56759 | 12111 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Whole Month, Tier 3 | | | | | |
| DDB7-DDB8 | 56760-56761 | 12112 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DDB9-DDBA | 56762-56763 | 12113 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DDBB-DDBC | 56764-56765 | 12114 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DDBD-DDBF | 56766-56768 | 12115 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DDC1 | 56769 | 12116 | 0 | | Reserved | | | F51 | R | |
| DDC1-DDC2 | 56770-56771 | 12117 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DDC3-DDC4 | 56772-56773 | 12118 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DDC5-DDC6 | 56774-56775 | 12119 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DDC7-DDC8 | 56776-56777 | 12120 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DDC9-DDCB | 56778-56780 | 12121 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DDCD | 56781 | 12122 | 0 | | Reserved | | | F51 | R | |
| DDCD-DDCE | 56782-56783 | 12123 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DDCF-DDD0 | 56784-56785 | 12124 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DDD1-DDD2 | 56786-56787 | 12125 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DDD3-DDD4 | 56788-56789 | 12126 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DDD5-DDD7 | 56790-56792 | 12127 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DDD9 | 56793 | 12128 | 0 | | Reserved | | | F51 | R | |
| DDD9-DDDA | 56794-56795 | 12129 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DDDB-DDDC | 56796-56797 | 12130 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DDDD-DDDE | 56798-56799 | 12131 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DDDF-DDE0 | 56800-56801 | 12132 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DDE1-DDE3 | 56802-56804 | 12133 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DDE5 | 56805 | 12134 | 0 | | Reserved | | | F51 | R | |
| DDE5-DDE6 | 56806-56807 | 12135 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DDE7-DDE8 | 56808-56809 | 12136 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DDE9-DDEA | 56810-56811 | 12137 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DDEB-DDEC | 56812-56813 | 12138 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DDED-DDEF | 56814-56816 | 12139 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DDF1 | 56817 | 12140 | 0 | | Reserved | | | F51 | R | |
| DDF1-DDF2 | 56818-56819 | 12141 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DDF3-DDF4 | 56820-56821 | 12142 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DDF5-DDF6 | 56822-56823 | 12143 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DDF7-DDF8 | 56824-56825 | 12144 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DDF9-DDFB | 56826-56828 | 12145 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DDFD | 56829 | 12146 | 0 | | Reserved | | | F51 | R | |
| DDFD-DDFE | 56830-56831 | 12147 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DDFF-DE00 | 56832-56833 | 12148 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DE01-DE02 | 56834-56835 | 12149 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DE03-DE04 | 56836-56837 | 12150 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DE05-DE07 | 56838-56840 | 12151 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DE09 | 56841 | 12152 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DE09-DE0A | 56842-56843 | 12153 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DE0B-DE0C | 56844-56845 | 12154 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DE0D-DE0E | 56846-56847 | 12155 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DE0F-DE10 | 56848-56849 | 12156 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DE11-DE13 | 56850-56852 | 12157 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DE15 | 56853 | 12158 | 0 | | Reserved | | | F51 | R | |
| DE15-DE16 | 56854-56855 | 12159 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DE17-DE18 | 56856-56857 | 12160 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DE19-DE1A | 56858-56859 | 12161 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DE1B-DE1C | 56860-56861 | 12162 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DE1D-DE1F | 56862-56864 | 12163 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DE21 | 56865 | 12164 | 0 | | Reserved | | | F51 | R | |
| DE21-DE22 | 56866-56867 | 12165 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DE23-DE24 | 56868-56869 | 12166 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DE25-DE26 | 56870-56871 | 12167 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DE27-DE28 | 56872-56873 | 12168 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DE29-DE2B | 56874-56876 | 12169 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DE2D | 56877 | 12170 | 0 | | Reserved | | | F51 | R | |
| DE2D-DE2E | 56878-56879 | 12171 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DE2F-DE30 | 56880-56881 | 12172 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DE31-DE32 | 56882-56883 | 12173 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DE33-DE34 | 56884-56885 | 12174 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DE35-DE37 | 56886-56888 | 12175 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DE39 | 56889 | 12176 | 0 | | Reserved | | | F51 | R | |
| DE39-DE3A | 56890-56891 | 12177 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DE3B-DE3C | 56892-56893 | 12178 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DE3D-DE3E | 56894-56895 | 12179 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DE3F-DE40 | 56896-56897 | 12180 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DE41-DE43 | 56898-56900 | 12181 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DE45 | 56901 | 12182 | 0 | | Reserved | | | F51 | R | |
| DE45-DE46 | 56902-56903 | 12183 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DE47-DE48 | 56904-56905 | 12184 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DE49-DE4A | 56906-56907 | 12185 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DE4B-DE4C | 56908-56909 | 12186 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DE4D-DE4F | 56910-56912 | 12187 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DE51 | 56913 | 12188 | 0 | | Reserved | | | F51 | R | |
| DE51-DE52 | 56914-56915 | 12189 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DE53-DE54 | 56916-56917 | 12190 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DE55-DE56 | 56918-56919 | 12191 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DE57-DE58 | 56920-56921 | 12192 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DE59-DE5B | 56922-56924 | 12193 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DE5D | 56925 | 12194 | 0 | | Reserved | | | F51 | R | |
| DE5D-DE5E | 56926-56927 | 12195 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DE5F-DE60 | 56928-56929 | 12196 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DE61-DE62 | 56930-56931 | 12197 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DE63-DE64 | 56932-56933 | 12198 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DE65-DE67 | 56934-56936 | 12199 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DE69 | 56937 | 12200 | 0 | | Reserved | | | F51 | R | |
| DE69-DE6A | 56938-56939 | 12201 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DE6B-DE6C | 56940-56941 | 12202 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DE6D-DE6E | 56942-56943 | 12203 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DE6F-DE70 | 56944-56945 | 12204 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DE71-DE73 | 56946-56948 | 12205 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DE75 | 56949 | 12206 | 0 | | Reserved | | | F51 | R | |
| DE75-DE76 | 56950-56951 | 12207 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Whole Month, Tier 4 | | | | | |
| DE77-DE78 | 56952-56953 | 12208 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DE79-DE7A | 56954-56955 | 12209 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DE7B-DE7C | 56956-56957 | 12210 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DE7D-DE7F | 56958-56960 | 12211 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DE81 | 56961 | 12212 | 0 | | Reserved | | | F51 | R | |
| DE81-DE82 | 56962-56963 | 12213 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DE83-DE84 | 56964-56965 | 12214 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DE85-DE86 | 56966-56967 | 12215 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DE87-DE88 | 56968-56969 | 12216 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DE89-DE8B | 56970-56972 | 12217 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DE8D | 56973 | 12218 | 0 | | Reserved | | | F51 | R | |
| DE8D-DE8E | 56974-56975 | 12219 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DE8F-DE90 | 56976-56977 | 12220 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DE91-DE92 | 56978-56979 | 12221 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DE93-DE94 | 56980-56981 | 12222 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DE95-DE97 | 56982-56984 | 12223 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DE99 | 56985 | 12224 | 0 | | Reserved | | | F51 | R | |
| DE99-DE9A | 56986-56987 | 12225 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DE9B-DE9C | 56988-56989 | 12226 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DE9D-DE9E | 56990-56991 | 12227 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DE9F-DEA0 | 56992-56993 | 12228 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| DEA1-DEA3 | 56994-56996 | 12229 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DEA5 | 56997 | 12230 | 0 | | Reserved | | | F51 | R | |
| DEA5-DEA6 | 56998-56999 | 12231 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DEA7-DEA8 | 57000-57001 | 12232 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DEA9-DEAA | 57002-57003 | 12233 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DEAB-DEAC | 57004-57005 | 12234 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DEAD-DEAF | 57006-57008 | 12235 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DEB1 | 57009 | 12236 | 0 | | Reserved | | | F51 | R | |
| DEB1-DEB2 | 57010-57011 | 12237 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DEB3-DEB4 | 57012-57013 | 12238 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DEB5-DEB6 | 57014-57015 | 12239 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DEB7-DEB8 | 57016-57017 | 12240 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DEB9-DEBB | 57018-57020 | 12241 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DEBD | 57021 | 12242 | 0 | | Reserved | | | F51 | R | |
| DEBD-DEBE | 57022-57023 | 12243 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DEBF-DEC0 | 57024-57025 | 12244 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DEC1-DEC2 | 57026-57027 | 12245 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DEC3-DEC4 | 57028-57029 | 12246 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DEC5-DEC7 | 57030-57032 | 12247 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DEC9 | 57033 | 12248 | 0 | | Reserved | | | F51 | R | |
| DEC9-DECA | 57034-57035 | 12249 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DECB-DECC | 57036-57037 | 12250 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DECD-DECE | 57038-57039 | 12251 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DECF-DED0 | 57040-57041 | 12252 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DED1-DED3 | 57042-57044 | 12253 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DED5 | 57045 | 12254 | 0 | | Reserved | | | F51 | R | |
| DED5-DED6 | 57046-57047 | 12255 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DED7-DED8 | 57048-57049 | 12256 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DED9-DEDA | 57050-57051 | 12257 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| DEDB-DEDC | 57052-57053 | 12258 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DEDD-DEDF | 57054-57056 | 12259 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DEE1 | 57057 | 12260 | 0 | | Reserved | | | F51 | R | |
| DEE1-DEE2 | 57058-57059 | 12261 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DEE3-DEE4 | 57060-57061 | 12262 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DEE5-DEE6 | 57062-57063 | 12263 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DEE7-DEE8 | 57064-57065 | 12264 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DEE9-DEEB | 57066-57068 | 12265 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DEED | 57069 | 12266 | 0 | | Reserved | | | F51 | R | |
| DEED-DEEE | 57070-57071 | 12267 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DEEF-DEF0 | 57072-57073 | 12268 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DEF1-DEF2 | 57074-57075 | 12269 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DEF3-DEF4 | 57076-57077 | 12270 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DEF5-DEF7 | 57078-57080 | 12271 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DEF9 | 57081 | 12272 | 0 | | Reserved | | | F51 | R | |
| DEF9-DEFA | 57082-57083 | 12273 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DEFB-DEFC | 57084-57085 | 12274 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DEFD-DEFE | 57086-57087 | 12275 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DEFF-DF00 | 57088-57089 | 12276 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DF01-DF03 | 57090-57092 | 12277 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DF05 | 57093 | 12278 | 0 | | Reserved | | | F51 | R | |
| DF05-DF06 | 57094-57095 | 12279 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DF07-DF08 | 57096-57097 | 12280 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DF09-DF0A | 57098-57099 | 12281 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DF0B-DF0C | 57100-57101 | 12282 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DF0D-DF0F | 57102-57104 | 12283 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DF11 | 57105 | 12284 | 0 | | Reserved | | | F51 | R | |
| DF11-DF12 | 57106-57107 | 12285 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DF13-DF14 | 57108-57109 | 12286 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| DF15-DF16 | 57110-57111 | 12287 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DF17-DF18 | 57112-57113 | 12288 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DF19-DF1B | 57114-57116 | 12289 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DF1D | 57117 | 12290 | 0 | | Reserved | | | F51 | R | |
| DF1D-DF1E | 57118-57119 | 12291 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DF1F-DF20 | 57120-57121 | 12292 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DF21-DF22 | 57122-57123 | 12293 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DF23-DF24 | 57124-57125 | 12294 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DF25-DF27 | 57126-57128 | 12295 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DF29 | 57129 | 12296 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DF29-DF2A | 57130-57131 | 12297 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DF2B-DF2C | 57132-57133 | 12298 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DF2D-DF2E | 57134-57135 | 12299 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DF2F-DF30 | 57136-57137 | 12300 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DF31-DF33 | 57138-57140 | 12301 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DF35 | 57141 | 12302 | 0 | | Reserved | | | F51 | R | |
| DF35-DF36 | 57142-57143 | 12303 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Month, Initial Season, Tier 0 | | | | | |
| DF37-DF38 | 57144-57145 | 12304 | 57144 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DF39-DF3A | 57146-57147 | 12305 | 57146 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DF3B-DF3C | 57148-57149 | 12306 | 57148 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DF3D-DF3F | 57150-57152 | 12307 | 57150 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| DF41 | 57153 | 12308 | 57153 | | Reserved | | | F51 | R | |
| DF41-DF42 | 57154-57155 | 12309 | 57154 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| DF43-DF44 | 57156-57157 | 12310 | 57156 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| DF45-DF46 | 57158-57159 | 12311 | 57158 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| DF47-DF48 | 57160-57161 | 12312 | 57160 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| DF49-DF4B | 57162-57164 | 12313 | 57162 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| DF4D | 57165 | 12314 | 57165 | | Reserved | | | F51 | R | |
| DF4D-DF4E | 57166-57167 | 12315 | 57166 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| DF4F-DF50 | 57168-57169 | 12316 | 57168 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| DF51-DF52 | 57170-57171 | 12317 | 57170 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| DF53-DF54 | 57172-57173 | 12318 | 57172 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| DF55-DF57 | 57174-57176 | 12319 | 57174 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| DF59 | 57177 | 12320 | 57177 | | Reserved | | | F51 | R | |
| DF59-DF5A | 57178-57179 | 12321 | 57178 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| DF5B-DF5C | 57180-57181 | 12322 | 57180 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| DF5D-DF5E | 57182-57183 | 12323 | 57182 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| DF5F-DF60 | 57184-57185 | 12324 | 57184 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DF61-DF63 | 57186-57188 | 12325 | 57186 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| DF65 | 57189 | 12326 | 57189 | | Reserved | | | F51 | R | |
| DF65-DF66 | 57190-57191 | 12327 | 57190 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| DF67-DF68 | 57192-57193 | 12328 | 57192 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| DF69-DF6A | 57194-57195 | 12329 | 57194 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| DF6B-DF6C | 57196-57197 | 12330 | 57196 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| DF6D-DF6F | 57198-57200 | 12331 | 57198 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| DF71 | 57201 | 12332 | 57201 | | Reserved | | | F51 | R | |
| DF71-DF72 | 57202-57203 | 12333 | 57202 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| DF73-DF74 | 57204-57205 | 12334 | 57204 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| DF75-DF76 | 57206-57207 | 12335 | 57206 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| DF77-DF78 | 57208-57209 | 12336 | 57208 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| DF79-DF7B | 57210-57212 | 12337 | 57210 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| DF7D | 57213 | 12338 | 57213 | | Reserved | | | F51 | R | |
| DF7D-DF7E | 57214-57215 | 12339 | 57214 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| DF7F-DF80 | 57216-57217 | 12340 | 57216 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| DF81-DF82 | 57218-57219 | 12341 | 57218 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| DF83-DF84 | 57220-57221 | 12342 | 57220 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| DF85-DF87 | 57222-57224 | 12343 | 57222 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| DF89 | 57225 | 12344 | 57225 | | Reserved | | | F51 | R | |
| DF89-DF8A | 57226-57227 | 12345 | 57226 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| DF8B-DF8C | 57228-57229 | 12346 | 57228 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| DF8D-DF8E | 57230-57231 | 12347 | 57230 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| DF8F-DF90 | 57232-57233 | 12348 | 57232 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| DF91-DF93 | 57234-57236 | 12349 | 57234 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| DF95 | 57237 | 12350 | 57237 | | Reserved | | | F51 | R | |
| DF95-DF96 | 57238-57239 | 12351 | 57238 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| DF97-DF98 | 57240-57241 | 12352 | 57240 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| DF99-DF9A | 57242-57243 | 12353 | 57242 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DF9B-DF9C | 57244-57245 | 12354 | 57244 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| DF9D-DF9F | 57246-57248 | 12355 | 57246 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| DFA1 | 57249 | 12356 | 57249 | | Reserved | | | F51 | R | |
| DFA1-DFA2 | 57250-57251 | 12357 | 57250 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| DFA3-DFA4 | 57252-57253 | 12358 | 57252 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| DFA5-DFA6 | 57254-57255 | 12359 | 57254 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| DFA7-DFA8 | 57256-57257 | 12360 | 57256 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| DFA9-DFAB | 57258-57260 | 12361 | 57258 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| DFAD | 57261 | 12362 | 57261 | | Reserved | | | F51 | R | |
| DFAD-DFAE | 57262-57263 | 12363 | 57262 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| DFAF-DFB0 | 57264-57265 | 12364 | 57264 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| DFB1-DFB2 | 57266-57267 | 12365 | 57266 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| DFB3-DFB4 | 57268-57269 | 12366 | 57268 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| DFB5-DFB7 | 57270-57272 | 12367 | 57270 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| DFB9 | 57273 | 12368 | 57273 | | Reserved | | | F51 | R | |
| DFB9-DFBA | 57274-57275 | 12369 | 57274 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| DFBB-DFBC | 57276-57277 | 12370 | 57276 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| DFBD-DFBE | 57278-57279 | 12371 | 57278 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| DFBF-DFC0 | 57280-57281 | 12372 | 57280 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| DFC1-DFC3 | 57282-57284 | 12373 | 57282 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| DFC5 | 57285 | 12374 | 57285 | | Reserved | | | F51 | R | |
| DFC5-DFC6 | 57286-57287 | 12375 | 57286 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| DFC7-DFC8 | 57288-57289 | 12376 | 57288 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| DFC9-DFCA | 57290-57291 | 12377 | 57290 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| DFCB-DFCC | 57292-57293 | 12378 | 57292 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| DFCD-DFCF | 57294-57296 | 12379 | 57294 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| DFD1 | 57297 | 12380 | 57297 | | Reserved | | | F51 | R | |
| DFD1-DFD2 | 57298-57299 | 12381 | 57298 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| DFD3-DFD4 | 57300-57301 | 12382 | 57300 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| DFD5-DFD6 | 57302-57303 | 12383 | 57302 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| DFD7-DFD8 | 57304-57305 | 12384 | 57304 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| DFD9-DFDB | 57306-57308 | 12385 | 57306 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| DFDD | 57309 | 12386 | 57309 | | Reserved | | | F51 | R | |
| DFDD-DFDE | 57310-57311 | 12387 | 57310 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| DFDF-DFE0 | 57312-57313 | 12388 | 57312 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| DFE1-DFE2 | 57314-57315 | 12389 | 57314 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| DFE3-DFE4 | 57316-57317 | 12390 | 57316 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| DFE5-DFE7 | 57318-57320 | 12391 | 57318 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| DFE9 | 57321 | 12392 | 57321 | | Reserved | | | F51 | R | |
| DFE9-DFEA | 57322-57323 | 12393 | 57322 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| DFEB-DFEC | 57324-57325 | 12394 | 57324 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| DFED-DFEE | 57326-57327 | 12395 | 57326 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| DFEF-DFF0 | 57328-57329 | 12396 | 57328 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| DFF1-DFF3 | 57330-57332 | 12397 | 57330 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| DFF5 | 57333 | 12398 | 57333 | | Reserved | | | F51 | R | |
| DFF5-DFF6 | 57334-57335 | 12399 | 57334 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Month, Initial Season, Tier 1 | | | | | |
| DFF7-DFF8 | 57336-57337 | 12400 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| DFF9-DFFA | 57338-57339 | 12401 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| DFFB-DFFC | 57340-57341 | 12402 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| DFFD-DFFF | 57342-57344 | 12403 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E001 | 57345 | 12404 | 0 | | Reserved | | | F51 | R | |
| E001-E002 | 57346-57347 | 12405 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E003-E004 | 57348-57349 | 12406 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E005-E006 | 57350-57351 | 12407 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E007-E008 | 57352-57353 | 12408 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E009-E00B | 57354-57356 | 12409 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E00D | 57357 | 12410 | 0 | | Reserved | | | F51 | R | |
| E00D-E00E | 57358-57359 | 12411 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E00F-E010 | 57360-57361 | 12412 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E011-E012 | 57362-57363 | 12413 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E013-E014 | 57364-57365 | 12414 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E015-E017 | 57366-57368 | 12415 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E019 | 57369 | 12416 | 0 | | Reserved | | | F51 | R | |
| E019-E01A | 57370-57371 | 12417 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E01B-E01C | 57372-57373 | 12418 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E01D-E01E | 57374-57375 | 12419 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E01F-E020 | 57376-57377 | 12420 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E021-E023 | 57378-57380 | 12421 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E025 | 57381 | 12422 | 0 | | Reserved | | | F51 | R | |
| E025-E026 | 57382-57383 | 12423 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E027-E028 | 57384-57385 | 12424 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E029-E02A | 57386-57387 | 12425 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E02B-E02C | 57388-57389 | 12426 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E02D-E02F | 57390-57392 | 12427 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E031 | 57393 | 12428 | 0 | | Reserved | | | F51 | R | |
| E031-E032 | 57394-57395 | 12429 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E033-E034 | 57396-57397 | 12430 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E035-E036 | 57398-57399 | 12431 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E037-E038 | 57400-57401 | 12432 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E039-E03B | 57402-57404 | 12433 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E03D | 57405 | 12434 | 0 | | Reserved | | | F51 | R | |
| E03D-E03E | 57406-57407 | 12435 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E03F-E040 | 57408-57409 | 12436 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E041-E042 | 57410-57411 | 12437 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E043-E044 | 57412-57413 | 12438 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E045-E047 | 57414-57416 | 12439 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E049 | 57417 | 12440 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E049-E04A | 57418-57419 | 12441 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E04B-E04C | 57420-57421 | 12442 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E04D-E04E | 57422-57423 | 12443 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E04F-E050 | 57424-57425 | 12444 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E051-E053 | 57426-57428 | 12445 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E055 | 57429 | 12446 | 0 | | Reserved | | | F51 | R | |
| E055-E056 | 57430-57431 | 12447 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E057-E058 | 57432-57433 | 12448 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E059-E05A | 57434-57435 | 12449 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E05B-E05C | 57436-57437 | 12450 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E05D-E05F | 57438-57440 | 12451 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E061 | 57441 | 12452 | 0 | | Reserved | | | F51 | R | |
| E061-E062 | 57442-57443 | 12453 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E063-E064 | 57444-57445 | 12454 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E065-E066 | 57446-57447 | 12455 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E067-E068 | 57448-57449 | 12456 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E069-E06B | 57450-57452 | 12457 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E06D | 57453 | 12458 | 0 | | Reserved | | | F51 | R | |
| E06D-E06E | 57454-57455 | 12459 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E06F-E070 | 57456-57457 | 12460 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E071-E072 | 57458-57459 | 12461 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E073-E074 | 57460-57461 | 12462 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E075-E077 | 57462-57464 | 12463 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E079 | 57465 | 12464 | 0 | | Reserved | | | F51 | R | |
| E079-E07A | 57466-57467 | 12465 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E07B-E07C | 57468-57469 | 12466 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E07D-E07E | 57470-57471 | 12467 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E07F-E080 | 57472-57473 | 12468 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E081-E083 | 57474-57476 | 12469 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E085 | 57477 | 12470 | 0 | | Reserved | | | F51 | R | |
| E085-E086 | 57478-57479 | 12471 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E087-E088 | 57480-57481 | 12472 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E089-E08A | 57482-57483 | 12473 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E08B-E08C | 57484-57485 | 12474 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E08D-E08F | 57486-57488 | 12475 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E091 | 57489 | 12476 | 0 | | Reserved | | | F51 | R | |
| E091-E092 | 57490-57491 | 12477 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E093-E094 | 57492-57493 | 12478 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E095-E096 | 57494-57495 | 12479 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E097-E098 | 57496-57497 | 12480 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E099-E09B | 57498-57500 | 12481 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E09D | 57501 | 12482 | 0 | | Reserved | | | F51 | R | |
| E09D-E09E | 57502-57503 | 12483 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E09F-E0A0 | 57504-57505 | 12484 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E0A1-E0A2 | 57506-57507 | 12485 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E0A3-E0A4 | 57508-57509 | 12486 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E0A5-E0A7 | 57510-57512 | 12487 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E0A9 | 57513 | 12488 | 0 | | Reserved | | | F51 | R | |
| E0A9-E0AA | 57514-57515 | 12489 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E0AB-E0AC | 57516-57517 | 12490 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E0AD-E0AE | 57518-57519 | 12491 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E0AF-E0B0 | 57520-57521 | 12492 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E0B1-E0B3 | 57522-57524 | 12493 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E0B5 | 57525 | 12494 | 0 | | Reserved | | | F51 | R | |
| E0B5-E0B6 | 57526-57527 | 12495 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Initial Season, Tier 2 | | | | | |
| E0B7-E0B8 | 57528-57529 | 12496 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E0B9-E0BA | 57530-57531 | 12497 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E0BB-E0BC | 57532-57533 | 12498 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E0BD-E0BF | 57534-57536 | 12499 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E0C1 | 57537 | 12500 | 0 | | Reserved | | | F51 | R | |
| E0C1-E0C2 | 57538-57539 | 12501 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E0C3-E0C4 | 57540-57541 | 12502 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E0C5-E0C6 | 57542-57543 | 12503 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E0C7-E0C8 | 57544-57545 | 12504 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E0C9-E0CB | 57546-57548 | 12505 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E0CD | 57549 | 12506 | 0 | | Reserved | | | F51 | R | |
| E0CD-E0CE | 57550-57551 | 12507 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E0CF-E0D0 | 57552-57553 | 12508 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E0D1-E0D2 | 57554-57555 | 12509 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E0D3-E0D4 | 57556-57557 | 12510 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E0D5-E0D7 | 57558-57560 | 12511 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E0D9 | 57561 | 12512 | 0 | | Reserved | | | F51 | R | |
| E0D9-E0DA | 57562-57563 | 12513 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E0DB-E0DC | 57564-57565 | 12514 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E0DD-E0DE | 57566-57567 | 12515 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E0DF-E0E0 | 57568-57569 | 12516 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E0E1-E0E3 | 57570-57572 | 12517 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E0E5 | 57573 | 12518 | 0 | | Reserved | | | F51 | R | |
| E0E5-E0E6 | 57574-57575 | 12519 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E0E7-E0E8 | 57576-57577 | 12520 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E0E9-E0EA | 57578-57579 | 12521 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E0EB-E0EC | 57580-57581 | 12522 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E0ED-E0EF | 57582-57584 | 12523 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E0F1 | 57585 | 12524 | 0 | | Reserved | | | F51 | R | |
| E0F1-E0F2 | 57586-57587 | 12525 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E0F3-E0F4 | 57588-57589 | 12526 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E0F5-E0F6 | 57590-57591 | 12527 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E0F7-E0F8 | 57592-57593 | 12528 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E0F9-E0FB | 57594-57596 | 12529 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E0FD | 57597 | 12530 | 0 | | Reserved | | | F51 | R | |
| E0FD-E0FE | 57598-57599 | 12531 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E0FF-E100 | 57600-57601 | 12532 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E101-E102 | 57602-57603 | 12533 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E103-E104 | 57604-57605 | 12534 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E105-E107 | 57606-57608 | 12535 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E109 | 57609 | 12536 | 0 | | Reserved | | | F51 | R | |
| E109-E10A | 57610-57611 | 12537 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E10B-E10C | 57612-57613 | 12538 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E10D-E10E | 57614-57615 | 12539 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E10F-E110 | 57616-57617 | 12540 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E111-E113 | 57618-57620 | 12541 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E115 | 57621 | 12542 | 0 | | Reserved | | | F51 | R | |
| E115-E116 | 57622-57623 | 12543 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E117-E118 | 57624-57625 | 12544 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E119-E11A | 57626-57627 | 12545 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E11B-E11C | 57628-57629 | 12546 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E11D-E11F | 57630-57632 | 12547 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E121 | 57633 | 12548 | 0 | | Reserved | | | F51 | R | |
| E121-E122 | 57634-57635 | 12549 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E123-E124 | 57636-57637 | 12550 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E125-E126 | 57638-57639 | 12551 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E127-E128 | 57640-57641 | 12552 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E129-E12B | 57642-57644 | 12553 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E12D | 57645 | 12554 | 0 | | Reserved | | | F51 | R | |
| E12D-E12E | 57646-57647 | 12555 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E12F-E130 | 57648-57649 | 12556 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E131-E132 | 57650-57651 | 12557 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E133-E134 | 57652-57653 | 12558 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E135-E137 | 57654-57656 | 12559 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E139 | 57657 | 12560 | 0 | | Reserved | | | F51 | R | |
| E139-E13A | 57658-57659 | 12561 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E13B-E13C | 57660-57661 | 12562 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E13D-E13E | 57662-57663 | 12563 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E13F-E140 | 57664-57665 | 12564 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E141-E143 | 57666-57668 | 12565 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E145 | 57669 | 12566 | 0 | | Reserved | | | F51 | R | |
| E145-E146 | 57670-57671 | 12567 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E147-E148 | 57672-57673 | 12568 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E149-E14A | 57674-57675 | 12569 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E14B-E14C | 57676-57677 | 12570 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E14D-E14F | 57678-57680 | 12571 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E151 | 57681 | 12572 | 0 | | Reserved | | | F51 | R | |
| E151-E152 | 57682-57683 | 12573 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E153-E154 | 57684-57685 | 12574 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E155-E156 | 57686-57687 | 12575 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E157-E158 | 57688-57689 | 12576 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E159-E15B | 57690-57692 | 12577 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E15D | 57693 | 12578 | 0 | | Reserved | | | F51 | R | |
| E15D-E15E | 57694-57695 | 12579 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E15F-E160 | 57696-57697 | 12580 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E161-E162 | 57698-57699 | 12581 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E163-E164 | 57700-57701 | 12582 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E165-E167 | 57702-57704 | 12583 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E169 | 57705 | 12584 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E169-E16A | 57706-57707 | 12585 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E16B-E16C | 57708-57709 | 12586 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E16D-E16E | 57710-57711 | 12587 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E16F-E170 | 57712-57713 | 12588 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E171-E173 | 57714-57716 | 12589 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E175 | 57717 | 12590 | 0 | | Reserved | | | F51 | R | |
| E175-E176 | 57718-57719 | 12591 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Initial Season, Tier 3 | | | | | |
| E177-E178 | 57720-57721 | 12592 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E179-E17A | 57722-57723 | 12593 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E17B-E17C | 57724-57725 | 12594 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E17D-E17F | 57726-57728 | 12595 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E181 | 57729 | 12596 | 0 | | Reserved | | | F51 | R | |
| E181-E182 | 57730-57731 | 12597 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E183-E184 | 57732-57733 | 12598 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E185-E186 | 57734-57735 | 12599 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E187-E188 | 57736-57737 | 12600 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E189-E18B | 57738-57740 | 12601 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E18D | 57741 | 12602 | 0 | | Reserved | | | F51 | R | |
| E18D-E18E | 57742-57743 | 12603 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E18F-E190 | 57744-57745 | 12604 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E191-E192 | 57746-57747 | 12605 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E193-E194 | 57748-57749 | 12606 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E195-E197 | 57750-57752 | 12607 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E199 | 57753 | 12608 | 0 | | Reserved | | | F51 | R | |
| E199-E19A | 57754-57755 | 12609 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E19B-E19C | 57756-57757 | 12610 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E19D-E19E | 57758-57759 | 12611 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E19F-E1A0 | 57760-57761 | 12612 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E1A1-E1A3 | 57762-57764 | 12613 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E1A5 | 57765 | 12614 | 0 | | Reserved | | | F51 | R | |
| E1A5-E1A6 | 57766-57767 | 12615 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E1A7-E1A8 | 57768-57769 | 12616 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E1A9-E1AA | 57770-57771 | 12617 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E1AB-E1AC | 57772-57773 | 12618 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E1AD-E1AF | 57774-57776 | 12619 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E1B1 | 57777 | 12620 | 0 | | Reserved | | | F51 | R | |
| E1B1-E1B2 | 57778-57779 | 12621 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E1B3-E1B4 | 57780-57781 | 12622 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E1B5-E1B6 | 57782-57783 | 12623 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E1B7-E1B8 | 57784-57785 | 12624 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E1B9-E1BB | 57786-57788 | 12625 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E1BD | 57789 | 12626 | 0 | | Reserved | | | F51 | R | |
| E1BD-E1BE | 57790-57791 | 12627 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E1BF-E1C0 | 57792-57793 | 12628 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E1C1-E1C2 | 57794-57795 | 12629 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E1C3-E1C4 | 57796-57797 | 12630 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E1C5-E1C7 | 57798-57800 | 12631 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E1C9 | 57801 | 12632 | 0 | | Reserved | | | F51 | R | |
| E1C9-E1CA | 57802-57803 | 12633 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E1CB-E1CC | 57804-57805 | 12634 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E1CD-E1CE | 57806-57807 | 12635 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E1CF-E1D0 | 57808-57809 | 12636 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E1D1-E1D3 | 57810-57812 | 12637 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E1D5 | 57813 | 12638 | 0 | | Reserved | | | F51 | R | |
| E1D5-E1D6 | 57814-57815 | 12639 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E1D7-E1D8 | 57816-57817 | 12640 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E1D9-E1DA | 57818-57819 | 12641 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E1DB-E1DC | 57820-57821 | 12642 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E1DD-E1DF | 57822-57824 | 12643 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E1E1 | 57825 | 12644 | 0 | | Reserved | | | F51 | R | |
| E1E1-E1E2 | 57826-57827 | 12645 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E1E3-E1E4 | 57828-57829 | 12646 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E1E5-E1E6 | 57830-57831 | 12647 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E1E7-E1E8 | 57832-57833 | 12648 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E1E9-E1EB | 57834-57836 | 12649 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E1ED | 57837 | 12650 | 0 | | Reserved | | | F51 | R | |
| E1ED-E1EE | 57838-57839 | 12651 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E1EF-E1F0 | 57840-57841 | 12652 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E1F1-E1F2 | 57842-57843 | 12653 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E1F3-E1F4 | 57844-57845 | 12654 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E1F5-E1F7 | 57846-57848 | 12655 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E1F9 | 57849 | 12656 | 0 | | Reserved | | | F51 | R | |
| E1F9-E1FA | 57850-57851 | 12657 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E1FB-E1FC | 57852-57853 | 12658 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E1FD-E1FE | 57854-57855 | 12659 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E1FF-E200 | 57856-57857 | 12660 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E201-E203 | 57858-57860 | 12661 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E205 | 57861 | 12662 | 0 | | Reserved | | | F51 | R | |
| E205-E206 | 57862-57863 | 12663 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E207-E208 | 57864-57865 | 12664 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E209-E20A | 57866-57867 | 12665 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E20B-E20C | 57868-57869 | 12666 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E20D-E20F | 57870-57872 | 12667 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E211 | 57873 | 12668 | 0 | | Reserved | | | F51 | R | |
| E211-E212 | 57874-57875 | 12669 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E213-E214 | 57876-57877 | 12670 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E215-E216 | 57878-57879 | 12671 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E217-E218 | 57880-57881 | 12672 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E219-E21B | 57882-57884 | 12673 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E21D | 57885 | 12674 | 0 | | Reserved | | | F51 | R | |
| E21D-E21E | 57886-57887 | 12675 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E21F-E220 | 57888-57889 | 12676 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E221-E222 | 57890-57891 | 12677 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E223-E224 | 57892-57893 | 12678 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E225-E227 | 57894-57896 | 12679 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E229 | 57897 | 12680 | 0 | | Reserved | | | F51 | R | |
| E229-E22A | 57898-57899 | 12681 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E22B-E22C | 57900-57901 | 12682 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E22D-E22E | 57902-57903 | 12683 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E22F-E230 | 57904-57905 | 12684 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E231-E233 | 57906-57908 | 12685 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E235 | 57909 | 12686 | 0 | | Reserved | | | F51 | R | |
| E235-E236 | 57910-57911 | 12687 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Initial Season, Tier 4 | | | | | |
| E237-E238 | 57912-57913 | 12688 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E239-E23A | 57914-57915 | 12689 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E23B-E23C | 57916-57917 | 12690 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E23D-E23F | 57918-57920 | 12691 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E241 | 57921 | 12692 | 0 | | Reserved | | | F51 | R | |
| E241-E242 | 57922-57923 | 12693 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E243-E244 | 57924-57925 | 12694 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E245-E246 | 57926-57927 | 12695 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E247-E248 | 57928-57929 | 12696 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E249-E24B | 57930-57932 | 12697 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E24D | 57933 | 12698 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E24D-E24E | 57934-57935 | 12699 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E24F-E250 | 57936-57937 | 12700 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E251-E252 | 57938-57939 | 12701 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E253-E254 | 57940-57941 | 12702 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E255-E257 | 57942-57944 | 12703 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E259 | 57945 | 12704 | 0 | | Reserved | | | F51 | R | |
| E259-E25A | 57946-57947 | 12705 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E25B-E25C | 57948-57949 | 12706 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E25D-E25E | 57950-57951 | 12707 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E25F-E260 | 57952-57953 | 12708 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E261-E263 | 57954-57956 | 12709 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E265 | 57957 | 12710 | 0 | | Reserved | | | F51 | R | |
| E265-E266 | 57958-57959 | 12711 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E267-E268 | 57960-57961 | 12712 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E269-E26A | 57962-57963 | 12713 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E26B-E26C | 57964-57965 | 12714 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E26D-E26F | 57966-57968 | 12715 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E271 | 57969 | 12716 | 0 | | Reserved | | | F51 | R | |
| E271-E272 | 57970-57971 | 12717 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E273-E274 | 57972-57973 | 12718 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E275-E276 | 57974-57975 | 12719 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E277-E278 | 57976-57977 | 12720 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E279-E27B | 57978-57980 | 12721 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E27D | 57981 | 12722 | 0 | | Reserved | | | F51 | R | |
| E27D-E27E | 57982-57983 | 12723 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E27F-E280 | 57984-57985 | 12724 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E281-E282 | 57986-57987 | 12725 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E283-E284 | 57988-57989 | 12726 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E285-E287 | 57990-57992 | 12727 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E289 | 57993 | 12728 | 0 | | Reserved | | | F51 | R | |
| E289-E28A | 57994-57995 | 12729 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E28B-E28C | 57996-57997 | 12730 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E28D-E28E | 57998-57999 | 12731 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E28F-E290 | 58000-58001 | 12732 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E291-E293 | 58002-58004 | 12733 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E295 | 58005 | 12734 | 0 | | Reserved | | | F51 | R | |
| E295-E296 | 58006-58007 | 12735 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E297-E298 | 58008-58009 | 12736 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E299-E29A | 58010-58011 | 12737 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E29B-E29C | 58012-58013 | 12738 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E29D-E29F | 58014-58016 | 12739 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E2A1 | 58017 | 12740 | 0 | | Reserved | | | F51 | R | |
| E2A1-E2A2 | 58018-58019 | 12741 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E2A3-E2A4 | 58020-58021 | 12742 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E2A5-E2A6 | 58022-58023 | 12743 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E2A7-E2A8 | 58024-58025 | 12744 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E2A9-E2AB | 58026-58028 | 12745 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E2AD | 58029 | 12746 | 0 | | Reserved | | | F51 | R | |
| E2AD-E2AE | 58030-58031 | 12747 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E2AF-E2B0 | 58032-58033 | 12748 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E2B1-E2B2 | 58034-58035 | 12749 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E2B3-E2B4 | 58036-58037 | 12750 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E2B5-E2B7 | 58038-58040 | 12751 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E2B9 | 58041 | 12752 | 0 | | Reserved | | | F51 | R | |
| E2B9-E2BA | 58042-58043 | 12753 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E2BB-E2BC | 58044-58045 | 12754 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E2BD-E2BE | 58046-58047 | 12755 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E2BF-E2C0 | 58048-58049 | 12756 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E2C1-E2C3 | 58050-58052 | 12757 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E2C5 | 58053 | 12758 | 0 | | Reserved | | | F51 | R | |
| E2C5-E2C6 | 58054-58055 | 12759 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E2C7-E2C8 | 58056-58057 | 12760 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E2C9-E2CA | 58058-58059 | 12761 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E2CB-E2CC | 58060-58061 | 12762 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E2CD-E2CF | 58062-58064 | 12763 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E2D1 | 58065 | 12764 | 0 | | Reserved | | | F51 | R | |
| E2D1-E2D2 | 58066-58067 | 12765 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E2D3-E2D4 | 58068-58069 | 12766 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E2D5-E2D6 | 58070-58071 | 12767 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E2D7-E2D8 | 58072-58073 | 12768 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E2D9-E2DB | 58074-58076 | 12769 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E2DD | 58077 | 12770 | 0 | | Reserved | | | F51 | R | |
| E2DD-E2DE | 58078-58079 | 12771 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E2DF-E2E0 | 58080-58081 | 12772 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E2E1-E2E2 | 58082-58083 | 12773 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E2E3-E2E4 | 58084-58085 | 12774 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E2E5-E2E7 | 58086-58088 | 12775 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E2E9 | 58089 | 12776 | 0 | | Reserved | | | F51 | R | |
| E2E9-E2EA | 58090-58091 | 12777 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E2EB-E2EC | 58092-58093 | 12778 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E2ED-E2EE | 58094-58095 | 12779 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E2EF-E2F0 | 58096-58097 | 12780 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E2F1-E2F3 | 58098-58100 | 12781 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E2F5 | 58101 | 12782 | 0 | | Reserved | | | F51 | R | |
| E2F5-E2F6 | 58102-58103 | 12783 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Month, Final Season, Tier 0 | | | | | |
| E2F7-E2F8 | 58104-58105 | 12784 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E2F9-E2FA | 58106-58107 | 12785 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E2FB-E2FC | 58108-58109 | 12786 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E2FD-E2FF | 58110-58112 | 12787 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E301 | 58113 | 12788 | 0 | | Reserved | | | F51 | R | |
| E301-E302 | 58114-58115 | 12789 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E303-E304 | 58116-58117 | 12790 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E305-E306 | 58118-58119 | 12791 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E307-E308 | 58120-58121 | 12792 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E309-E30B | 58122-58124 | 12793 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E30D | 58125 | 12794 | 0 | | Reserved | | | F51 | R | |
| E30D-E30E | 58126-58127 | 12795 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E30F-E310 | 58128-58129 | 12796 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E311-E312 | 58130-58131 | 12797 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E313-E314 | 58132-58133 | 12798 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E315-E317 | 58134-58136 | 12799 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E319 | 58137 | 12800 | 0 | | Reserved | | | F51 | R | |
| E319-E31A | 58138-58139 | 12801 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E31B-E31C | 58140-58141 | 12802 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E31D-E31E | 58142-58143 | 12803 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E31F-E320 | 58144-58145 | 12804 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E321-E323 | 58146-58148 | 12805 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E325 | 58149 | 12806 | 0 | | Reserved | | | F51 | R | |
| E325-E326 | 58150-58151 | 12807 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E327-E328 | 58152-58153 | 12808 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E329-E32A | 58154-58155 | 12809 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E32B-E32C | 58156-58157 | 12810 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E32D-E32F | 58158-58160 | 12811 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E331 | 58161 | 12812 | 0 | | Reserved | | | F51 | R | |
| E331-E332 | 58162-58163 | 12813 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E333-E334 | 58164-58165 | 12814 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E335-E336 | 58166-58167 | 12815 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E337-E338 | 58168-58169 | 12816 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E339-E33B | 58170-58172 | 12817 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E33D | 58173 | 12818 | 0 | | Reserved | | | F51 | R | |
| E33D-E33E | 58174-58175 | 12819 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E33F-E340 | 58176-58177 | 12820 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E341-E342 | 58178-58179 | 12821 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E343-E344 | 58180-58181 | 12822 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E345-E347 | 58182-58184 | 12823 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E349 | 58185 | 12824 | 0 | | Reserved | | | F51 | R | |
| E349-E34A | 58186-58187 | 12825 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E34B-E34C | 58188-58189 | 12826 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E34D-E34E | 58190-58191 | 12827 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E34F-E350 | 58192-58193 | 12828 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E351-E353 | 58194-58196 | 12829 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E355 | 58197 | 12830 | 0 | | Reserved | | | F51 | R | |
| E355-E356 | 58198-58199 | 12831 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E357-E358 | 58200-58201 | 12832 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E359-E35A | 58202-58203 | 12833 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E35B-E35C | 58204-58205 | 12834 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E35D-E35F | 58206-58208 | 12835 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E361 | 58209 | 12836 | 0 | | Reserved | | | F51 | R | |
| E361-E362 | 58210-58211 | 12837 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E363-E364 | 58212-58213 | 12838 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E365-E366 | 58214-58215 | 12839 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E367-E368 | 58216-58217 | 12840 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E369-E36B | 58218-58220 | 12841 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E36D | 58221 | 12842 | 0 | | Reserved | | | F51 | R | |
| E36D-E36E | 58222-58223 | 12843 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E36F-E370 | 58224-58225 | 12844 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E371-E372 | 58226-58227 | 12845 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E373-E374 | 58228-58229 | 12846 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E375-E377 | 58230-58232 | 12847 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E379 | 58233 | 12848 | 0 | | Reserved | | | F51 | R | |
| E379-E37A | 58234-58235 | 12849 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E37B-E37C | 58236-58237 | 12850 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E37D-E37E | 58238-58239 | 12851 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E37F-E380 | 58240-58241 | 12852 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E381-E383 | 58242-58244 | 12853 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E385 | 58245 | 12854 | 0 | | Reserved | | | F51 | R | |
| E385-E386 | 58246-58247 | 12855 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E387-E388 | 58248-58249 | 12856 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E389-E38A | 58250-58251 | 12857 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E38B-E38C | 58252-58253 | 12858 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E38D-E38F | 58254-58256 | 12859 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E391 | 58257 | 12860 | 0 | | Reserved | | | F51 | R | |
| E391-E392 | 58258-58259 | 12861 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E393-E394 | 58260-58261 | 12862 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E395-E396 | 58262-58263 | 12863 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E397-E398 | 58264-58265 | 12864 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E399-E39B | 58266-58268 | 12865 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E39D | 58269 | 12866 | 0 | | Reserved | | | F51 | R | |
| E39D-E39E | 58270-58271 | 12867 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E39F-E3A0 | 58272-58273 | 12868 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E3A1-E3A2 | 58274-58275 | 12869 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E3A3-E3A4 | 58276-58277 | 12870 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E3A5-E3A7 | 58278-58280 | 12871 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E3A9 | 58281 | 12872 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E3A9-E3AA | 58282-58283 | 12873 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E3AB-E3AC | 58284-58285 | 12874 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E3AD-E3AE | 58286-58287 | 12875 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E3AF-E3B0 | 58288-58289 | 12876 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E3B1-E3B3 | 58290-58292 | 12877 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E3B5 | 58293 | 12878 | 0 | | Reserved | | | F51 | R | |
| E3B5-E3B6 | 58294-58295 | 12879 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Month, Final Season, Tier 1 | | | | | |
| E3B7-E3B8 | 58296-58297 | 12880 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E3B9-E3BA | 58298-58299 | 12881 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E3BB-E3BC | 58300-58301 | 12882 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E3BD-E3BF | 58302-58304 | 12883 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E3C1 | 58305 | 12884 | 0 | | Reserved | | | F51 | R | |
| E3C1-E3C2 | 58306-58307 | 12885 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E3C3-E3C4 | 58308-58309 | 12886 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E3C5-E3C6 | 58310-58311 | 12887 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E3C7-E3C8 | 58312-58313 | 12888 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E3C9-E3CB | 58314-58316 | 12889 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E3CD | 58317 | 12890 | 0 | | Reserved | | | F51 | R | |
| E3CD-E3CE | 58318-58319 | 12891 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E3CF-E3D0 | 58320-58321 | 12892 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E3D1-E3D2 | 58322-58323 | 12893 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E3D3-E3D4 | 58324-58325 | 12894 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E3D5-E3D7 | 58326-58328 | 12895 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E3D9 | 58329 | 12896 | 0 | | Reserved | | | F51 | R | |
| E3D9-E3DA | 58330-58331 | 12897 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E3DB-E3DC | 58332-58333 | 12898 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E3DD-E3DE | 58334-58335 | 12899 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E3DF-E3E0 | 58336-58337 | 12900 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E3E1-E3E3 | 58338-58340 | 12901 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E3E5 | 58341 | 12902 | 0 | | Reserved | | | F51 | R | |
| E3E5-E3E6 | 58342-58343 | 12903 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E3E7-E3E8 | 58344-58345 | 12904 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E3E9-E3EA | 58346-58347 | 12905 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E3EB-E3EC | 58348-58349 | 12906 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E3ED-E3EF | 58350-58352 | 12907 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E3F1 | 58353 | 12908 | 0 | | Reserved | | | F51 | R | |
| E3F1-E3F2 | 58354-58355 | 12909 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E3F3-E3F4 | 58356-58357 | 12910 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E3F5-E3F6 | 58358-58359 | 12911 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E3F7-E3F8 | 58360-58361 | 12912 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E3F9-E3FB | 58362-58364 | 12913 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E3FD | 58365 | 12914 | 0 | | Reserved | | | F51 | R | |
| E3FD-E3FE | 58366-58367 | 12915 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E3FF-E400 | 58368-58369 | 12916 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E401-E402 | 58370-58371 | 12917 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E403-E404 | 58372-58373 | 12918 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E405-E407 | 58374-58376 | 12919 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E409 | 58377 | 12920 | 0 | | Reserved | | | F51 | R | |
| E409-E40A | 58378-58379 | 12921 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E40B-E40C | 58380-58381 | 12922 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E40D-E40E | 58382-58383 | 12923 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E40F-E410 | 58384-58385 | 12924 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E411-E413 | 58386-58388 | 12925 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E415 | 58389 | 12926 | 0 | | Reserved | | | F51 | R | |
| E415-E416 | 58390-58391 | 12927 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E417-E418 | 58392-58393 | 12928 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E419-E41A | 58394-58395 | 12929 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E41B-E41C | 58396-58397 | 12930 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E41D-E41F | 58398-58400 | 12931 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E421 | 58401 | 12932 | 0 | | Reserved | | | F51 | R | |
| E421-E422 | 58402-58403 | 12933 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E423-E424 | 58404-58405 | 12934 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E425-E426 | 58406-58407 | 12935 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E427-E428 | 58408-58409 | 12936 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E429-E42B | 58410-58412 | 12937 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E42D | 58413 | 12938 | 0 | | Reserved | | | F51 | R | |
| E42D-E42E | 58414-58415 | 12939 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E42F-E430 | 58416-58417 | 12940 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E431-E432 | 58418-58419 | 12941 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E433-E434 | 58420-58421 | 12942 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E435-E437 | 58422-58424 | 12943 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E439 | 58425 | 12944 | 0 | | Reserved | | | F51 | R | |
| E439-E43A | 58426-58427 | 12945 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E43B-E43C | 58428-58429 | 12946 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E43D-E43E | 58430-58431 | 12947 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E43F-E440 | 58432-58433 | 12948 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E441-E443 | 58434-58436 | 12949 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E445 | 58437 | 12950 | 0 | | Reserved | | | F51 | R | |
| E445-E446 | 58438-58439 | 12951 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E447-E448 | 58440-58441 | 12952 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E449-E44A | 58442-58443 | 12953 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E44B-E44C | 58444-58445 | 12954 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E44D-E44F | 58446-58448 | 12955 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E451 | 58449 | 12956 | 0 | | Reserved | | | F51 | R | |
| E451-E452 | 58450-58451 | 12957 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E453-E454 | 58452-58453 | 12958 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E455-E456 | 58454-58455 | 12959 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E457-E458 | 58456-58457 | 12960 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E459-E45B | 58458-58460 | 12961 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E45D | 58461 | 12962 | 0 | | Reserved | | | F51 | R | |
| E45D-E45E | 58462-58463 | 12963 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E45F-E460 | 58464-58465 | 12964 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E461-E462 | 58466-58467 | 12965 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E463-E464 | 58468-58469 | 12966 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E465-E467 | 58470-58472 | 12967 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E469 | 58473 | 12968 | 0 | | Reserved | | | F51 | R | |
| E469-E46A | 58474-58475 | 12969 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E46B-E46C | 58476-58477 | 12970 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E46D-E46E | 58478-58479 | 12971 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E46F-E470 | 58480-58481 | 12972 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E471-E473 | 58482-58484 | 12973 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E475 | 58485 | 12974 | 0 | | Reserved | | | F51 | R | |
| E475-E476 | 58486-58487 | 12975 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Final Season, Tier 2 | | | | | |
| E477-E478 | 58488-58489 | 12976 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E479-E47A | 58490-58491 | 12977 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E47B-E47C | 58492-58493 | 12978 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E47D-E47F | 58494-58496 | 12979 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E481 | 58497 | 12980 | 0 | | Reserved | | | F51 | R | |
| E481-E482 | 58498-58499 | 12981 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E483-E484 | 58500-58501 | 12982 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E485-E486 | 58502-58503 | 12983 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E487-E488 | 58504-58505 | 12984 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E489-E48B | 58506-58508 | 12985 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E48D | 58509 | 12986 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E48D-E48E | 58510-58511 | 12987 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E48F-E490 | 58512-58513 | 12988 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E491-E492 | 58514-58515 | 12989 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E493-E494 | 58516-58517 | 12990 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E495-E497 | 58518-58520 | 12991 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E499 | 58521 | 12992 | 0 | | Reserved | | | F51 | R | |
| E499-E49A | 58522-58523 | 12993 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E49B-E49C | 58524-58525 | 12994 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E49D-E49E | 58526-58527 | 12995 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E49F-E4A0 | 58528-58529 | 12996 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E4A1-E4A3 | 58530-58532 | 12997 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E4A5 | 58533 | 12998 | 0 | | Reserved | | | F51 | R | |
| E4A5-E4A6 | 58534-58535 | 12999 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E4A7-E4A8 | 58536-58537 | 13000 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E4A9-E4AA | 58538-58539 | 13001 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E4AB-E4AC | 58540-58541 | 13002 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E4AD-E4AF | 58542-58544 | 13003 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E4B1 | 58545 | 13004 | 0 | | Reserved | | | F51 | R | |
| E4B1-E4B2 | 58546-58547 | 13005 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E4B3-E4B4 | 58548-58549 | 13006 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E4B5-E4B6 | 58550-58551 | 13007 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E4B7-E4B8 | 58552-58553 | 13008 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E4B9-E4BB | 58554-58556 | 13009 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E4BD | 58557 | 13010 | 0 | | Reserved | | | F51 | R | |
| E4BD-E4BE | 58558-58559 | 13011 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E4BF-E4C0 | 58560-58561 | 13012 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E4C1-E4C2 | 58562-58563 | 13013 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E4C3-E4C4 | 58564-58565 | 13014 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E4C5-E4C7 | 58566-58568 | 13015 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E4C9 | 58569 | 13016 | 0 | | Reserved | | | F51 | R | |
| E4C9-E4CA | 58570-58571 | 13017 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E4CB-E4CC | 58572-58573 | 13018 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E4CD-E4CE | 58574-58575 | 13019 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E4CF-E4D0 | 58576-58577 | 13020 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E4D1-E4D3 | 58578-58580 | 13021 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E4D5 | 58581 | 13022 | 0 | | Reserved | | | F51 | R | |
| E4D5-E4D6 | 58582-58583 | 13023 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E4D7-E4D8 | 58584-58585 | 13024 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E4D9-E4DA | 58586-58587 | 13025 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E4DB-E4DC | 58588-58589 | 13026 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E4DD-E4DF | 58590-58592 | 13027 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E4E1 | 58593 | 13028 | 0 | | Reserved | | | F51 | R | |
| E4E1-E4E2 | 58594-58595 | 13029 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E4E3-E4E4 | 58596-58597 | 13030 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E4E5-E4E6 | 58598-58599 | 13031 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E4E7-E4E8 | 58600-58601 | 13032 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E4E9-E4EB | 58602-58604 | 13033 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E4ED | 58605 | 13034 | 0 | | Reserved | | | F51 | R | |
| E4ED-E4EE | 58606-58607 | 13035 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E4EF-E4F0 | 58608-58609 | 13036 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E4F1-E4F2 | 58610-58611 | 13037 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E4F3-E4F4 | 58612-58613 | 13038 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E4F5-E4F7 | 58614-58616 | 13039 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E4F9 | 58617 | 13040 | 0 | | Reserved | | | F51 | R | |
| E4F9-E4FA | 58618-58619 | 13041 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E4FB-E4FC | 58620-58621 | 13042 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E4FD-E4FE | 58622-58623 | 13043 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E4FF-E500 | 58624-58625 | 13044 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E501-E503 | 58626-58628 | 13045 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E505 | 58629 | 13046 | 0 | | Reserved | | | F51 | R | |
| E505-E506 | 58630-58631 | 13047 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E507-E508 | 58632-58633 | 13048 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E509-E50A | 58634-58635 | 13049 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E50B-E50C | 58636-58637 | 13050 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E50D-E50F | 58638-58640 | 13051 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E511 | 58641 | 13052 | 0 | | Reserved | | | F51 | R | |
| E511-E512 | 58642-58643 | 13053 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E513-E514 | 58644-58645 | 13054 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E515-E516 | 58646-58647 | 13055 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E517-E518 | 58648-58649 | 13056 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E519-E51B | 58650-58652 | 13057 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E51D | 58653 | 13058 | 0 | | Reserved | | | F51 | R | |
| E51D-E51E | 58654-58655 | 13059 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E51F-E520 | 58656-58657 | 13060 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E521-E522 | 58658-58659 | 13061 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E523-E524 | 58660-58661 | 13062 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E525-E527 | 58662-58664 | 13063 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E529 | 58665 | 13064 | 0 | | Reserved | | | F51 | R | |
| E529-E52A | 58666-58667 | 13065 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E52B-E52C | 58668-58669 | 13066 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E52D-E52E | 58670-58671 | 13067 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E52F-E530 | 58672-58673 | 13068 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E531-E533 | 58674-58676 | 13069 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E535 | 58677 | 13070 | 0 | | Reserved | | | F51 | R | |
| E535-E536 | 58678-58679 | 13071 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Final Season, Tier 3 | | | | | |
| E537-E538 | 58680-58681 | 13072 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E539-E53A | 58682-58683 | 13073 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E53B-E53C | 58684-58685 | 13074 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E53D-E53F | 58686-58688 | 13075 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E541 | 58689 | 13076 | 0 | | Reserved | | | F51 | R | |
| E541-E542 | 58690-58691 | 13077 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E543-E544 | 58692-58693 | 13078 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E545-E546 | 58694-58695 | 13079 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E547-E548 | 58696-58697 | 13080 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E549-E54B | 58698-58700 | 13081 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E54D | 58701 | 13082 | 0 | | Reserved | | | F51 | R | |
| E54D-E54E | 58702-58703 | 13083 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E54F-E550 | 58704-58705 | 13084 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E551-E552 | 58706-58707 | 13085 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E553-E554 | 58708-58709 | 13086 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E555-E557 | 58710-58712 | 13087 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E559 | 58713 | 13088 | 0 | | Reserved | | | F51 | R | |
| E559-E55A | 58714-58715 | 13089 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E55B-E55C | 58716-58717 | 13090 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E55D-E55E | 58718-58719 | 13091 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E55F-E560 | 58720-58721 | 13092 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E561-E563 | 58722-58724 | 13093 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E565 | 58725 | 13094 | 0 | | Reserved | | | F51 | R | |
| E565-E566 | 58726-58727 | 13095 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E567-E568 | 58728-58729 | 13096 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E569-E56A | 58730-58731 | 13097 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E56B-E56C | 58732-58733 | 13098 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E56D-E56F | 58734-58736 | 13099 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E571 | 58737 | 13100 | 0 | | Reserved | | | F51 | R | |
| E571-E572 | 58738-58739 | 13101 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E573-E574 | 58740-58741 | 13102 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E575-E576 | 58742-58743 | 13103 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E577-E578 | 58744-58745 | 13104 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E579-E57B | 58746-58748 | 13105 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E57D | 58749 | 13106 | 0 | | Reserved | | | F51 | R | |
| E57D-E57E | 58750-58751 | 13107 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E57F-E580 | 58752-58753 | 13108 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E581-E582 | 58754-58755 | 13109 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E583-E584 | 58756-58757 | 13110 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E585-E587 | 58758-58760 | 13111 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E589 | 58761 | 13112 | 0 | | Reserved | | | F51 | R | |
| E589-E58A | 58762-58763 | 13113 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E58B-E58C | 58764-58765 | 13114 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E58D-E58E | 58766-58767 | 13115 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E58F-E590 | 58768-58769 | 13116 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E591-E593 | 58770-58772 | 13117 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E595 | 58773 | 13118 | 0 | | Reserved | | | F51 | R | |
| E595-E596 | 58774-58775 | 13119 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E597-E598 | 58776-58777 | 13120 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E599-E59A | 58778-58779 | 13121 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E59B-E59C | 58780-58781 | 13122 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E59D-E59F | 58782-58784 | 13123 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E5A1 | 58785 | 13124 | 0 | | Reserved | | | F51 | R | |
| E5A1-E5A2 | 58786-58787 | 13125 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E5A3-E5A4 | 58788-58789 | 13126 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E5A5-E5A6 | 58790-58791 | 13127 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E5A7-E5A8 | 58792-58793 | 13128 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E5A9-E5AB | 58794-58796 | 13129 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E5AD | 58797 | 13130 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E5AD-E5AE | 58798-58799 | 13131 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E5AF-E5B0 | 58800-58801 | 13132 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E5B1-E5B2 | 58802-58803 | 13133 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E5B3-E5B4 | 58804-58805 | 13134 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E5B5-E5B7 | 58806-58808 | 13135 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E5B9 | 58809 | 13136 | 0 | | Reserved | | | F51 | R | |
| E5B9-E5BA | 58810-58811 | 13137 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E5BB-E5BC | 58812-58813 | 13138 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E5BD-E5BE | 58814-58815 | 13139 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E5BF-E5C0 | 58816-58817 | 13140 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E5C1-E5C3 | 58818-58820 | 13141 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E5C5 | 58821 | 13142 | 0 | | Reserved | | | F51 | R | |
| E5C5-E5C6 | 58822-58823 | 13143 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E5C7-E5C8 | 58824-58825 | 13144 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E5C9-E5CA | 58826-58827 | 13145 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E5CB-E5CC | 58828-58829 | 13146 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E5CD-E5CF | 58830-58832 | 13147 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E5D1 | 58833 | 13148 | 0 | | Reserved | | | F51 | R | |
| E5D1-E5D2 | 58834-58835 | 13149 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E5D3-E5D4 | 58836-58837 | 13150 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E5D5-E5D6 | 58838-58839 | 13151 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E5D7-E5D8 | 58840-58841 | 13152 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E5D9-E5DB | 58842-58844 | 13153 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E5DD | 58845 | 13154 | 0 | | Reserved | | | F51 | R | |
| E5DD-E5DE | 58846-58847 | 13155 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E5DF-E5E0 | 58848-58849 | 13156 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E5E1-E5E2 | 58850-58851 | 13157 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E5E3-E5E4 | 58852-58853 | 13158 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E5E5-E5E7 | 58854-58856 | 13159 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E5E9 | 58857 | 13160 | 0 | | Reserved | | | F51 | R | |
| E5E9-E5EA | 58858-58859 | 13161 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E5EB-E5EC | 58860-58861 | 13162 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E5ED-E5EE | 58862-58863 | 13163 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E5EF-E5F0 | 58864-58865 | 13164 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E5F1-E5F3 | 58866-58868 | 13165 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E5F5 | 58869 | 13166 | 0 | | Reserved | | | F51 | R | |
| E5F5-E5F6 | 58870-58871 | 13167 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | Prior Month, Final Season, Tier 4 | | | | | |
| E5F7-E5F8 | 58872-58873 | 13168 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E5F9-E5FA | 58874-58875 | 13169 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E5FB-E5FC | 58876-58877 | 13170 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E5FD-E5FF | 58878-58880 | 13171 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E601 | 58881 | 13172 | 0 | | Reserved | | | F51 | R | |
| E601-E602 | 58882-58883 | 13173 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E603-E604 | 58884-58885 | 13174 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E605-E606 | 58886-58887 | 13175 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E607-E608 | 58888-58889 | 13176 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E609-E60B | 58890-58892 | 13177 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E60D | 58893 | 13178 | 0 | | Reserved | | | F51 | R | |
| E60D-E60E | 58894-58895 | 13179 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E60F-E610 | 58896-58897 | 13180 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E611-E612 | 58898-58899 | 13181 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E613-E614 | 58900-58901 | 13182 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E615-E617 | 58902-58904 | 13183 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E619 | 58905 | 13184 | 0 | | Reserved | | | F51 | R | |
| E619-E61A | 58906-58907 | 13185 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E61B-E61C | 58908-58909 | 13186 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E61D-E61E | 58910-58911 | 13187 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E61F-E620 | 58912-58913 | 13188 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E621-E623 | 58914-58916 | 13189 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E625 | 58917 | 13190 | 0 | | Reserved | | | F51 | R | |
| E625-E626 | 58918-58919 | 13191 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E627-E628 | 58920-58921 | 13192 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E629-E62A | 58922-58923 | 13193 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E62B-E62C | 58924-58925 | 13194 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E62D-E62F | 58926-58928 | 13195 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E631 | 58929 | 13196 | 0 | | Reserved | | | F51 | R | |
| E631-E632 | 58930-58931 | 13197 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E633-E634 | 58932-58933 | 13198 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E635-E636 | 58934-58935 | 13199 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E637-E638 | 58936-58937 | 13200 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E639-E63B | 58938-58940 | 13201 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E63D | 58941 | 13202 | 0 | | Reserved | | | F51 | R | |
| E63D-E63E | 58942-58943 | 13203 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E63F-E640 | 58944-58945 | 13204 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E641-E642 | 58946-58947 | 13205 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E643-E644 | 58948-58949 | 13206 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E645-E647 | 58950-58952 | 13207 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E649 | 58953 | 13208 | 0 | | Reserved | | | F51 | R | |
| E649-E64A | 58954-58955 | 13209 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E64B-E64C | 58956-58957 | 13210 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E64D-E64E | 58958-58959 | 13211 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E64F-E650 | 58960-58961 | 13212 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E651-E653 | 58962-58964 | 13213 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E655 | 58965 | 13214 | 0 | | Reserved | | | F51 | R | |
| E655-E656 | 58966-58967 | 13215 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E657-E658 | 58968-58969 | 13216 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E659-E65A | 58970-58971 | 13217 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E65B-E65C | 58972-58973 | 13218 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E65D-E65F | 58974-58976 | 13219 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E661 | 58977 | 13220 | 0 | | Reserved | | | F51 | R | |
| E661-E662 | 58978-58979 | 13221 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E663-E664 | 58980-58981 | 13222 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E665-E666 | 58982-58983 | 13223 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E667-E668 | 58984-58985 | 13224 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E669-E66B | 58986-58988 | 13225 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E66D | 58989 | 13226 | 0 | | Reserved | | | F51 | R | |
| E66D-E66E | 58990-58991 | 13227 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E66F-E670 | 58992-58993 | 13228 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E671-E672 | 58994-58995 | 13229 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E673-E674 | 58996-58997 | 13230 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E675-E677 | 58998-59000 | 13231 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E679 | 59001 | 13232 | 0 | | Reserved | | | F51 | R | |
| E679-E67A | 59002-59003 | 13233 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E67B-E67C | 59004-59005 | 13234 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E67D-E67E | 59006-59007 | 13235 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E67F-E680 | 59008-59009 | 13236 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E681-E683 | 59010-59012 | 13237 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E685 | 59013 | 13238 | 0 | | Reserved | | | F51 | R | |
| E685-E686 | 59014-59015 | 13239 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E687-E688 | 59016-59017 | 13240 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E689-E68A | 59018-59019 | 13241 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E68B-E68C | 59020-59021 | 13242 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E68D-E68F | 59022-59024 | 13243 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E691 | 59025 | 13244 | 0 | | Reserved | | | F51 | R | |
| E691-E692 | 59026-59027 | 13245 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E693-E694 | 59028-59029 | 13246 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E695-E696 | 59030-59031 | 13247 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E697-E698 | 59032-59033 | 13248 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E699-E69B | 59034-59036 | 13249 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E69D | 59037 | 13250 | 0 | | Reserved | | | F51 | R | |
| E69D-E69E | 59038-59039 | 13251 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E69F-E6A0 | 59040-59041 | 13252 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E6A1-E6A2 | 59042-59043 | 13253 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E6A3-E6A4 | 59044-59045 | 13254 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E6A5-E6A7 | 59046-59048 | 13255 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E6A9 | 59049 | 13256 | 0 | | Reserved | | | F51 | R | |
| E6A9-E6AA | 59050-59051 | 13257 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E6AB-E6AC | 59052-59053 | 13258 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E6AD-E6AE | 59054-59055 | 13259 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E6AF-E6B0 | 59056-59057 | 13260 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E6B1-E6B3 | 59058-59060 | 13261 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E6B5 | 59061 | 13262 | 0 | | Reserved | | | F51 | R | |
| E6B5-E6B6 | 59062-59063 | 13263 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | | | | | | |
| | | | | | **Current Season** | | | | | |
| | | base=13264, group count=6*16=96, groups | | | **Current Season Tier 0 (total)**<br>**Current Season Tier 1**<br>**Current Season Tier 2**<br>**Current Season Tier 3**<br>**Current Season Tier 4** | | | | | |
| E797-E798 | 59288-59289 | 13264 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E799-E79A | 59290-59291 | 13265 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E79B-E79C | 59292-59293 | 13266 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E79D-E79F | 59294-59296 | 13267 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E7A1 | 59297 | 13268 | 0 | | Reserved | | | F51 | R | |
| E7A1-E7A2 | 59298-59299 | 13269 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E7A3-E7A4 | 59300-59301 | 13270 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E7A5-E7A6 | 59302-59303 | 13271 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E7A7-E7A8 | 59304-59305 | 13272 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E7A9-E7AB | 59306-59308 | 13273 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E7AD | 59309 | 13274 | 0 | | Reserved | | | F51 | R | |
| E7AD-E7AE | 59310-59311 | 13275 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E7AF-E7B0 | 59312-59313 | 13276 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E7B1-E7B2 | 59314-59315 | 13277 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E7B3-E7B4 | 59316-59317 | 13278 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E7B5-E7B7 | 59318-59320 | 13279 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E7B9 | 59321 | 13280 | 0 | | Reserved | | | F51 | R | |
| E7B9-E7BA | 59322-59323 | 13281 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E7BB-E7BC | 59324-59325 | 13282 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E7BD-E7BE | 59326-59327 | 13283 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E7BF-E7C0 | 59328-59329 | 13284 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E7C1-E7C3 | 59330-59332 | 13285 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E7C5 | 59333 | 13286 | 0 | | Reserved | | | F51 | R | |
| E7C5-E7C6 | 59334-59335 | 13287 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E7C7-E7C8 | 59336-59337 | 13288 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E7C9-E7CA | 59338-59339 | 13289 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E7CB-E7CC | 59340-59341 | 13290 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E7CD-E7CF | 59342-59344 | 13291 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E7D1 | 59345 | 13292 | 0 | | Reserved | | | F51 | R | |
| E7D1-E7D2 | 59346-59347 | 13293 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E7D3-E7D4 | 59348-59349 | 13294 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E7D5-E7D6 | 59350-59351 | 13295 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E7D7-E7D8 | 59352-59353 | 13296 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E7D9-E7DB | 59354-59356 | 13297 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E7DD | 59357 | 13298 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E7DD-E7DE | 59358-59359 | 13299 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E7DF-E7E0 | 59360-59361 | 13300 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E7E1-E7E2 | 59362-59363 | 13301 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E7E3-E7E4 | 59364-59365 | 13302 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E7E5-E7E7 | 59366-59368 | 13303 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E7E9 | 59369 | 13304 | 0 | | Reserved | | | F51 | R | |
| E7E9-E7EA | 59370-59371 | 13305 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E7EB-E7EC | 59372-59373 | 13306 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E7ED-E7EE | 59374-59375 | 13307 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E7EF-E7F0 | 59376-59377 | 13308 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E7F1-E7F3 | 59378-59380 | 13309 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E7F5 | 59381 | 13310 | 0 | | Reserved | | | F51 | R | |
| E7F5-E7F6 | 59382-59383 | 13311 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E7F7-E7F8 | 59384-59385 | 13312 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E7F9-E7FA | 59386-59387 | 13313 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E7FB-E7FC | 59388-59389 | 13314 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E7FD-E7FF | 59390-59392 | 13315 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E801 | 59393 | 13316 | 0 | | Reserved | | | F51 | R | |
| E801-E802 | 59394-59395 | 13317 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E803-E804 | 59396-59397 | 13318 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E805-E806 | 59398-59399 | 13319 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E807-E808 | 59400-59401 | 13320 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E809-E80B | 59402-59404 | 13321 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E80D | 59405 | 13322 | 0 | | Reserved | | | F51 | R | |
| E80D-E80E | 59406-59407 | 13323 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E80F-E810 | 59408-59409 | 13324 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E811-E812 | 59410-59411 | 13325 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E813-E814 | 59412-59413 | 13326 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E815-E817 | 59414-59416 | 13327 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E819 | 59417 | 13328 | 0 | | Reserved | | | F51 | R | |
| E819-E81A | 59418-59419 | 13329 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E81B-E81C | 59420-59421 | 13330 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E81D-E81E | 59422-59423 | 13331 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E81F-E820 | 59424-59425 | 13332 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E821-E823 | 59426-59428 | 13333 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E825 | 59429 | 13334 | 0 | | Reserved | | | F51 | R | |
| E825-E826 | 59430-59431 | 13335 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E827-E828 | 59432-59433 | 13336 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E829-E82A | 59434-59435 | 13337 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E82B-E82C | 59436-59437 | 13338 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E82D-E82F | 59438-59440 | 13339 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E831 | 59441 | 13340 | 0 | | Reserved | | | F51 | R | |
| E831-E832 | 59442-59443 | 13341 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E833-E834 | 59444-59445 | 13342 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E835-E836 | 59446-59447 | 13343 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E837-E838 | 59448-59449 | 13344 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E839-E83B | 59450-59452 | 13345 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E83D | 59453 | 13346 | 0 | | Reserved | | | F51 | R | |
| E83D-E83E | 59454-59455 | 13347 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E83F-E840 | 59456-59457 | 13348 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E841-E842 | 59458-59459 | 13349 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E843-E844 | 59460-59461 | 13350 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E845-E847 | 59462-59464 | 13351 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E849 | 59465 | 13352 | 0 | | Reserved | | | F51 | R | |
| E849-E84A | 59466-59467 | 13353 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E84B-E84C | 59468-59469 | 13354 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E84D-E84E | 59470-59471 | 13355 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E84F-E850 | 59472-59473 | 13356 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E851-E853 | 59474-59476 | 13357 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E855 | 59477 | 13358 | 0 | | Reserved | | | F51 | R | |
| E855-E856 | 59478-59479 | 13359 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Season Tier 1 | | | | | |
| E857-E858 | 59480-59481 | 13360 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E859-E85A | 59482-59483 | 13361 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E85B-E85C | 59484-59485 | 13362 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E85D-E85F | 59486-59488 | 13363 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E861 | 59489 | 13364 | 0 | | Reserved | | | F51 | R | |
| E861-E862 | 59490-59491 | 13365 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E863-E864 | 59492-59493 | 13366 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E865-E866 | 59494-59495 | 13367 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E867-E868 | 59496-59497 | 13368 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E869-E86B | 59498-59500 | 13369 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E86D | 59501 | 13370 | 0 | | Reserved | | | F51 | R | |
| E86D-E86E | 59502-59503 | 13371 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E86F-E870 | 59504-59505 | 13372 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E871-E872 | 59506-59507 | 13373 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E873-E874 | 59508-59509 | 13374 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E875-E877 | 59510-59512 | 13375 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E879 | 59513 | 13376 | 0 | | Reserved | | | F51 | R | |
| E879-E87A | 59514-59515 | 13377 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E87B-E87C | 59516-59517 | 13378 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E87D-E87E | 59518-59519 | 13379 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E87F-E880 | 59520-59521 | 13380 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E881-E883 | 59522-59524 | 13381 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E885 | 59525 | 13382 | 0 | | Reserved | | | F51 | R | |
| E885-E886 | 59526-59527 | 13383 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E887-E888 | 59528-59529 | 13384 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E889-E88A | 59530-59531 | 13385 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E88B-E88C | 59532-59533 | 13386 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E88D-E88F | 59534-59536 | 13387 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E891 | 59537 | 13388 | 0 | | Reserved | | | F51 | R | |
| E891-E892 | 59538-59539 | 13389 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E893-E894 | 59540-59541 | 13390 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E895-E896 | 59542-59543 | 13391 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E897-E898 | 59544-59545 | 13392 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E899-E89B | 59546-59548 | 13393 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E89D | 59549 | 13394 | 0 | | Reserved | | | F51 | R | |
| E89D-E89E | 59550-59551 | 13395 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E89F-E8A0 | 59552-59553 | 13396 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E8A1-E8A2 | 59554-59555 | 13397 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E8A3-E8A4 | 59556-59557 | 13398 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E8A5-E8A7 | 59558-59560 | 13399 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E8A9 | 59561 | 13400 | 0 | | Reserved | | | F51 | R | |
| E8A9-E8AA | 59562-59563 | 13401 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E8AB-E8AC | 59564-59565 | 13402 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E8AD-E8AE | 59566-59567 | 13403 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E8AF-E8B0 | 59568-59569 | 13404 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E8B1-E8B3 | 59570-59572 | 13405 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| E8B5 | 59573 | 13406 | 0 | | Reserved | | | F51 | R | |
| E8B5-E8B6 | 59574-59575 | 13407 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E8B7-E8B8 | 59576-59577 | 13408 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E8B9-E8BA | 59578-59579 | 13409 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E8BB-E8BC | 59580-59581 | 13410 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E8BD-E8BF | 59582-59584 | 13411 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E8C1 | 59585 | 13412 | 0 | | Reserved | | | F51 | R | |
| E8C1-E8C2 | 59586-59587 | 13413 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E8C3-E8C4 | 59588-59589 | 13414 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E8C5-E8C6 | 59590-59591 | 13415 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E8C7-E8C8 | 59592-59593 | 13416 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E8C9-E8CB | 59594-59596 | 13417 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E8CD | 59597 | 13418 | 0 | | Reserved | | | F51 | R | |
| E8CD-E8CE | 59598-59599 | 13419 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E8CF-E8D0 | 59600-59601 | 13420 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E8D1-E8D2 | 59602-59603 | 13421 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E8D3-E8D4 | 59604-59605 | 13422 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E8D5-E8D7 | 59606-59608 | 13423 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E8D9 | 59609 | 13424 | 0 | | Reserved | | | F51 | R | |
| E8D9-E8DA | 59610-59611 | 13425 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E8DB-E8DC | 59612-59613 | 13426 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E8DD-E8DE | 59614-59615 | 13427 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E8DF-E8E0 | 59616-59617 | 13428 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E8E1-E8E3 | 59618-59620 | 13429 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E8E5 | 59621 | 13430 | 0 | | Reserved | | | F51 | R | |
| E8E5-E8E6 | 59622-59623 | 13431 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E8E7-E8E8 | 59624-59625 | 13432 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E8E9-E8EA | 59626-59627 | 13433 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E8EB-E8EC | 59628-59629 | 13434 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| E8ED-E8EF | 59630-59632 | 13435 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E8F1 | 59633 | 13436 | 0 | | Reserved | | | F51 | R | |
| E8F1-E8F2 | 59634-59635 | 13437 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E8F3-E8F4 | 59636-59637 | 13438 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E8F5-E8F6 | 59638-59639 | 13439 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E8F7-E8F8 | 59640-59641 | 13440 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E8F9-E8FB | 59642-59644 | 13441 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E8FD | 59645 | 13442 | 0 | | Reserved | | | F51 | R | |
| E8FD-E8FE | 59646-59647 | 13443 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E8FF-E900 | 59648-59649 | 13444 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E901-E902 | 59650-59651 | 13445 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E903-E904 | 59652-59653 | 13446 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E905-E907 | 59654-59656 | 13447 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E909 | 59657 | 13448 | 0 | | Reserved | | | F51 | R | |
| E909-E90A | 59658-59659 | 13449 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E90B-E90C | 59660-59661 | 13450 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E90D-E90E | 59662-59663 | 13451 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E90F-E910 | 59664-59665 | 13452 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E911-E913 | 59666-59668 | 13453 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E915 | 59669 | 13454 | 0 | | Reserved | | | F51 | R | |
| E915-E916 | 59670-59671 | 13455 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Season Tier 2 | | | | | |
| E917-E918 | 59672-59673 | 13456 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E919-E91A | 59674-59675 | 13457 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E91B-E91C | 59676-59677 | 13458 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E91D-E91F | 59678-59680 | 13459 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E921 | 59681 | 13460 | 0 | | Reserved | | | F51 | R | |
| E921-E922 | 59682-59683 | 13461 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E923-E924 | 59684-59685 | 13462 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E925-E926 | 59686-59687 | 13463 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| E927-E928 | 59688-59689 | 13464 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E929-E92B | 59690-59692 | 13465 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E92D | 59693 | 13466 | 0 | | Reserved | | | F51 | R | |
| E92D-E92E | 59694-59695 | 13467 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E92F-E930 | 59696-59697 | 13468 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E931-E932 | 59698-59699 | 13469 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E933-E934 | 59700-59701 | 13470 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E935-E937 | 59702-59704 | 13471 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E939 | 59705 | 13472 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E939-E93A | 59706-59707 | 13473 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E93B-E93C | 59708-59709 | 13474 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E93D-E93E | 59710-59711 | 13475 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E93F-E940 | 59712-59713 | 13476 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| E941-E943 | 59714-59716 | 13477 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| E945 | 59717 | 13478 | 0 | | Reserved | | | F51 | R | |
| E945-E946 | 59718-59719 | 13479 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| E947-E948 | 59720-59721 | 13480 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| E949-E94A | 59722-59723 | 13481 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| E94B-E94C | 59724-59725 | 13482 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| E94D-E94F | 59726-59728 | 13483 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| E951 | 59729 | 13484 | 0 | | Reserved | | | F51 | R | |
| E951-E952 | 59730-59731 | 13485 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| E953-E954 | 59732-59733 | 13486 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| E955-E956 | 59734-59735 | 13487 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| E957-E958 | 59736-59737 | 13488 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| E959-E95B | 59738-59740 | 13489 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| E95D | 59741 | 13490 | 0 | | Reserved | | | F51 | R | |
| E95D-E95E | 59742-59743 | 13491 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| E95F-E960 | 59744-59745 | 13492 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| E961-E962 | 59746-59747 | 13493 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| E963-E964 | 59748-59749 | 13494 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| E965-E967 | 59750-59752 | 13495 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| E969 | 59753 | 13496 | 0 | | Reserved | | | F51 | R | |
| E969-E96A | 59754-59755 | 13497 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| E96B-E96C | 59756-59757 | 13498 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| E96D-E96E | 59758-59759 | 13499 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| E96F-E970 | 59760-59761 | 13500 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| E971-E973 | 59762-59764 | 13501 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E975 | 59765 | 13502 | 0 | | Reserved | | | F51 | R | |
| E975-E976 | 59766-59767 | 13503 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| E977-E978 | 59768-59769 | 13504 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| E979-E97A | 59770-59771 | 13505 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| E97B-E97C | 59772-59773 | 13506 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| E97D-E97F | 59774-59776 | 13507 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| E981 | 59777 | 13508 | 0 | | Reserved | | | F51 | R | |
| E981-E982 | 59778-59779 | 13509 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| E983-E984 | 59780-59781 | 13510 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| E985-E986 | 59782-59783 | 13511 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| E987-E988 | 59784-59785 | 13512 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| E989-E98B | 59786-59788 | 13513 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| E98D | 59789 | 13514 | 0 | | Reserved | | | F51 | R | |
| E98D-E98E | 59790-59791 | 13515 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| E98F-E990 | 59792-59793 | 13516 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| E991-E992 | 59794-59795 | 13517 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| E993-E994 | 59796-59797 | 13518 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| E995-E997 | 59798-59800 | 13519 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| E999 | 59801 | 13520 | 0 | | Reserved | | | F51 | R | |
| E999-E99A | 59802-59803 | 13521 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| E99B-E99C | 59804-59805 | 13522 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| E99D-E99E | 59806-59807 | 13523 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| E99F-E9A0 | 59808-59809 | 13524 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| E9A1-E9A3 | 59810-59812 | 13525 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| E9A5 | 59813 | 13526 | 0 | | Reserved | | | F51 | R | |
| E9A5-E9A6 | 59814-59815 | 13527 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| E9A7-E9A8 | 59816-59817 | 13528 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| E9A9-E9AA | 59818-59819 | 13529 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| E9AB-E9AC | 59820-59821 | 13530 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E9AD-E9AF | 59822-59824 | 13531 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| E9B1 | 59825 | 13532 | 0 | | Reserved | | | F51 | R | |
| E9B1-E9B2 | 59826-59827 | 13533 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| E9B3-E9B4 | 59828-59829 | 13534 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| E9B5-E9B6 | 59830-59831 | 13535 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| E9B7-E9B8 | 59832-59833 | 13536 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| E9B9-E9BB | 59834-59836 | 13537 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| E9BD | 59837 | 13538 | 0 | | Reserved | | | F51 | R | |
| E9BD-E9BE | 59838-59839 | 13539 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| E9BF-E9C0 | 59840-59841 | 13540 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| E9C1-E9C2 | 59842-59843 | 13541 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| E9C3-E9C4 | 59844-59845 | 13542 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| E9C5-E9C7 | 59846-59848 | 13543 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| E9C9 | 59849 | 13544 | 0 | | Reserved | | | F51 | R | |
| E9C9-E9CA | 59850-59851 | 13545 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| E9CB-E9CC | 59852-59853 | 13546 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| E9CD-E9CE | 59854-59855 | 13547 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| E9CF-E9D0 | 59856-59857 | 13548 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| E9D1-E9D3 | 59858-59860 | 13549 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| E9D5 | 59861 | 13550 | 0 | | Reserved | | | F51 | R | |
| E9D5-E9D6 | 59862-59863 | 13551 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Season Tier 3 | | | | | |
| E9D7-E9D8 | 59864-59865 | 13552 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| E9D9-E9DA | 59866-59867 | 13553 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| E9DB-E9DC | 59868-59869 | 13554 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| E9DD-E9DF | 59870-59872 | 13555 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| E9E1 | 59873 | 13556 | 0 | | Reserved | | | F51 | R | |
| E9E1-E9E2 | 59874-59875 | 13557 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| E9E3-E9E4 | 59876-59877 | 13558 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| E9E5-E9E6 | 59878-59879 | 13559 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| E9E7-E9E8 | 59880-59881 | 13560 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| E9E9-E9EB | 59882-59884 | 13561 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| E9ED | 59885 | 13562 | 0 | | Reserved | | | F51 | R | |
| E9ED-E9EE | 59886-59887 | 13563 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| E9EF-E9F0 | 59888-59889 | 13564 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| E9F1-E9F2 | 59890-59891 | 13565 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| E9F3-E9F4 | 59892-59893 | 13566 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| E9F5-E9F7 | 59894-59896 | 13567 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| E9F9 | 59897 | 13568 | 0 | | Reserved | | | F51 | R | |
| E9F9-E9FA | 59898-59899 | 13569 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| E9FB-E9FC | 59900-59901 | 13570 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| E9FD-E9FE | 59902-59903 | 13571 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| E9FF-EA00 | 59904-59905 | 13572 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EA01-EA03 | 59906-59908 | 13573 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EA05 | 59909 | 13574 | 0 | | Reserved | | | F51 | R | |
| EA05-EA06 | 59910-59911 | 13575 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EA07-EA08 | 59912-59913 | 13576 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EA09-EA0A | 59914-59915 | 13577 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EA0B-EA0C | 59916-59917 | 13578 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| EA0D-EA0F | 59918-59920 | 13579 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EA11 | 59921 | 13580 | 0 | | Reserved | | | F51 | R | |
| EA11-EA12 | 59922-59923 | 13581 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EA13-EA14 | 59924-59925 | 13582 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EA15-EA16 | 59926-59927 | 13583 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EA17-EA18 | 59928-59929 | 13584 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EA19-EA1B | 59930-59932 | 13585 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EA1D | 59933 | 13586 | 0 | | Reserved | | | F51 | R | |
| EA1D-EA1E | 59934-59935 | 13587 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EA1F-EA20 | 59936-59937 | 13588 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EA21-EA22 | 59938-59939 | 13589 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EA23-EA24 | 59940-59941 | 13590 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EA25-EA27 | 59942-59944 | 13591 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EA29 | 59945 | 13592 | 0 | | Reserved | | | F51 | R | |
| EA29-EA2A | 59946-59947 | 13593 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EA2B-EA2C | 59948-59949 | 13594 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| EA2D-EA2E | 59950-59951 | 13595 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EA2F-EA30 | 59952-59953 | 13596 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EA31-EA33 | 59954-59956 | 13597 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| EA35 | 59957 | 13598 | 0 | | Reserved | | | F51 | R | |
| EA35-EA36 | 59958-59959 | 13599 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EA37-EA38 | 59960-59961 | 13600 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EA39-EA3A | 59962-59963 | 13601 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EA3B-EA3C | 59964-59965 | 13602 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EA3D-EA3F | 59966-59968 | 13603 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EA41 | 59969 | 13604 | 0 | | Reserved | | | F51 | R | |
| EA41-EA42 | 59970-59971 | 13605 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EA43-EA44 | 59972-59973 | 13606 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EA45-EA46 | 59974-59975 | 13607 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| EA47-EA48 | 59976-59977 | 13608 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EA49-EA4B | 59978-59980 | 13609 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EA4D | 59981 | 13610 | 0 | | Reserved | | | F51 | R | |
| EA4D-EA4E | 59982-59983 | 13611 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EA4F-EA50 | 59984-59985 | 13612 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EA51-EA52 | 59986-59987 | 13613 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EA53-EA54 | 59988-59989 | 13614 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EA55-EA57 | 59990-59992 | 13615 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| EA59 | 59993 | 13616 | 0 | | Reserved | | | F51 | R | |
| EA59-EA5A | 59994-59995 | 13617 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EA5B-EA5C | 59996-59997 | 13618 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EA5D-EA5E | 59998-59999 | 13619 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EA5F-EA60 | 60000-60001 | 13620 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| EA61-EA63 | 60002-60004 | 13621 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| EA65 | 60005 | 13622 | 0 | | Reserved | | | F51 | R | |
| EA65-EA66 | 60006-60007 | 13623 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| EA67-EA68 | 60008-60009 | 13624 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| EA69-EA6A | 60010-60011 | 13625 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| EA6B-EA6C | 60012-60013 | 13626 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| EA6D-EA6F | 60014-60016 | 13627 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| EA71 | 60017 | 13628 | 0 | | Reserved | | | F51 | R | |
| EA71-EA72 | 60018-60019 | 13629 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| EA73-EA74 | 60020-60021 | 13630 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| EA75-EA76 | 60022-60023 | 13631 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| EA77-EA78 | 60024-60025 | 13632 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| EA79-EA7B | 60026-60028 | 13633 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| EA7D | 60029 | 13634 | 0 | | Reserved | | | F51 | R | |
| EA7D-EA7E | 60030-60031 | 13635 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| EA7F-EA80 | 60032-60033 | 13636 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| EA81-EA82 | 60034-60035 | 13637 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| EA83-EA84 | 60036-60037 | 13638 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| EA85-EA87 | 60038-60040 | 13639 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| EA89 | 60041 | 13640 | 0 | | Reserved | | | F51 | R | |
| EA89-EA8A | 60042-60043 | 13641 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| EA8B-EA8C | 60044-60045 | 13642 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| EA8D-EA8E | 60046-60047 | 13643 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| EA8F-EA90 | 60048-60049 | 13644 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| EA91-EA93 | 60050-60052 | 13645 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| EA95 | 60053 | 13646 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EA95-EA96 | 60054-60055 | 13647 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Current Season Tier 4 | | | | | |
| EA97-EA98 | 60056-60057 | 13648 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| EA99-EA9A | 60058-60059 | 13649 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| EA9B-EA9C | 60060-60061 | 13650 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| EA9D-EA9F | 60062-60064 | 13651 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| EAA1 | 60065 | 13652 | 0 | | Reserved | | | F51 | R | |
| EAA1-EAA2 | 60066-60067 | 13653 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| EAA3-EAA4 | 60068-60069 | 13654 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| EAA5-EAA6 | 60070-60071 | 13655 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| EAA7-EAA8 | 60072-60073 | 13656 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| EAA9-EAAB | 60074-60076 | 13657 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| EAAD | 60077 | 13658 | 0 | | Reserved | | | F51 | R | |
| EAAD-EAAE | 60078-60079 | 13659 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| EAAF-EAB0 | 60080-60081 | 13660 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| EAB1-EAB2 | 60082-60083 | 13661 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| EAB3-EAB4 | 60084-60085 | 13662 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| EAB5-EAB7 | 60086-60088 | 13663 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| EAB9 | 60089 | 13664 | 0 | | Reserved | | | F51 | R | |
| EAB9-EABA | 60090-60091 | 13665 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| EABB-EABC | 60092-60093 | 13666 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| EABD-EABE | 60094-60095 | 13667 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| EABF-EAC0 | 60096-60097 | 13668 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EAC1-EAC3 | 60098-60100 | 13669 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EAC5 | 60101 | 13670 | 0 | | Reserved | | | F51 | R | |
| EAC5-EAC6 | 60102-60103 | 13671 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EAC7-EAC8 | 60104-60105 | 13672 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EAC9-EACA | 60106-60107 | 13673 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EACB-EACC | 60108-60109 | 13674 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EACD-EACF | 60110-60112 | 13675 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EAD1 | 60113 | 13676 | 0 | | Reserved | | | F51 | R | |
| EAD1-EAD2 | 60114-60115 | 13677 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EAD3-EAD4 | 60116-60117 | 13678 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EAD5-EAD6 | 60118-60119 | 13679 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EAD7-EAD8 | 60120-60121 | 13680 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EAD9-EADB | 60122-60124 | 13681 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EADD | 60125 | 13682 | 0 | | Reserved | | | F51 | R | |
| EADD-EADE | 60126-60127 | 13683 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EADF-EAE0 | 60128-60129 | 13684 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| EAE1-EAE2 | 60130-60131 | 13685 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EAE3-EAE4 | 60132-60133 | 13686 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EAE5-EAE7 | 60134-60136 | 13687 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EAE9 | 60137 | 13688 | 0 | | Reserved | | | F51 | R | |
| EAE9-EAEA | 60138-60139 | 13689 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EAEB-EAEC | 60140-60141 | 13690 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| EAED-EAEE | 60142-60143 | 13691 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EAEF-EAF0 | 60144-60145 | 13692 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EAF1-EAF3 | 60146-60148 | 13693 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| EAF5 | 60149 | 13694 | 0 | | Reserved | | | F51 | R | |
| EAF5-EAF6 | 60150-60151 | 13695 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EAF7-EAF8 | 60152-60153 | 13696 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EAF9-EAFA | 60154-60155 | 13697 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EAFB-EAFC | 60156-60157 | 13698 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EAFD-EAFF | 60158-60160 | 13699 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EB01 | 60161 | 13700 | 0 | | Reserved | | | F51 | R | |
| EB01-EB02 | 60162-60163 | 13701 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EB03-EB04 | 60164-60165 | 13702 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EB05-EB06 | 60166-60167 | 13703 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EB07-EB08 | 60168-60169 | 13704 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EB09-EB0B | 60170-60172 | 13705 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EB0D | 60173 | 13706 | 0 | | Reserved | | | F51 | R | |
| EB0D-EB0E | 60174-60175 | 13707 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EB0F-EB10 | 60176-60177 | 13708 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EB11-EB12 | 60178-60179 | 13709 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EB13-EB14 | 60180-60181 | 13710 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EB15-EB17 | 60182-60184 | 13711 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| EB19 | 60185 | 13712 | 0 | | Reserved | | | F51 | R | |
| EB19-EB1A | 60186-60187 | 13713 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| EB1B-EB1C | 60188-60189 | 13714 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EB1D-EB1E | 60190-60191 | 13715 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EB1F-EB20 | 60192-60193 | 13716 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| EB21-EB23 | 60194-60196 | 13717 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| EB25 | 60197 | 13718 | 0 | | Reserved | | | F51 | R | |
| EB25-EB26 | 60198-60199 | 13719 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| EB27-EB28 | 60200-60201 | 13720 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| EB29-EB2A | 60202-60203 | 13721 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| EB2B-EB2C | 60204-60205 | 13722 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| EB2D-EB2F | 60206-60208 | 13723 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| EB31 | 60209 | 13724 | 0 | | Reserved | | | F51 | R | |
| EB31-EB32 | 60210-60211 | 13725 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| EB33-EB34 | 60212-60213 | 13726 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| EB35-EB36 | 60214-60215 | 13727 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| EB37-EB38 | 60216-60217 | 13728 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| EB39-EB3B | 60218-60220 | 13729 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| EB3D | 60221 | 13730 | 0 | | Reserved | | | F51 | R | |
| EB3D-EB3E | 60222-60223 | 13731 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| EB3F-EB40 | 60224-60225 | 13732 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EB41-EB42 | 60226-60227 | 13733 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| EB43-EB44 | 60228-60229 | 13734 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| EB45-EB47 | 60230-60232 | 13735 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| EB49 | 60233 | 13736 | 0 | | Reserved | | | F51 | R | |
| EB49-EB4A | 60234-60235 | 13737 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| EB4B-EB4C | 60236-60237 | 13738 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| EB4D-EB4E | 60238-60239 | 13739 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| EB4F-EB50 | 60240-60241 | 13740 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| EB51-EB53 | 60242-60244 | 13741 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| EB55 | 60245 | 13742 | 0 | | Reserved | | | F51 | R | |
| EB55-EB56 | 60246-60247 | 13743 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | **Prior Season** | | | | | |
| | | base=13744 group count=6*16=96, groups | | | **Prior Season Tier 0 (total)**<br>**Prior Season Tier 1**<br>**Prior Season Tier 2**<br>**Prior Season Tier 3**<br>**Prior Season Tier 4** | | | | | |
| EB57-EB58 | 60248-60249 | 13744 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| EB59-EB5A | 60250-60251 | 13745 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| EB5B-EB5C | 60252-60253 | 13746 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| EB5D-EB5F | 60254-60256 | 13747 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| EB61 | 60257 | 13748 | 0 | | Reserved | | | F51 | R | |
| EB61-EB62 | 60258-60259 | 13749 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| EB63-EB64 | 60260-60261 | 13750 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| EB65-EB66 | 60262-60263 | 13751 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| EB67-EB68 | 60264-60265 | 13752 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| EB69-EB6B | 60266-60268 | 13753 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| EB6D | 60269 | 13754 | 0 | | Reserved | | | F51 | R | |
| EB6D-EB6E | 60270-60271 | 13755 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| EB6F-EB70 | 60272-60273 | 13756 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| EB71-EB72 | 60274-60275 | 13757 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EB73-EB74 | 60276-60277 | 13758 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| EB75-EB77 | 60278-60280 | 13759 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| EB79 | 60281 | 13760 | 0 | | Reserved | | | F51 | R | |
| EB79-EB7A | 60282-60283 | 13761 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| EB7B-EB7C | 60284-60285 | 13762 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| EB7D-EB7E | 60286-60287 | 13763 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| EB7F-EB80 | 60288-60289 | 13764 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EB81-EB83 | 60290-60292 | 13765 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EB85 | 60293 | 13766 | 0 | | Reserved | | | F51 | R | |
| EB85-EB86 | 60294-60295 | 13767 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EB87-EB88 | 60296-60297 | 13768 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EB89-EB8A | 60298-60299 | 13769 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EB8B-EB8C | 60300-60301 | 13770 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| EB8D-EB8F | 60302-60304 | 13771 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EB91 | 60305 | 13772 | 0 | | Reserved | | | F51 | R | |
| EB91-EB92 | 60306-60307 | 13773 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EB93-EB94 | 60308-60309 | 13774 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EB95-EB96 | 60310-60311 | 13775 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EB97-EB98 | 60312-60313 | 13776 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EB99-EB9B | 60314-60316 | 13777 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EB9D | 60317 | 13778 | 0 | | Reserved | | | F51 | R | |
| EB9D-EB9E | 60318-60319 | 13779 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EB9F-EBA0 | 60320-60321 | 13780 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| EBA1-EBA2 | 60322-60323 | 13781 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EBA3-EBA4 | 60324-60325 | 13782 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EBA5-EBA7 | 60326-60328 | 13783 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EBA9 | 60329 | 13784 | 0 | | Reserved | | | F51 | R | |
| EBA9-EBAA | 60330-60331 | 13785 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EBAB-EBAC | 60332-60333 | 13786 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EBAD-EBAE | 60334-60335 | 13787 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EBAF-EBB0 | 60336-60337 | 13788 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EBB1-EBB3 | 60338-60340 | 13789 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| EBB5 | 60341 | 13790 | 0 | | Reserved | | | F51 | R | |
| EBB5-EBB6 | 60342-60343 | 13791 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EBB7-EBB8 | 60344-60345 | 13792 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EBB9-EBBA | 60346-60347 | 13793 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EBBB-EBBC | 60348-60349 | 13794 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EBBD-EBBF | 60350-60352 | 13795 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EBC1 | 60353 | 13796 | 0 | | Reserved | | | F51 | R | |
| EBC1-EBC2 | 60354-60355 | 13797 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EBC3-EBC4 | 60356-60357 | 13798 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EBC5-EBC6 | 60358-60359 | 13799 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| EBC7-EBC8 | 60360-60361 | 13800 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EBC9-EBCB | 60362-60364 | 13801 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EBCD | 60365 | 13802 | 0 | | Reserved | | | F51 | R | |
| EBCD-EBCE | 60366-60367 | 13803 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EBCF-EBD0 | 60368-60369 | 13804 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EBD1-EBD2 | 60370-60371 | 13805 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EBD3-EBD4 | 60372-60373 | 13806 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EBD5-EBD7 | 60374-60376 | 13807 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| EBD9 | 60377 | 13808 | 0 | | Reserved | | | F51 | R | |
| EBD9-EBDA | 60378-60379 | 13809 | 0 | | Cumulative Demand for Monitored | | | F52 | R | |
| EBDB-EBDC | 60380-60381 | 13810 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EBDD-EBDE | 60382-60383 | 13811 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EBDF-EBE0 | 60384-60385 | 13812 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| EBE1-EBE3 | 60386-60388 | 13813 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| EBE5 | 60389 | 13814 | 0 | | Reserved | | | F51 | R | |
| EBE5-EBE6 | 60390-60391 | 13815 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| EBE7-EBE8 | 60392-60393 | 13816 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EBE9-EBEA | 60394-60395 | 13817 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| EBEB-EBEC | 60396-60397 | 13818 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| EBED-EBEF | 60398-60400 | 13819 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| EBF1 | 60401 | 13820 | 0 | | Reserved | | | F51 | R | |
| EBF1-EBF2 | 60402-60403 | 13821 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| EBF3-EBF4 | 60404-60405 | 13822 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| EBF5-EBF6 | 60406-60407 | 13823 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| EBF7-EBF8 | 60408-60409 | 13824 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| EBF9-EBFB | 60410-60412 | 13825 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| EBFD | 60413 | 13826 | 0 | | Reserved | | | F51 | R | |
| EBFD-EBFE | 60414-60415 | 13827 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| EBFF-EC00 | 60416-60417 | 13828 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| EC01-EC02 | 60418-60419 | 13829 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| EC03-EC04 | 60420-60421 | 13830 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| EC05-EC07 | 60422-60424 | 13831 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| EC09 | 60425 | 13832 | 0 | | Reserved | | | F51 | R | |
| EC09-EC0A | 60426-60427 | 13833 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| EC0B-EC0C | 60428-60429 | 13834 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| EC0D-EC0E | 60430-60431 | 13835 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| EC0F-EC10 | 60432-60433 | 13836 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| EC11-EC13 | 60434-60436 | 13837 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| EC15 | 60437 | 13838 | 0 | | Reserved | | | F51 | R | |
| EC15-EC16 | 60438-60439 | 13839 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Season Tier 1 | | | | | |
| EC17-EC18 | 60440-60441 | 13840 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| EC19-EC1A | 60442-60443 | 13841 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| EC1B-EC1C | 60444-60445 | 13842 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| EC1D-EC1F | 60446-60448 | 13843 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| EC21 | 60449 | 13844 | 0 | | Reserved | | | F51 | R | |
| EC21-EC22 | 60450-60451 | 13845 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EC23-EC24 | 60452-60453 | 13846 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| EC25-EC26 | 60454-60455 | 13847 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| EC27-EC28 | 60456-60457 | 13848 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| EC29-EC2B | 60458-60460 | 13849 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| EC2D | 60461 | 13850 | 0 | | Reserved | | | F51 | R | |
| EC2D-EC2E | 60462-60463 | 13851 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| EC2F-EC30 | 60464-60465 | 13852 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| EC31-EC32 | 60466-60467 | 13853 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| EC33-EC34 | 60468-60469 | 13854 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| EC35-EC37 | 60470-60472 | 13855 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| EC39 | 60473 | 13856 | 0 | | Reserved | | | F51 | R | |
| EC39-EC3A | 60474-60475 | 13857 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| EC3B-EC3C | 60476-60477 | 13858 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| EC3D-EC3E | 60478-60479 | 13859 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| EC3F-EC40 | 60480-60481 | 13860 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EC41-EC43 | 60482-60484 | 13861 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EC45 | 60485 | 13862 | 0 | | Reserved | | | F51 | R | |
| EC45-EC46 | 60486-60487 | 13863 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EC47-EC48 | 60488-60489 | 13864 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EC49-EC4A | 60490-60491 | 13865 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EC4B-EC4C | 60492-60493 | 13866 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| EC4D-EC4F | 60494-60496 | 13867 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EC51 | 60497 | 13868 | 0 | | Reserved | | | F51 | R | |
| EC51-EC52 | 60498-60499 | 13869 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EC53-EC54 | 60500-60501 | 13870 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EC55-EC56 | 60502-60503 | 13871 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EC57-EC58 | 60504-60505 | 13872 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EC59-EC5B | 60506-60508 | 13873 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EC5D | 60509 | 13874 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EC5D-EC5E | 60510-60511 | 13875 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EC5F-EC60 | 60512-60513 | 13876 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| EC61-EC62 | 60514-60515 | 13877 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EC63-EC64 | 60516-60517 | 13878 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EC65-EC67 | 60518-60520 | 13879 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EC69 | 60521 | 13880 | 0 | | Reserved | | | F51 | R | |
| EC69-EC6A | 60522-60523 | 13881 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EC6B-EC6C | 60524-60525 | 13882 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| EC6D-EC6E | 60526-60527 | 13883 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EC6F-EC70 | 60528-60529 | 13884 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EC71-EC73 | 60530-60532 | 13885 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| EC75 | 60533 | 13886 | 0 | | Reserved | | | F51 | R | |
| EC75-EC76 | 60534-60535 | 13887 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EC77-EC78 | 60536-60537 | 13888 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EC79-EC7A | 60538-60539 | 13889 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EC7B-EC7C | 60540-60541 | 13890 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EC7D-EC7F | 60542-60544 | 13891 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EC81 | 60545 | 13892 | 0 | | Reserved | | | F51 | R | |
| EC81-EC82 | 60546-60547 | 13893 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EC83-EC84 | 60548-60549 | 13894 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EC85-EC86 | 60550-60551 | 13895 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| EC87-EC88 | 60552-60553 | 13896 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EC89-EC8B | 60554-60556 | 13897 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EC8D | 60557 | 13898 | 0 | | Reserved | | | F51 | R | |
| EC8D-EC8E | 60558-60559 | 13899 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EC8F-EC90 | 60560-60561 | 13900 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EC91-EC92 | 60562-60563 | 13901 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EC93-EC94 | 60564-60565 | 13902 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EC95-EC97 | 60566-60568 | 13903 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EC99 | 60569 | 13904 | 0 | | Reserved | | | F51 | R | |
| EC99-EC9A | 60570-60571 | 13905 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| EC9B-EC9C | 60572-60573 | 13906 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EC9D-EC9E | 60574-60575 | 13907 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EC9F-ECA0 | 60576-60577 | 13908 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| ECA1-ECA3 | 60578-60580 | 13909 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| ECA5 | 60581 | 13910 | 0 | | Reserved | | | F51 | R | |
| ECA5-ECA6 | 60582-60583 | 13911 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| ECA7-ECA8 | 60584-60585 | 13912 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| ECA9-ECAA | 60586-60587 | 13913 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| ECAB-ECAC | 60588-60589 | 13914 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| ECAD-ECAF | 60590-60592 | 13915 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| ECB1 | 60593 | 13916 | 0 | | Reserved | | | F51 | R | |
| ECB1-ECB2 | 60594-60595 | 13917 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| ECB3-ECB4 | 60596-60597 | 13918 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| ECB5-ECB6 | 60598-60599 | 13919 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| ECB7-ECB8 | 60600-60601 | 13920 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| ECB9-ECBB | 60602-60604 | 13921 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| ECBD | 60605 | 13922 | 0 | | Reserved | | | F51 | R | |
| ECBD-ECBE | 60606-60607 | 13923 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| ECBF-ECC0 | 60608-60609 | 13924 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| ECC1-ECC2 | 60610-60611 | 13925 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| ECC3-ECC4 | 60612-60613 | 13926 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| ECC5-ECC7 | 60614-60616 | 13927 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| ECC9 | 60617 | 13928 | 0 | | Reserved | | | F51 | R | |
| ECC9-ECCA | 60618-60619 | 13929 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| ECCB-ECCC | 60620-60621 | 13930 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| ECCD-ECCE | 60622-60623 | 13931 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| ECCF-ECD0 | 60624-60625 | 13932 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| ECD1-ECD3 | 60626-60628 | 13933 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| ECD5 | 60629 | 13934 | 0 | | Reserved | | | F51 | R | |
| ECD5-ECD6 | 60630-60631 | 13935 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Season Tier 2 | | | | | |
| ECD7-ECD8 | 60632-60633 | 13936 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| ECD9-ECDA | 60634-60635 | 13937 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| ECDB-ECDC | 60636-60637 | 13938 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| ECDD-ECDF | 60638-60640 | 13939 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| ECE1 | 60641 | 13940 | 0 | | Reserved | | | F51 | R | |
| ECE1-ECE2 | 60642-60643 | 13941 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| ECE3-ECE4 | 60644-60645 | 13942 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| ECE5-ECE6 | 60646-60647 | 13943 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| ECE7-ECE8 | 60648-60649 | 13944 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| ECE9-ECEB | 60650-60652 | 13945 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| ECED | 60653 | 13946 | 0 | | Reserved | | | F51 | R | |
| ECED-ECEE | 60654-60655 | 13947 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| ECEF-ECF0 | 60656-60657 | 13948 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| ECF1-ECF2 | 60658-60659 | 13949 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| ECF3-ECF4 | 60660-60661 | 13950 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| ECF5-ECF7 | 60662-60664 | 13951 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| ECF9 | 60665 | 13952 | 0 | | Reserved | | | F51 | R | |
| ECF9-ECFA | 60666-60667 | 13953 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| ECFB-ECFC | 60668-60669 | 13954 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| ECFD-ECFE | 60670-60671 | 13955 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| ECFF-ED00 | 60672-60673 | 13956 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| ED01-ED03 | 60674-60676 | 13957 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| ED05 | 60677 | 13958 | 0 | | Reserved | | | F51 | R | |
| ED05-ED06 | 60678-60679 | 13959 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| ED07-ED08 | 60680-60681 | 13960 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| ED09-ED0A | 60682-60683 | 13961 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| ED0B-ED0C | 60684-60685 | 13962 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| ED0D-ED0F | 60686-60688 | 13963 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| ED11 | 60689 | 13964 | 0 | | Reserved | | | F51 | R | |
| ED11-ED12 | 60690-60691 | 13965 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| ED13-ED14 | 60692-60693 | 13966 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| ED15-ED16 | 60694-60695 | 13967 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| ED17-ED18 | 60696-60697 | 13968 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| ED19-ED1B | 60698-60700 | 13969 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| ED1D | 60701 | 13970 | 0 | | Reserved | | | F51 | R | |
| ED1D-ED1E | 60702-60703 | 13971 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| ED1F-ED20 | 60704-60705 | 13972 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| ED21-ED22 | 60706-60707 | 13973 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| ED23-ED24 | 60708-60709 | 13974 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| ED25-ED27 | 60710-60712 | 13975 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| ED29 | 60713 | 13976 | 0 | | Reserved | | | F51 | R | |
| ED29-ED2A | 60714-60715 | 13977 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| ED2B-ED2C | 60716-60717 | 13978 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| ED2D-ED2E | 60718-60719 | 13979 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| ED2F-ED30 | 60720-60721 | 13980 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| ED31-ED33 | 60722-60724 | 13981 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| ED35 | 60725 | 13982 | 0 | | Reserved | | | F51 | R | |
| ED35-ED36 | 60726-60727 | 13983 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| ED37-ED38 | 60728-60729 | 13984 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| ED39-ED3A | 60730-60731 | 13985 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| ED3B-ED3C | 60732-60733 | 13986 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| ED3D-ED3F | 60734-60736 | 13987 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| ED41 | 60737 | 13988 | 0 | | Reserved | | | F51 | R | |
| ED41-ED42 | 60738-60739 | 13989 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| ED43-ED44 | 60740-60741 | 13990 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| ED45-ED46 | 60742-60743 | 13991 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| ED47-ED48 | 60744-60745 | 13992 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| ED49-ED4B | 60746-60748 | 13993 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| ED4D | 60749 | 13994 | 0 | | Reserved | | | F51 | R | |
| ED4D-ED4E | 60750-60751 | 13995 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| ED4F-ED50 | 60752-60753 | 13996 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| ED51-ED52 | 60754-60755 | 13997 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| ED53-ED54 | 60756-60757 | 13998 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| ED55-ED57 | 60758-60760 | 13999 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| ED59 | 60761 | 14000 | 0 | | Reserved | | | F51 | R | |
| ED59-ED5A | 60762-60763 | 14001 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| ED5B-ED5C | 60764-60765 | 14002 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| ED5D-ED5E | 60766-60767 | 14003 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| ED5F-ED60 | 60768-60769 | 14004 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| ED61-ED63 | 60770-60772 | 14005 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| ED65 | 60773 | 14006 | 0 | | Reserved | | | F51 | R | |
| ED65-ED66 | 60774-60775 | 14007 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| ED67-ED68 | 60776-60777 | 14008 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| ED69-ED6A | 60778-60779 | 14009 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| ED6B-ED6C | 60780-60781 | 14010 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| ED6D-ED6F | 60782-60784 | 14011 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| ED71 | 60785 | 14012 | 0 | | Reserved | | | F51 | R | |
| ED71-ED72 | 60786-60787 | 14013 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| ED73-ED74 | 60788-60789 | 14014 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| ED75-ED76 | 60790-60791 | 14015 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| ED77-ED78 | 60792-60793 | 14016 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| ED79-ED7B | 60794-60796 | 14017 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| ED7D | 60797 | 14018 | 0 | | Reserved | | | F51 | R | |
| ED7D-ED7E | 60798-60799 | 14019 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| ED7F-ED80 | 60800-60801 | 14020 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| ED81-ED82 | 60802-60803 | 14021 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| ED83-ED84 | 60804-60805 | 14022 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| ED85-ED87 | 60806-60808 | 14023 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| ED89 | 60809 | 14024 | 0 | | Reserved | | | F51 | R | |
| ED89-ED8A | 60810-60811 | 14025 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| ED8B-ED8C | 60812-60813 | 14026 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| ED8D-ED8E | 60814-60815 | 14027 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| ED8F-ED90 | 60816-60817 | 14028 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| ED91-ED93 | 60818-60820 | 14029 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| ED95 | 60821 | 14030 | 0 | | Reserved | | | F51 | R | |
| ED95-ED96 | 60822-60823 | 14031 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Season Tier 3 | | | | | |
| ED97-ED98 | 60824-60825 | 14032 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| ED99-ED9A | 60826-60827 | 14033 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| ED9B-ED9C | 60828-60829 | 14034 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| ED9D-ED9F | 60830-60832 | 14035 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| EDA1 | 60833 | 14036 | 0 | | Reserved | | | F51 | R | |
| EDA1-EDA2 | 60834-60835 | 14037 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| EDA3-EDA4 | 60836-60837 | 14038 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| EDA5-EDA6 | 60838-60839 | 14039 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |
| EDA7-EDA8 | 60840-60841 | 14040 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| EDA9-EDAB | 60842-60844 | 14041 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| EDAD | 60845 | 14042 | 0 | | Reserved | | | F51 | R | |
| EDAD-EDAE | 60846-60847 | 14043 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| EDAF-EDB0 | 60848-60849 | 14044 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| EDB1-EDB2 | 60850-60851 | 14045 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| EDB3-EDB4 | 60852-60853 | 14046 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| EDB5-EDB7 | 60854-60856 | 14047 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| EDB9 | 60857 | 14048 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EDB9-EDBA | 60858-60859 | 14049 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| EDBB-EDBC | 60860-60861 | 14050 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| EDBD-EDBE | 60862-60863 | 14051 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| EDBF-EDC0 | 60864-60865 | 14052 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EDC1-EDC3 | 60866-60868 | 14053 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EDC5 | 60869 | 14054 | 0 | | Reserved | | | F51 | R | |
| EDC5-EDC6 | 60870-60871 | 14055 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EDC7-EDC8 | 60872-60873 | 14056 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EDC9-EDCA | 60874-60875 | 14057 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EDCB-EDCC | 60876-60877 | 14058 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| EDCD-EDCF | 60878-60880 | 14059 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EDD1 | 60881 | 14060 | 0 | | Reserved | | | F51 | R | |
| EDD1-EDD2 | 60882-60883 | 14061 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EDD3-EDD4 | 60884-60885 | 14062 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EDD5-EDD6 | 60886-60887 | 14063 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EDD7-EDD8 | 60888-60889 | 14064 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EDD9-EDDB | 60890-60892 | 14065 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EDDD | 60893 | 14066 | 0 | | Reserved | | | F51 | R | |
| EDDD-EDDE | 60894-60895 | 14067 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EDDF-EDE0 | 60896-60897 | 14068 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |
| EDE1-EDE2 | 60898-60899 | 14069 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EDE3-EDE4 | 60900-60901 | 14070 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EDE5-EDE7 | 60902-60904 | 14071 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EDE9 | 60905 | 14072 | 0 | | Reserved | | | F51 | R | |
| EDE9-EDEA | 60906-60907 | 14073 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EDEB-EDEC | 60908-60909 | 14074 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| EDED-EDEE | 60910-60911 | 14075 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EDEF-EDF0 | 60912-60913 | 14076 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EDF1-EDF3 | 60914-60916 | 14077 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EDF5 | 60917 | 14078 | 0 | | Reserved | | | F51 | R | |
| EDF5-EDF6 | 60918-60919 | 14079 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EDF7-EDF8 | 60920-60921 | 14080 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EDF9-EDFA | 60922-60923 | 14081 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EDFB-EDFC | 60924-60925 | 14082 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EDFD-EDFF | 60926-60928 | 14083 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EE01 | 60929 | 14084 | 0 | | Reserved | | | F51 | R | |
| EE01-EE02 | 60930-60931 | 14085 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EE03-EE04 | 60932-60933 | 14086 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EE05-EE06 | 60934-60935 | 14087 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| EE07-EE08 | 60936-60937 | 14088 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EE09-EE0B | 60938-60940 | 14089 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EE0D | 60941 | 14090 | 0 | | Reserved | | | F51 | R | |
| EE0D-EE0E | 60942-60943 | 14091 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EE0F-EE10 | 60944-60945 | 14092 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EE11-EE12 | 60946-60947 | 14093 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EE13-EE14 | 60948-60949 | 14094 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EE15-EE17 | 60950-60952 | 14095 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| EE19 | 60953 | 14096 | 0 | | Reserved | | | F51 | R | |
| EE19-EE1A | 60954-60955 | 14097 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |
| EE1B-EE1C | 60956-60957 | 14098 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EE1D-EE1E | 60958-60959 | 14099 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EE1F-EE20 | 60960-60961 | 14100 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| EE21-EE23 | 60962-60964 | 14101 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| EE25 | 60965 | 14102 | 0 | | Reserved | | | F51 | R | |
| EE25-EE26 | 60966-60967 | 14103 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| EE27-EE28 | 60968-60969 | 14104 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| EE29-EE2A | 60970-60971 | 14105 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| EE2B-EE2C | 60972-60973 | 14106 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EE2D-EE2F | 60974-60976 | 14107 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| EE31 | 60977 | 14108 | 0 | | Reserved | | | F51 | R | |
| EE31-EE32 | 60978-60979 | 14109 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| EE33-EE34 | 60980-60981 | 14110 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| EE35-EE36 | 60982-60983 | 14111 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| EE37-EE38 | 60984-60985 | 14112 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| EE39-EE3B | 60986-60988 | 14113 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| EE3D | 60989 | 14114 | 0 | | Reserved | | | F51 | R | |
| EE3D-EE3E | 60990-60991 | 14115 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| EE3F-EE40 | 60992-60993 | 14116 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| EE41-EE42 | 60994-60995 | 14117 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| EE43-EE44 | 60996-60997 | 14118 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| EE45-EE47 | 60998-61000 | 14119 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| EE49 | 61001 | 14120 | 0 | | Reserved | | | F51 | R | |
| EE49-EE4A | 61002-61003 | 14121 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| EE4B-EE4C | 61004-61005 | 14122 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| EE4D-EE4E | 61006-61007 | 14123 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| EE4F-EE50 | 61008-61009 | 14124 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| EE51-EE53 | 61010-61012 | 14125 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| EE55 | 61013 | 14126 | 0 | | Reserved | | | F51 | R | |
| EE55-EE56 | 61014-61015 | 14127 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | Prior Season Tier 4 | | | | | |
| EE57-EE58 | 61016-61017 | 14128 | 0 | | Accumulator for Monitored Data Set 1 | | | F64 | R | |
| EE59-EE5A | 61018-61019 | 14129 | 0 | | Peak Demand for Monitored Data Set 1 | | | F120 | R | |
| EE5B-EE5C | 61020-61021 | 14130 | 0 | | Coincident Demand for Monitored Data Set 1 | | | F120 | R | |
| EE5D-EE5F | 61022-61024 | 14131 | 0 | | Timestamp for Monitored Data Set 1 Peak & Coincident Demand | | | F122 | R | |
| EE61 | 61025 | 14132 | 0 | | Reserved | | | F51 | R | |
| EE61-EE62 | 61026-61027 | 14133 | 0 | | Cumulative Demand for Monitored Data Set 1 | | | F52 | R | |
| EE63-EE64 | 61028-61029 | 14134 | 0 | | Accumulator for Monitored Data Set 2 | | | F64 | R | |
| EE65-EE66 | 61030-61031 | 14135 | 0 | | Peak Demand for Monitored Data Set 2 | | | F120 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EE67-EE68 | 61032-61033 | 14136 | 0 | | Coincident Demand for Monitored Data Set 2 | | | F120 | R | |
| EE69-EE6B | 61034-61036 | 14137 | 0 | | Timestamp for Monitored Data Set 2 Peak & Coincident Demand | | | F122 | R | |
| EE6D | 61037 | 14138 | 0 | | Reserved | | | F51 | R | |
| EE6D-EE6E | 61038-61039 | 14139 | 0 | | Cumulative Demand for Monitored Data Set 2 | | | F52 | R | |
| EE6F-EE70 | 61040-61041 | 14140 | 0 | | Accumulator for Monitored Data Set 3 | | | F64 | R | |
| EE71-EE72 | 61042-61043 | 14141 | 0 | | Peak Demand for Monitored Data Set 3 | | | F120 | R | |
| EE73-EE74 | 61044-61045 | 14142 | 0 | | Coincident Demand for Monitored Data Set 3 | | | F120 | R | |
| EE75-EE77 | 61046-61048 | 14143 | 0 | | Timestamp for Monitored Data Set 3 Peak & Coincident Demand | | | F122 | R | |
| EE79 | 61049 | 14144 | 0 | | Reserved | | | F51 | R | |
| EE79-EE7A | 61050-61051 | 14145 | 0 | | Cumulative Demand for Monitored Data Set 3 | | | F52 | R | |
| EE7B-EE7C | 61052-61053 | 14146 | 0 | | Accumulator for Monitored Data Set 4 | | | F64 | R | |
| EE7D-EE7E | 61054-61055 | 14147 | 0 | | Peak Demand for Monitored Data Set 4 | | | F120 | R | |
| EE7F-EE80 | 61056-61057 | 14148 | 0 | | Coincident Demand for Monitored Data Set 4 | | | F120 | R | |
| EE81-EE83 | 61058-61060 | 14149 | 0 | | Timestamp for Monitored Data Set 4 Peak & Coincident Demand | | | F122 | R | |
| EE85 | 61061 | 14150 | 0 | | Reserved | | | F51 | R | |
| EE85-EE86 | 61062-61063 | 14151 | 0 | | Cumulative Demand for Monitored Data Set 4 | | | F52 | R | |
| EE87-EE88 | 61064-61065 | 14152 | 0 | | Accumulator for Monitored Data Set 5 | | | F64 | R | |
| EE89-EE8A | 61066-61067 | 14153 | 0 | | Peak Demand for Monitored Data Set 5 | | | F120 | R | |
| EE8B-EE8C | 61068-61069 | 14154 | 0 | | Coincident Demand for Monitored Data Set 5 | | | F120 | R | |
| EE8D-EE8F | 61070-61072 | 14155 | 0 | | Timestamp for Monitored Data Set 5 Peak & Coincident Demand | | | F122 | R | |
| EE91 | 61073 | 14156 | 0 | | Reserved | | | F51 | R | |
| EE91-EE92 | 61074-61075 | 14157 | 0 | | Cumulative Demand for Monitored Data Set 5 | | | F52 | R | |
| EE93-EE94 | 61076-61077 | 14158 | 0 | | Accumulator for Monitored Data Set 6 | | | F64 | R | |
| EE95-EE96 | 61078-61079 | 14159 | 0 | | Peak Demand for Monitored Data Set 6 | | | F120 | R | |
| EE97-EE98 | 61080-61081 | 14160 | 0 | | Coincident Demand for Monitored Data Set 6 | | | F120 | R | |
| EE99-EE9B | 61082-61084 | 14161 | 0 | | Timestamp for Monitored Data Set 6 Peak & Coincident Demand | | | F122 | R | |
| EE9D | 61085 | 14162 | 0 | | Reserved | | | F51 | R | |
| EE9D-EE9E | 61086-61087 | 14163 | 0 | | Cumulative Demand for Monitored Data Set 6 | | | F52 | R | |
| EE9F-EEA0 | 61088-61089 | 14164 | 0 | | Accumulator for Monitored Data Set 7 | | | F64 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EEA1-EEA2 | 61090-61091 | 14165 | 0 | | Peak Demand for Monitored Data Set 7 | | | F120 | R | |
| EEA3-EEA4 | 61092-61093 | 14166 | 0 | | Coincident Demand for Monitored Data Set 7 | | | F120 | R | |
| EEA5-EEA7 | 61094-61096 | 14167 | 0 | | Timestamp for Monitored Data Set 7 Peak & Coincident Demand | | | F122 | R | |
| EEA9 | 61097 | 14168 | 0 | | Reserved | | | F51 | R | |
| EEA9-EEAA | 61098-61099 | 14169 | 0 | | Cumulative Demand for Monitored Data Set 7 | | | F52 | R | |
| EEAB-EEAC | 61100-61101 | 14170 | 0 | | Accumulator for Monitored Data Set 8 | | | F64 | R | |
| EEAD-EEAE | 61102-61103 | 14171 | 0 | | Peak Demand for Monitored Data Set 8 | | | F120 | R | |
| EEAF-EEB0 | 61104-61105 | 14172 | 0 | | Coincident Demand for Monitored Data Set 8 | | | F120 | R | |
| EEB1-EEB3 | 61106-61108 | 14173 | 0 | | Timestamp for Monitored Data Set 8 Peak & Coincident Demand | | | F122 | R | |
| EEB5 | 61109 | 14174 | 0 | | Reserved | | | F51 | R | |
| EEB5-EEB6 | 61110-61111 | 14175 | 0 | | Cumulative Demand for Monitored Data Set 8 | | | F52 | R | |
| EEB7-EEB8 | 61112-61113 | 14176 | 0 | | Accumulator for Monitored Data Set 9 | | | F64 | R | |
| EEB9-EEBA | 61114-61115 | 14177 | 0 | | Peak Demand for Monitored Data Set 9 | | | F120 | R | |
| EEBB-EEBC | 61116-61117 | 14178 | 0 | | Coincident Demand for Monitored Data Set 9 | | | F120 | R | |
| EEBD-EEBF | 61118-61120 | 14179 | 0 | | Timestamp for Monitored Data Set 9 Peak & Coincident Demand | | | F122 | R | |
| EEC1 | 61121 | 14180 | 0 | | Reserved | | | F51 | R | |
| EEC1-EEC2 | 61122-61123 | 14181 | 0 | | Cumulative Demand for Monitored Data Set 9 | | | F52 | R | |
| EEC3-EEC4 | 61124-61125 | 14182 | 0 | | Accumulator for Monitored Data Set 10 | | | F64 | R | |
| EEC5-EEC6 | 61126-61127 | 14183 | 0 | | Peak Demand for Monitored Data Set 10 | | | F120 | R | |
| EEC7-EEC8 | 61128-61129 | 14184 | 0 | | Coincident Demand for Monitored Data Set 10 | | | F120 | R | |
| EEC9-EECB | 61130-61132 | 14185 | 0 | | Timestamp for Monitored Data Set 10 Peak & Coincident Demand | | | F122 | R | |
| EECD | 61133 | 14186 | 0 | | Reserved | | | F51 | R | |
| EECD-EECE | 61134-61135 | 14187 | 0 | | Cumulative Demand for Monitored Data Set 10 | | | F52 | R | |
| EECF-EED0 | 61136-61137 | 14188 | 0 | | Accumulator for Monitored Data Set 11 | | | F64 | R | |
| EED1-EED2 | 61138-61139 | 14189 | 0 | | Peak Demand for Monitored Data Set 11 | | | F120 | R | |
| EED3-EED4 | 61140-61141 | 14190 | 0 | | Coincident Demand for Monitored Data Set 11 | | | F120 | R | |
| EED5-EED7 | 61142-61144 | 14191 | 0 | | Timestamp for Monitored Data Set 11 Peak & Coincident Demand | | | F122 | R | |
| EED9 | 61145 | 14192 | 0 | | Reserved | | | F51 | R | |
| EED9-EEDA | 61146-61147 | 14193 | 0 | | Cumulative Demand for Monitored Data Set 11 | | | F52 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EEDB-EEDC | 61148-61149 | 14194 | 0 | | Accumulator for Monitored Data Set 12 | | | F64 | R | |
| EEDD-EEDE | 61150-61151 | 14195 | 0 | | Peak Demand for Monitored Data Set 12 | | | F120 | R | |
| EEDF-EEE0 | 61152-61153 | 14196 | 0 | | Coincident Demand for Monitored Data Set 12 | | | F120 | R | |
| EEE1-EEE3 | 61154-61156 | 14197 | 0 | | Timestamp for Monitored Data Set 12 Peak & Coincident Demand | | | F122 | R | |
| EEE5 | 61157 | 14198 | 0 | | Reserved | | | F51 | R | |
| EEE5-EEE6 | 61158-61159 | 14199 | 0 | | Cumulative Demand for Monitored Data Set 12 | | | F52 | R | |
| EEE7-EEE8 | 61160-61161 | 14200 | 0 | | Accumulator for Monitored Data Set 13 | | | F64 | R | |
| EEE9-EEEA | 61162-61163 | 14201 | 0 | | Peak Demand for Monitored Data Set 13 | | | F120 | R | |
| EEEB-EEEC | 61164-61165 | 14202 | 0 | | Coincident Demand for Monitored Data Set 13 | | | F120 | R | |
| EEED-EEEF | 61166-61168 | 14203 | 0 | | Timestamp for Monitored Data Set 13 Peak & Coincident Demand | | | F122 | R | |
| EEF1 | 61169 | 14204 | 0 | | Reserved | | | F51 | R | |
| EEF1-EEF2 | 61170-61171 | 14205 | 0 | | Cumulative Demand for Monitored Data Set 13 | | | F52 | R | |
| EEF3-EEF4 | 61172-61173 | 14206 | 0 | | Accumulator for Monitored Data Set 14 | | | F64 | R | |
| EEF5-EEF6 | 61174-61175 | 14207 | 0 | | Peak Demand for Monitored Data Set 14 | | | F120 | R | |
| EEF7-EEF8 | 61176-61177 | 14208 | 0 | | Coincident Demand for Monitored Data Set 14 | | | F120 | R | |
| EEF9-EEFB | 61178-61180 | 14209 | 0 | | Timestamp for Monitored Data Set 14 Peak & Coincident Demand | | | F122 | R | |
| EEFD | 61181 | 14210 | 0 | | Reserved | | | F51 | R | |
| EEFD-EEFE | 61182-61183 | 14211 | 0 | | Cumulative Demand for Monitored Data Set 14 | | | F52 | R | |
| EEFF-EF00 | 61184-61185 | 14212 | 0 | | Accumulator for Monitored Data Set 15 | | | F64 | R | |
| EF01-EF02 | 61186-61187 | 14213 | 0 | | Peak Demand for Monitored Data Set 15 | | | F120 | R | |
| EF03-EF04 | 61188-61189 | 14214 | 0 | | Coincident Demand for Monitored Data Set 15 | | | F120 | R | |
| EF05-EF07 | 61190-61192 | 14215 | 0 | | Timestamp for Monitored Data Set 15 Peak & Coincident Demand | | | F122 | R | |
| EF09 | 61193 | 14216 | 0 | | Reserved | | | F51 | R | |
| EF09-EF0A | 61194-61195 | 14217 | 0 | | Cumulative Demand for Monitored Data Set 15 | | | F52 | R | |
| EF0B-EF0C | 61196-61197 | 14218 | 0 | | Accumulator for Monitored Data Set 16 | | | F64 | R | |
| EF0D-EF0E | 61198-61199 | 14219 | 0 | | Peak Demand for Monitored Data Set 16 | | | F120 | R | |
| EF0F-EF10 | 61200-61201 | 14220 | 0 | | Coincident Demand for Monitored Data Set 16 | | | F120 | R | |
| EF11-EF13 | 61202-61204 | 14221 | 0 | | Timestamp for Monitored Data Set 16 Peak & Coincident Demand | | | F122 | R | |
| EF15 | 61205 | 14222 | 0 | | Reserved | | | F51 | R | |

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|---|---|---|---|---|---|---|---|---|---|---|
| EF15-EF16 | 61206-61207 | 14223 | 0 | | Cumulative Demand for Monitored Data Set 16 | | | F52 | R | |
| | | | | | One cycle: Extra Readings | | | | | |
| EF17H | 61208 | 14248 | 0 | | One cycle Total Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| EF18H | 61209 | 14249 | 1 | | One cycle Phase C Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| EF19H | 61210 | 14249 | 2 | | One cycle Phase B Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| EF1AH | 61211 | 14249 | 3 | | One cycle Phase A Power Factor | 3.999 / 0.000 | 0.001 PF | F8 | R | |
| | | | | | TOU: Extra Readings | | | | | |
| EF1BH-EF34H | 61212-61237 | | | | TOU Previous Month Scaled Energy Formats, 1-52, 2 formats per register | | | F65 | R | |
| EF35H-EF4EH | 61238-61263 | | | | TOU Previous Season Scaled Energy Formats, 1-52, 2 formats per register | | | F65 | R | |
| EF4FH-EF56H | 61264-61271 | | | | TOU Previous Month Scaled Energy IDs, 1-16, 1 ID for each data set, 2 IDs per register. 0=no scaled energy format assigned, valid settings are 1-52 | | | F47/ F49 | R | |
| EF57H-EF5EH | 61272-61279 | | | | TOU Previous Season Scaled Energy IDs, 1-16, 1 ID for each data set, 2 IDs per register. 0=no scaled energy format assigned, valid settings are 1-52. | | | F47/ F49 | R | |
| EF5FH-EF66H | 61280-61287 | | | | TOU Previous Month coincident demand type IDs, 1-16, 1 ID for each data set, 2 IDs per register. For PF type data, ID=0, not assigned. For VAR type data, valid settings are 2,3,6,8,11,13,25,26. | | | F47/ F49 | R | |
| EF67H-EF6EH | 61288-61295 | | | | TOU Previous Season coincident demand type IDs, 1-16, 1 ID for each data set, 2 IDs per register. For PF type data, ID=0, not assigned. For VAR type data, valid settings are 2,3,6,8,11,13,25,26. | | | F47/ F49 | R | |
| EF6FH | 61296 | | | | TOU Previous Month Status Bits (Format is same as in holding register 0x8807) | | | F51 | R | |
| EF70H | 61297 | | | | TOU Previous Season Status Bits (Format is same as in holding register 0x8807) | | | F51 | R | |
| EF71H-EF73H | 61298-61300 | | | | Last month start time | | | F122 | R | |
| EF74H-EF76H | 61301-61302 | | | | Current month start time | | | F122 | R | |
| EF77H-EF79H | 61303-61305 | | | | Last season/week/day start time | | | F122 | R | |
| EF7AH-EF7CH | 61306-61308 | | | | Current season/week/day start time | | | F122 | R | |
| | | | | | | | | | | |
| | | | | | Device Hardware Information Block | | | | | |
| F000H-F007H | 61441-61448 | | | | name of board#1 | | | F1 | R | |
| F001H-F00FH | 61449-61456 | | | | serial number of board#1 | | | F1 | R | |
| F010H-F017H | 61457-61464 | | | | board number of board#1 | | | F1 | R | |
| F018H-F01FH | 61465-61472 | | | | rev of board#1 | | | F1 | R | |
| F020H-F027H | 61473-61480 | | | | test status of board#1 | | | F1 | R | |
| F028H-F02FH | 61481-61488 | | | | test date of board#1 | | | F1 | R | |
| F030H-F03FH | 61489-61504 | | | | reserved | | | | | |
| F040H-F047H | 61505-61512 | | | | name of board#2 | | | F1 | R | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| F041H-F04FH | 61513-61520 | | | | serial number of board#2 | | | F1 | R | |
| F050H-F057H | 61521-61528 | | | | board number of board#2 | | | F1 | R | |
| F058H-F05FH | 61529-61536 | | | | rev of board#2 | | | F1 | R | |
| F060H-F067H | 61537-61544 | | | | test status of board#2 | | | F1 | R | |
| F068H-F06FH | 61545-61552 | | | | test date of board#2 | | | F1 | R | |
| F070H-F07FH | 61553-61568 | | | | reserved | | | | | |
| F080H-F087H | 61569-61576 | | | | name of board#3 | | | F1 | R | |
| F088H-F08FH | 61577-61584 | | | | serial number of board#3 | | | F1 | R | |
| F090H-F097H | 61585-61592 | | | | board number of board#3 | | | F1 | R | |
| F098H-F09FH | 61593-61600 | | | | rev of board#3 | | | F1 | R | |
| F0A0H-F0A7H | 61601-61608 | | | | test status of board#3 | | | F1 | R | |
| F0A8H-F0AFH | 61609-61616 | | | | test date of board#3 | | | F1 | R | |
| F0B0H-F0BFH | 61617-61632 | | | | reserved | | | | | |
| F0C0H-F1FFH | 61639-61952 | | | | | | | | | |
| F200H-F20FH | 61953-61968 | | | | compact flash card model | | | | | |
| F210H-F21FH | 61969-61984 | | | | compact flash card serial number | | | | | |
| F220H-F227H | 61985-61992 | | | | compact flash card firmware id | | | F1 | R | |
| F228H-F22FH | 61993-62000 | | | | compacf flash card file partition type | | | F1 | R | |
| F230H-F237H | 62001-62008 | | | | cpu type | | | F1 | R | |
| F238H-F23FH | 62009-62016 | | | | cpu clock frequency | | | F1 | R | |
| F240H-F247H | 62017-62024 | | | | cpu rev | | | F1 | R | |
| F248H-F24FH | 62025-62032 | | | | cpu rev id | | | F1 | R | |
| F250H-F257H | 62033-62040 | | | | cpu platform | | | F1 | R | |
| F258H-F25FH | 62041-62048 | | | | cpu memory size | | | F1 | R | |
| F260H-F267H | 62049-62056 | | | | fpga hardware id or trace id | | | F1 | R | |
| F268H-F26FH | 62057-62064 | | | | fpga firmware id | | | F1 | R | |
| F270H-F277H | 62065-62072 | | | | dsp runtime version | | | F1 | R | |
| F278H-F27FH | 62073-62080 | | | | dsp runtime buildtime | | | F1 | R | |
| F280H-F287H | 62081-62088 | | | | preboot version | | | F1 | R | |
| F288H-F28FH | 62089-62096 | | | | preboot build tune | | | F1 | R | |
| F290H-F2AFH | 62097-62128 | | | | uboot id user1 copy | | | | R | |
| F2B0H-F2CFH | 62129-62160 | | | | uboot id user2 copy | | | | R | |
| F2D0H-F2EFH | 62161-62192 | | | | uboot id factory copy | | | | R | |
| F2F0H-F2FFH | 62193-62208 | | | | linux kernel name | | | | R | |
| F300H-F30FH | 62209-62224 | | | | linux kernel version | | | | R | |
| F310H-F317H | 62225-62232 | | | | kernel module ucc_dsp version | | | F1 | R | |
| F318H-F31FH | 62233-62240 | | | | | | | | | |
| F320H-F32DH | 62241-62254 | | | | modbus map version, disk copy | | | F1 | R | |
| F32EH-F32FH | 62255-62256 | | | | | | | | | |
| F330H-F33DH | 62257-62270 | | | | modbus map version, ram copy | | | F1 | R | |
| F33EH-F33FH | 62271-62272 | | | | | | | | | |
| F340H-F34DH | 62273-62286 | | | | apps archive version | | | F1 | R | |
| F34EH-F34FH | 62287-62288 | | | | | | | | | |
| F350H-F35DH | 62289-62302 | | | | apps archive buildtime | | | F1 | R | |
| F35EH-F35FH | 62303-62304 | | | | | | | | | |
| F360H-F36DH | 62305-62318 | | | | web archive version | | | F1 | R | |
| F36EH-F36FH | 62319-62320 | | | | | | | | | |
| F370H-F37DH | 62321-62334 | | | | web archive buildtime | | | F1 | R | |
| F37EH-F37FH | 62335-62336 | | | | | | | | | |
| F380H-F388FH | 62337-62345 | | | | MAC address for port5, ethernet0 | | | F1 | R | |
| F389H-F38FH | 62346-62352 | | | | | | | | | |
| F390H-F398H | 62353-62361 | | | | MAC address for port6, ethernet1 | | | F1 | R | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| F399H-F39FH | 62362-62368 | | | | | | | | | |

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 3: Communication Data Formats

## 3.1 Introduction

This chapter expands upon information listed in Chapter 2 *"Modbus Register Map"*. Section Headings (F1, F2, etc.) refer to the value in the Register Map "Type" column.

## 3.2 Type F1 Null Terminated ASCII String

Length: Depends on the reading.

Each register contains two bytes. Each byte stands for an ASCII character. The printable portion of the string is terminated with a Null character (ASCII 00H). Any characters after the terminating Null are ignored.

Example:

Registers 00001 – 00008, the Device Name, might contain the following data:

| **Address** | 00001 | | 00002 | | 00003 | | 00004 | | 00005 | | 00006 | | 00007 | | 00008 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 3031H | | 3731H | | 204EH | | 6578H | | 7573H | | 2031H | | 3435H | | 3000H | |
| **Bytes** | 30H | 31H | 37H | 31H | 20H | 43H | 65H | 78H | 75H | 73H | 20H | 31H | 34H | 35H | 30H | 00H |
| **ASCII** | '0' | '1' | '7' | '1' | '' | 'N' | 'e' | 'x' | 'u' | 's' | '' | '1' | '4' | '5' | '0' | Null |
| **Register** | "01" | | "71" | | "E" | | "P" | | "M" | | "9" | | "70" | | "0" | |
| **String** | "0171 EPM 9700" | | | | | | | | | | | | | | | |

## 3.3 Type F2 Fixed Length ASCII String

Length: Depends on the reading.

Each register contains two bytes. Each byte stands for an ASCII character. All bytes are significant. There is no terminating character.

Example:

Registers 00073 – 00074, the EPM 9700 Comm Boot Version Number, might contain the following data:

| **Address** | 00073 | | 00074 | |
|---|---|---|---|---|
| **Value** | 3030H | | 3134H | |
| **Bytes** | 30H | 30H | 31H | 31H |
| **ASCII** | '0' | '0' | '1' | '1' |
| **Register** | "00" | | "14" | |
| **String** | "0014" | | | |

## 3.4 Type F3 Time Stamp

Length: 4 Registers (8 bytes)

Order: Least significant byte first

Range: 2/31/999 23:59:59:99

Unit: 10 ms

Each register contains two bytes. Each byte contains a binary number representing up to two digits in a part of date and time. The units for each byte are century, year, month, date, hour, minute, second and 10 millisecond. Hour is in 24-hour form, 00H = 0 = 12 AM, 01H = 1 = 1 AM, ..., 0BH = 11 = 11 AM, 0CH = 12 = 12 PM, 0DH = 13 = 1 PM, ..., 17H = 23 = 11 PM.

Example:

Registers 00081 – 00084, On Time, might contain the following data:

| **Address** | 00081 | | 00082 | | 00083 | | 00084 | |
|---|---|---|---|---|---|---|---|---|
| **Value** | 140EH | | 0619H | | 0913H | | 3056H | |
| **Bytes** | 14H | 0EH | 06H | 19H | 09H | 13H | 30H | 56H |
| **Decimal** | 20 | 14 | 6 | 25 | 9 | 19 | 48 | 86 |
| **Unit** | Century | Year | Month | Date | Hour | Minute | Second | 10 Millisecond |
| **Date** | June 25, 2014 9:19:48:86 AM | | | | | | | |

## 3.5 Type F4 Day of Week

Length: 1 Register (2 bytes)

This register contains a 16-bit number, associated with the days of the week as follows:

| Value | Day of the Week | Value | Day of the Week |
|---|---|---|---|
| 0001H | Sunday | 0005H | Thursday |
| 0002H | Monday | 0006H | Friday |
| 0003H | Tuesday | 0007H | Saturday |
| 0004H | Wednesday | | |

## 3.6 Type F6 High Speed Input Delta and Current State

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in each byte are associated with the 8 High Speed Inputs, the least significant bit with Input 1, through to the most significant bit with Input 8.

The most significant byte contains Delta information about High Speed Inputs; the least significant byte contains the Current State of the High Speed Inputs. For Delta bits, a bit value of 1 means one or more were noticed on this input during the last cycle, a bit value of 0 means no changes were noticed on this input during the last cycle. For Current State bits, a bit value of 1 means the input is open, a bit value of 0 means the input is closed.

Example:

Register 00118, 1 cycle High Speed Input Delta and Current State, might contain the following data.

| **Address** | 00118 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| | High Speed Input Delta | | | | | | | | High Speed Input Current State | | | | | | | |
| | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| **Meaning** | _ | _ | _ | _ | _ | Change | _ | _ | Clsd | Opn | Opn | Clsd | Clsd | Clsd | Clsd | Opn |
| **Interpretation** | Inputs 7, 6, and ,and 1 are now open and Input 3 changed state at least once during the last cycle. | | | | | | | | | | | | | | | |

## 3.7 Type F7 Secondary Voltage, Current, VA, VAR, Watts, Hz or Flicker

Length: 2 Registers (4 bytes)

Range: +32767 / -32768

Unit: 1/65536 V, A, VA, VAR, W or Hz

The registers together contain a four-byte signed (2's compliment) integer. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

Example:

Registers 00153 – 00154, Tenth second Phase A VAR might contain the following data:

| **Address** | 00153 | 00154 |
|---|---|---|
| **Value** | 0001H | 4000H |
| **4-byte signed integer (Hex)** | 00014000H | |
| **Most significant bit** | 0 | |
| **4-byte integer (Decimal)** | +81920 | |
| **1/65536 VAR Secondary** | +1.25 VAR secondary | |

Register 00153 – 00154, Tenth second Phase A VAR, might contain the following data:

| **Address** | 00153 | 00154 |
|---|---|---|
| **Value** | FFFEH | C000H |
| **4-byte signed integer (Hex)** | FFFEC000H | |
| **Most significant bit** | 1 | |
| **Compliment** | 00013FFFH | |
| **Increment** | 00014000H | |
| **4-byte integer (Decimal)** | -81920 | |
| **1/65536 VAR Secondary** | -1.25 VAR secondary | |

## 3.8 Type F8 Power Factor

Length: 1 Register (2 bytes)

Range: 3.999 / 0.000

Unit: 0.001 PF

This register contains a 16 bit unsigned number. This number varies from 0000H – 0F9FH, or 0 to 3999 in decimal. This representation allows for expressing Power Factor from 0 to 1 in the four quadrants, as follows:

| Quadrant | Value | | PF | Value | | PF | Value | | PF |
|---|---|---|---|---|---|---|---|---|---|
| | Hex | Dec | | Hex | Dec | | Hex | Dec | |
| 1 | 0000H | 0 | 0.0000 | 01F4H | 500 | 0.500 | 03E7H | 999 | 0.999 |
| 4 | 03E8H | 1000 | 1.000 | 05DCH | 1500 | 0.500 | 07CFH | 1999 | 0.001 |
| 3 | 07D0H | 2000 | 0.0000 | 09c4h | 2500 | 0.500 | 0bb7h | 2999 | 0.999 |
| 2 | 0bb8h | 3000 | 1.000 | 0dach | 3500 | 0.500 | 0f9fh | 3999 | 0.001 |

Application of sign and lead/lag labels (is 9CFH -0.500 Lead or +0.500 Lag) depends on the Programmable Setting called Power Factor Labeling, located in Register 46019, described in Section 6.16 *Energy Direction Block (46019)* on page 6–12.

Example:

Register 00171, Tenth second Phase A Power Factor, might contain the data shown below.

| | |
|---|---|
| **Address** | 00171 |
| **Value** | 0C10H |
| **Decimal** | 3088 |
| **PF** | Q2, 0.912 |

Example:

Register 00171, Tenth second Phase A Power Factor, might contain the data: shown below.

| | |
|---|---|
| Address | 00171 |
| Value | 0390H |
| Decimal | 912 |
| PF | Q1, 0.912 |

## 3.9 Type F9 Angle

Length: 1 Register (2 byte)

Range: +180 / -180

Unit: 0.01 degree

This register contains a 16-bit signed (2's compliment) number. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

Example:

Register 00175, Tenth second Phase A-N Voltage to Auxiliary Voltage Phase Angle, might contain the following data:

| | |
|---|---|
| **Address** | 00175 |
| **Value** | 08BBH |
| **Most significant bit** | 0 |
| **Decimal** | +2235 |
| **Angle** | +22.35 Degrees |

Example:

Register 00175, Tenth second Phase A-N Voltage to Auxiliary Voltage Phase Angle, might contain the following data.

| | |
|---|---|
| **Address** | 00175 |
| **Value** | F745H |
| **Most significant bit** | 1 |
| **Compliment** | 08BAH |
| **Increment** | 08BBH |
| **Decimal** | -2235 |
| **Angle** | -22.35 Degrees |

## 3.10 Type F10 Percentage

Length: 1 Register (2 bytes)

Range: +327.67% / - 327.68%

Unit: 0.01%

This register contains a 16-bit signed (2's compliment) number. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

Example:

Register 00234, One second Voltage Imbalance, might contain the following data:

| | |
|---|---|
| **Address** | 00234 |
| **Value** | 08BBH |
| **Most significant bit** | 0 |
| **Decimal** | +2235 |
| **Percent** | +22.35% |

Example:

Register 00234, One second Voltage Imbalance, might contain the following data:

| | |
|---|---|
| **Address** | 00234 |
| **Value** | F745H |
| **Most significant bit** | 1 |
| **Compliment** | 08BAH |
| **Increment** | 08BBH |
| **Decimal** | -2235 |
| **Percent** | -22.35% |

## 3.11 Type F11 Energy Counter (Packed BCD / Secondary)

Length: 4 Registers (8 bytes)

Range: 9,999,999,999,999,999 / 0 VAh, VARh or Wh secondary

Unit: 1 VAh, VARh or Wh secondary

These registers contain 8 bytes of Packed BCD. Each register contains 2 bytes. Each byte contains 2 nibbles. Each nibble represents a decimal digit from 0-9. All together, there are 16 nibbles, and therefore a 16-digit decimal number can be represented.

Example:

Registers 00982 – 00985, VAhour, might contain the following data:

| **Address** | 00982 | | | | 00983 | | | | 00984 | | | | 00985 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 000H | | | | 0001H | | | | 0534H | | | | 1284H | | | |
| **Bytes** | 00H | | 00H | | 00H | | 01H | | 05H | | 34H | | 12H | | 84H | |
| **Nibbles** | 0H | 0H | 0H | 0H | 0H | 0H | 0H | 1H | 0H | 5H | 3H | 4H | 1H | 2H | 8H | 4H |
| **Digit** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 3 | 4 | 1 | 2 | 8 | 4 |
| **Unit** | P | T | | | G | | | M | | | k | | | | | |
| **VAh** | 105,341,284 VAh secondary | | | | | | | | | | | | | | | |

## 3.12 Type F12 Energy Counter (Binary / Secondary)

Length: 4 Registers (8 bytes)

Range: 9,999,999,999,999,999 / 0 VAh, VARh or Wh secondary

Unit: 1 VAh, VARh or Wh secondary

These registers contain an 8-byte unsigned integer.

Example:

Registers 01002-01005, VAhour, might contain the following data:

| **Address** | 01002 | 01003 | 01004 | 01005 |
|---|---|---|---|---|
| **Value** | 0000H | 0000H | 0647H | 6164H |
| **8-byte unsigned integer (Hex)** | 0000000006476164H | | | |
| **Decimal** | 105341284 | | | |
| **VAh** | 105,341,284 VAh secondary | | | |

## 3.13 Type F13 Phase Sequence

Length: 1 Register (2 bytes)

This register contains a 16-bit unsigned integer, associated with the Phase Sequence as follows:

| **Value (Hex)** | **Phase Sequence** |
|---|---|
| 0000H | A-B-C |
| 0001H | C-B-A |

## 3.14 Type F14 - Block/Rolling Window Average Status

Length: 1 Register (2 bytes)

This register contains a 16-bit unsigned integer, associated with the Average Status as follows:

| **Value (Hex)** | **Average Status** |
|---|---|
| 0000H | Not yet available |
| 0001H | Available |

This is the Status Register for Block Window Average (02605-02683) and Rolling Window Average (02684-02768).

If a value is not yet computed by the EPM 9700 device, the Status value will be zero. When the value is zero, GE Communicator software displays asterisks for values.

In Modbus, a value will be returned based on the type of reading.

- Negative Maximums and Positive Minimums return: 7FFFFFFFH or 2,147,483,647.

- Positive Maximums and Negative Minimums return: 80000000H or +/- 2,147,483,647.

No Timestamp will be assigned to the reading.

## 3.15 Type F15 Limit States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Limits, the most significant bit of the most significant byte with Limit 1 (or 17), through to the least significant bit of the least significant byte with Limit 16 (or 32).

A bit value of 1 means that the particular limit has been passed, while a bit value of 0 means that the particular limit has not been passed.

Example:

Register 02769, Limit States, Value 1 Comparison, 1–16, might contain the following data:

| **Address** | 02769 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Points** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Limit** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **Passed** | No | No | No | No | No | Yes | No | No | No | Yes | Yes | No | No | No | No | Yes |
| **Interpretation** | Limits 6, 10, 11, and 16 are currently passed; all others are not passed. | | | | | | | | | | | | | | | |

## 3.16 Type F16 Low Speed (Internal) Input States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in the most significant byte are associated with the eight Status Inputs, the most significant bit with input 8, through to the least significant bit with Input 1. The least significant byte is undefined.

A bit value of 1 means the input is open; a bit value of 0 means the input is closed.

Example:

Register 02773, Low Speed Input States, might contain the following data:

| **Address** | 02773 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 5100H | | | | | | | | | | | | | | | |
| **Bytes** | 51H | | | | | | | | 00H | | | | | | | |
| **Bits** | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | Undefined | | | | | | | |
| **Input** | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| **Meaning** | Clsd | Opn | Clsd | Opn | Clsd | Clsd | Clsd | Opn | | | | | | | | |
| **Interpretation** | Inputs 7, 5, and 1 are open; all other inputs are closed. | | | | | | | | | | | | | | | |

## 3.17 Type F17 Digital Input States in Digital Input Option Board

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in the Most significant byte are associated with the eight Digital Inputs in a Digital Input Option board, the most significant bit with input 8, through to the least significant bit with Input 1. The least significant byte is undefined.

A bit value of 1 means the input is open; a bit value of 0 means the input is closed.

Example: Register 0AD5H, Digital Input States, Digital Input Option board in Slot 3, might contain the following data:

| Address (Hex) | 0AD5H | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Value | 5100H | | | | | | | | | | | | | | | |
| Bytes | 51H | | | | | | | | 00H | | | | | | | |
| Bits | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| Point | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | Digital Input States | | | | | | | | Undefined | | | | | | | |
| Input | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | | |
| Meaning | Closed | Open | Closed | Open | Closed | Closed | Closed | Open | | | | | | | | |
| Interpretation | Inputs 7, 5 and 1 are open; all other inputs are closed. | | | | | | | | | | | | | | | |

## 3.18 Type F18 Digital Input Option Board Input Accumulation / Cumulative Demand

Length Registers (4 bytes)

Range 4,294,967,295/0

Unit Accumulated Transitions, Accumulated Primary Watts

These registers contain a 4 byte unsigned integer.

Example:

Registers 0AD6H-0AD7H, Input Accumulation 1, Digital Input Option Board in slot 3, might contain the following data:

| Addr (Hex) | 0AD6H | 0AD7H |
|---|---|---|
| Value | 0647H | 6164H |
| 4 byte unsigned integer | 06476164H | |
| Decimal | 105341284 | |
| Accumulated Transitions | 105,341,284 Accumulated Transitions | |

## 3.19 Type F33 Temperature

- Length: 1 Register (2 bytes)
- Range: +3276.7 °C / - 3276.8 °C
- Unit: 0.1 °C

This register contains a 16-bit signed (2's compliment) number. Positive values have the most significant bit clear and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

Example:

Register 05946, meter's Internal Temperature, might contain the following data:

| | |
|---|---|
| **Address** | 05946 |
| **Value** | 08BBH |
| **Most significant bit** | 0 |
| **Decimal** | +223 |
| **Celsius** | +22.3 °C |

Register 05946, meter's Internal Temperature, might contain the following data:

| | |
|---|---|
| **Address** | 05946 |
| **Value** | F745H |
| **Most significant bit** | 1 |
| **Compliment** | 08BAH |
| **Increment** | 08BBH |
| **Decimal** | -223 |
| **Celsius** | -22.3 °C |

## 3.20 Type F34 Limit and Relay Logic States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Limits or Relays, the most significant bit of the most significant byte with Limit 1 (or 17, or Relay 1), through to the least significant bit of the least significant byte with Limit 16 (or 32, or Relay 16).

A bit value of 1 means TRUE, while a bit value of 0 means FALSE. TRUE and FALSE result from the AND, OR, XOR, Hysteresis and NOT of two input values of 1 or 0.

Example:

Register 175AH, Limit States, Combinations, 1-16, might contain the following data:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Address** | 175Ah | | | | | | | | | | | | | | | |
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Limit** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **Logic (T/F)** | F | F | F | F | F | T | F | F | F | T | T | F | F | F | F | T |
| **Interpretation** | Limit Combinations 6, 10, 11 and 16 are currently TRUE, all others are FALSE. | | | | | | | | | | | | | | | |

## 3.21 Type F35 Relay Delays

Length: 1/2 Register (1 byte) (2 per Register)

This register has two bytes. Each byte contains an unsigned integer which is a count-down delay. A relay logic tree must be stable for the duration of the delay before triggering a relay. Delays are preloaded when the Gate G value changes. They are decremented every pass thereafter, until they reach zero.

Example:

Register 06000, Delay Timer, Relay 1 / Relay 2, might contain the following data:

| | | |
|---|---|---|
| **Address** | 04H | 00H |
| **Value** | 0400H | |
| **Bytes** | 06000 | |
| **Interpretation** | Relay 1 has 4 seconds of delay remaining, Relay 2 has no delay remaining. | |

## 3.22 Type F36 Desired Relay States

Length: 1 Register (1 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant bit of the most significant byte with Relay 1, through the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the relay should be energized (connected to Normal Open); a bit value of 0 means the relay should be de-energized (connected to Normal Close). These are states pending transmission to the relays.

Example:

Register 06008, Desired Relay States, Relays 1-16, might contain the following data:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Address** | 06008 | | | | | | | | | | | | | | | |
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Limit** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **State (NO/NC)** | NC | NC | NC | NC | NC | NO | NC | NC | NC | NO | NO | NC | NC | NC | NC | NO |
| **Interpretation** | Relays 6, 10, 11 and 16 should be energized; all others de-energized. | | | | | | | | | | | | | | | |

## 3.23 Type F37 Relays Pending Update

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the physical relay needs to be updated, a bit value of 0 means the physical relay does not need to be updated.

Example:

Register 06009, Relays Pending Updates 1-16, might contain the following data:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Address** | 06009 | | | | | | | | | | | | | | | |
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **Update?** | Yes | | | | | Yes | | | | Yes | Yes | | | | | Yes |
| **Interpretation** | Relays 6, 10, 11 and 16 need to be updated, all others are in their correct states. | | | | | | | | | | | | | | | |

## 3.24 Type F38 Shadowed Relay States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the relay is supposed to be energized (connected to Normal Open), a bit value of 0 means the relay is supposed to be de-energized (connected to Normal Close). These states have not necessarily been confirmed by polling the relay device.

Example:

Register 06010, Shadowed Relay States 1-16, might contain the following data:

| **Address** | 060010 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **State (NO/NC)** | NC | NC | NC | NC | NC | NO | NC | NC | NC | NO | NC | NC | NC | NC | NC | NC |
| **Interpretation** | Relays 6 and 10 are supposed to be energized, all others de-energized, not necessarily confirmed. | | | | | | | | | | | | | | | |

## 3.25 Type F39 Confirmed Polled Relay States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the relay was energized (connected to Normal Open) when last polled, a bit value of 0 means the relay was de-energized (connected to Normal Close) when last polled. These states may not be current on the relays, since operations may have occurred since the last poll.

Example:

Register 06011, Confirmed Polled Relay States 1-16, might contain the following data:

| **Address** | 060011 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **State (NO/NC)** | NC | NC | NC | NC | NC | NO | NC | NC | NC | NO | NO | NC | NC | NC | NC | NO |
| **Interpretation** | Relays 6 ,10, 11, and 16 were energized when last polled, all others were de-energized. | | | | | | | | | | | | | | | |

## 3.26 Type F40 Valid Flags for Confirmed Relay States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the confirmed states in Confirmed Polled Relay States register (06011) are valid, a bit value of 0 means the confirmed states have not yet been polled.

Example:

Register 06012, Valid Flags for Confirmed Relay States, might contain the following data:

| **Address** | 060012 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | FFF0H | | | | | | | | | | | | | | | |
| **Bytes** | FFH | | | | | | | | F0H | | | | | | | |
| **Bits** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | **0** |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | **15** |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | **16** |
| **Valid?** | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | **Yes** |
| **Interpretation** | Confirmed states for Relays 13-16 have not yet been polled and are not yet valid. | | | | | | | | | | | | | | | |

## 3.27 Type F41 Locked Relays, Relays 1-16

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

A bit value of 1 means the relay has been locked, overriding the Relay Logic Tree for this relay. A bit value of 0 means the relay is operating normally according to the Relay Logic Tree.

Example:

Register 060013, Locked Relays, Relays 1-16, might contain the following data:

| **Address** | 060013 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | | 61H | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **Locked?** | | | | | | Lock | | | | Lock | Lock | | | | | Lock |
| **Interpretation** | Relays 6, 10, 11, and 16 are locked; all other relays are under control of the RelayLogic tree. | | | | | | | | | | | | | | | |

## 3.28 Type F42 Locked Relay States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the 16 Relays, the most significant byte with Relay 1 through to the least significant bit of the least significant byte with Relay 16.

These bits are valid only if the relays have been selected for locking, as reported in the Locked Relays register, 060013.

A bit value of 1 means the relay is locked energized (connected to Normal Open). A bit value of 0 means the relay is locked de-energized (connected to Normal Close).

Example:

Register 060014, Locked Relay States, Relays 1-16, might contain the following data:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Address** | 060014 | | | | | | | | | | | | | | | |
| **Value** | 0461H | | | | | | | | | | | | | | | |
| **Bytes** | 04H | | | | | | | | 61H | | | | | | | |
| **Bits** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Relay** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| **NO/NC** | NC | NC | NC | NC | NC | NO | NC | NC | NC | NO | NO | NC | NC | NC | NC | NO |
| **Interpretation** | Relays 6, 10, 11, and 16 are energized, all others are de-energized if they are locked. | | | | | | | | | | | | | | | |

## 3.29 Type F43 Miscellaneous Flags

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with various miscellaneous functions as follows.

MSB first, Bit[15] = Battery Status (if it is lower than 2.55 V)

Bit[14] = user current threshold

Bit[13] = Internal failure

Bit[12] = Profile change

Bit[11] = Test Mode

Bit[10] = Time change

Bit[09] = IRIG-B year available

Bit[08] = Not Defined, reserved for debugging (with FW B.0053, 1= IRIG-B

Time continue Forwarding)

Bit[07] = Active IRIG-B

Bit[06] = Active DST

Bit[05] = Active Line Synch

Bit[04] = Active Cold Load

Bit[03] = DST Spring Date (the current date/time is before DST start time for the

current calendar year)

Bit[02] = DST Fall Date (the current date/time is after DST start time for the current calendar year)

Bit[01] = Active SNTP

Bit[00] = Not defined, reserved for debugging (with FW B.0053, 1 = Battery low flag)

Example:

Register 1796H, Miscellaneous Flags, might contain the following data:

| **Addr (Hex)** | 1796H | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 8000H | | | | | | | | | | | | | | | |
| **Bytes** | 80H | | | | | | | | 00H | | | | | | | |
| **Bits** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Interpretation** | Battery is Low. | | | | | | | | | | | | | | | |

## 3.30 Type F44 Digital Input Option Board Data States

Length: 1 Register (2 bytes)

This register has two bytes. Each byte has eight bits. The bits in these bytes are associated with the status of the data received from Digital Input Option Board as follows:

| Bit | Point | Meaning |
|---|---|---|
| 15 (MSB) | 0 | Status of Data from Digital Input Option Board in slot 3 |
| 14 | 1 | Status of Data from Digital Input Option Board in slot 4 |
| 13-0 (LSB) | | Undefined |

Digital Input Option Board Data Status –A bit value of 0 means that the data from this Digital Input option board is not yet valid; either the board is not present or has not yet been polled. A bit value of 1 means that the data from this Digital Input option board has been polled at least once and is valid.

Example:

Register 17DEH, Digital Input Option Board Data States, might contain the following data:

| **Addr (Hex)** | 17DEH | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | 8000H | | | | | | | | | | | | | | | |
| **Bytes** | 80H | | | | | | | | 00H | | | | | | | |
| **Bits** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Point** | 0 | 1 | | | | | | | | | | | | | | |
| **Digital Input Option Boards** | 1 | 2 | | | | | | | | | | | | | | |
| **Status** | OK | - | - | - | | | | | | | | | | | | |
| **Interpretation** | Data from Digital Input Option Board in slot 3 (Register 0AD5H) are valid, data from Digital Input Option Board in slot 4 are not valid | | | | | | | | | | | | | | | |

## 3.31 Type F45 - Analog Input Modules' Data States

Length: 2 Registers (4 bytes)

This register has four bytes. Each byte has eight bits. The bits in these bytes are associated with the status of the data received from the Analog Input Modules, as follows:

| Reg | Bit | Point | Meaning |
|---|---|---|---|
| 0 | 15 (MSB) | 0 | Status of Analog Input 1, Module 1 (Modbus Register 173AH) |
| 0 | 14-8 | 1-7 | Status of Analog Inputs 2-8, Module 1 (Modbus Registers 173BH-174IH) |
| 0 | 7-0 | 8-15 | Status of Analog Inputs 1-8, Module 2 (Modbus Registers 1742H-1749H) |
| 1 | 15-8 | 16-23 | Status of Analog Inputs 1-8, Module 3 (Modbus Registers 174AH-1751H) |
| 1 | 7-0 | 24-31 | Status of Analog Inputs 1-8, Module 4 (Modbus Registers 1752H-1759H) |

Analog Input Module Data Status - A bit value of 0 means that the data from this Analog Input Module is not yet valid; either the module is not present or has not yet been polled. A bit value of 1 means that the data from this Analog Input Module has been polled at least once and is valid.

Example:

Register 06112, Analog Input Modules' Data States, might contain the following data:

| **Addr (Hex)** | **06112** | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Value** | **8000H** | | | | | | | | | | | | | | | |
| **Bytes** | **80H** | | | | | | | **00H** | | | | | | | | |
| **Bits** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Point** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| **Analog Input Module** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| **Input** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Status** | OK | OK | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **Interpretation** | Data from Inputs 1-2 of Analog Input Module 1 is valid (Registers 173AH-173BH), data from Inputs 3-8 of Analog Input Module 1 is not valid; data from Inputs 1-8 of Analog Input Module 2 is not valid. | | | | | | | | | | | | | | | |

## 3.32 Type F46 High Byte of Modbus Register (Signed)

Length: 1 byte

High Byte of Modbus Register, Signed

Range: +127 / -128

Unit: 1

## 3.33 Type F47 High Byte of Modbus Register (Unsigned)

Length: 1 byte

High Byte of Modbus Register, Unsigned

Range: 255 / 0

Unit: 1

## 3.34 Type F49 Low Byte of Modbus Register (Unsigned)

Length: 1 byte

Low Byte of Modbus Register, Unsigned

Range: 255 / 0

Unit: 1

## 3.35 Type F51 Two-Byte (Unsigned)

Length: 2 bytes

Two-Byte, Unsigned

Range: 65,535 / 0

Unit: 1

## 3.36 Type F52 Four-Byte (Signed)

Length: 4 bytes

Four-Byte, Signed

Range: +2,147,483,647 / -2,147,483,648

Unit: 1

## 3.37 Type F53 Four-Byte (Unsigned)

Length: 4 bytes

Four-Byte, Unsigned

Range: 4,294,967,295 / 0

Unit: 1

## 3.38 Type F55 Eight-Byte (Unsigned)

Length: 8 bytes

Eight-Byte, Unsigned

Range: 18,446,744,073,709,551,615 / 0

Unit: 1

## 3.39 Type F56 Flicker Countdown

Length: 1 Register (2 bytes)

Range: 65,535 / 0 seconds

Unit: 1 second

This register contains an unsigned integer which is countdown in seconds until the end of a Flicker interval, Short Term or Long Term.

Example:

Register 06489, Short Term Flicker Countdown, might contain the following data:

| | |
|---|---|
| **Address** | 06489 |
| **Value** | 0400H |
| **Decimal** | 1024 |
| **Interpretation** | 1024 seconds remain until the next Short Term Flicker is computed. |

## 3.40 Type F57 Accumulation in the Interval

Length: 1 Register (2 bytes)

Range: 465,535 / 0

Unit: VAh, VARh, Wh secondary or pulses

These registers contain a 2-byte unsigned integer.

Example:

Register 06397, Total VA hour (Quadrants 1+2+3+4) in the Interval, Secondary, might contain the following data:

| | |
|---|---|
| **Address** | 06937 |
| **Value** | 0647H |
| **Decimal** | 1607 |
| **VAh Secondary** | 1607 VAh Secondary |

## 3.41 Type F58 12-bit RTU Sanity Register

Length: 1 Register

This register indicates the status of the meter. A normally functioning meter reports a value of 0x00000 or 0. Any non-zero value indicates that the unit is operating improperly.

## 3.42 Type F62 Scaled Pulse Accumulation, Aggregation or Average

Length: 4 Registers (8 bytes)

Range: +9,223,372,036,854,776,807 / -9,223,372,036,854,776,808

Unit: 1 Unit

This register contains an 8-byte signed (2's complement) number. Positive values have the most significant bit clear and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complementing (inverting) all of the bits and adding 1.

Type F62 does not use the multiplier from the Energy Scale Settings from the EPM 9700 meter's Device Profile. It uses the multiplier from the EPM 9700 meter's Internal Input Pulse Accumulations Setup screen (Device Profile > Revenue & Energy Settings > Pulse Accumulations).

Example:

Registers 05834 - 05837, Block Window Average Aggregation 1, might contain the following data:

| **Address** | 05834 | 05835 | 05836 | 05837 |
|---|---|---|---|---|
| **Value (Hex)** | 0000H | 0000H | 0001H | 2345H |
| **8 byte Signed Integer (Hex)** | 000000000001245H | | | |
| **Most Significant Bit** | 0 | | | |
| **Decimal** | +74565 | | | |
| **Accumulated Transitions** | +74,565 Units | | | |

Registers 05834-05837, Block Window Average Aggregation 1, might contain the following data:

| **Address** | 05834 | 05835 | 05836 | 05837 |
|---|---|---|---|---|
| **Value (Hex)** | FFFFH | FFFFH | FFFEH | DCBBH |
| **8 byte Signed Integer (Hex)** | FFFFFFFFFFFEDCBBH | | | |
| **Most Significant Bit** | 1 | | | |
| **Complement** | 0000000000012345H | | | |
| **Increment** | 0000000000012345H | | | |
| **Decimal** | -74565 | | | |
| **Accumulated Transitions** | -74,565 Units | | | |

## 3.43 Type F64 Scaled Energy

Length: 2 Registers (4 bytes)

Range: 99 / 0 through 999,999,999 / 0 (variable, 2-9 digits)

Unit: $10^{-7}$ through $10^{6}$ units (variable)

This register contains an 4-byte signed integer. The range and resolution of a given reading is controlled by programmable Energy Scale Settings, which govern both the range of the reading (from 2 to 9 digits) and the units of the reading (from 7 decimal places of Wh ($10^{-7}$) to no decimal places of MWh ($10^{6}$). Refer to Type F65 for a description of the Scaled Energy Programmable Setting (Device Profile > Revenue & Energy Settings > Energy Scaling).

Example:

Registers 06912-06913, Total VAh (Quadrant 1+2+3+4) Scaled Primary, might contain the following data:

| **Address** | 06912 | 06913 |
|---|---|---|
| **Value** | 075BH | CD15H |
| **4-byte Hex** | 075HCD15H | |
| **Decimal** | 123,456,789 | |

- If the Programmable Settings indicated 5 decimal places of WH, then the interpreted value would be 1,234.56789 Wh.
- If the Programmable Settings indicated 0 decimal places of MWh, then

the interpreted value would be 123,456,789 MWh.

## 3.44 Type F65 Scaled Energy Setting

Length: 1/2 a Register (1 byte)

Each register contains 2 bytes. Each byte contains settings for a base quantity. The format of a byte is as follows:

| **Bit** | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|
| **Meaning** | Digits | | | Unit | | Decimal Places | | |

- Digits is a 3-bit field, which is offset by 2 to represent from 2 to 9 displayable digits.
- Unit is a 2-bit field, where the values from 0 to 2 represent units of Wh (100), k (103) and M (106). The value 3 is undefined and is treated the same as 2, signifying M (106).
- Decimal Places is a 3-bit field, where the bits represent from 0 to 7 decimal places.

Examples:

For the following, the Q1234 VAh has a current value internally of 123,456,789.0123 VAh.

| Register CA00H | | Digits | Unit | D.P. | Pattern | Reading in Register 1AFFH-1B00H | | Display |
|---|---|---|---|---|---|---|---|---|
| Hex | Binary | | | | | Hex | Decimal | |
| 20xxH | 001 00 000 | 3 | VAh, 100 | 0 | xxxVAh | 000003 | 789 | 789VAh |
| 8BxxH | 100 01 011 | 6 | kVAh, 103 | 3 | xxx.xxx kVAh | 0006F855H | 456789 | 456.789 kVAh |
| 88xxH | 100 01 000 | 6 | kVAh, 103 | 0 | Xxxxxx kVAh | 0001E240H | 123456 | 123,456 kVAh |
| 93xxH | 100 10 011 | 6 | MVAh, 106 | 3 | xxx.xxx MVAh | 0001E240H | 123456 | 123,456 MVAh |
| 72xxH | 011 10 010 | 5 | MVAh, 106 | 2 | xxx.xx MVAh | 00003039H | 12345 | 123.45 MVAh |
| C2xxH | 110 00 010 | 8 | VAh, 100 | 2 | xxxxxx.xx VAh | 02B90135H | 45678901 | 456,789.01 VAh |

- The Scaled Energy Programmable Setting can be accessed by clicking: **Device Profile > Revenue & Energy Settings > Energy Scaling**.

## 3.45 Type F67 K-Factor

Length: 1 Register (2 bytes)

Range: +327.67 / - 327.68

Unit: 0.01

This register contains a 16-bit signed (2's complement) number. Positive values have the most significant bit clear and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complementing (inverting) all of the bits and adding 1.

Example:

Register 00390, Maximum K-Factor Phase A Current, might contain the following data:

| | |
|---|---|
| **Address** | 00390 |
| **Value (Hex)** | 08BBH |
| **Most significant bit** | 0 |
| **Decimal** | +2235 |
| **K-Factor** | +22.35 |

Register 0185H, Maximum K-Factor Phase A Current, might contain the following data:

| | |
|---|---|
| **Address** | 00390 |
| **Value (Hex)** | F745H |
| **Most significant bit** | 1 |
| **Complement** | 08BAH |
| **Increment** | 08BBH |
| **Decimal** | -2235 |
| **K-Factor** | -22.35 |

## 3.46 Type F68 Secondary 1 Cycle RMS Voltage and Current

Length: 2 Registers (4 bytes)

Range: 4,294,967,295 V, A / 0 V, A

Unit: 1/65536 V, A

These registers form a 4-byte unsigned integer in which the first register contains the LSB word.

Example:

| | | |
|---|---|---|
| **Address** | 0x005D | 0x005E |
| **Value** | 0xE6D7 | 0x0077 |
| **4-byte unsigned integer(Hex)** | 0x0077E6D7 | |
| **4-byte unsigned integer (Decimal)** | 7,857,879 | |
| **1/65536 V secondary** | 119.902 | |

## 3.47 Type F69 Angle

Length: 1 Register (2 Bytes) - unsigned integer

Order: Most significant byte first

Range: -327.67 / +327.67

Unit: 0.01 degree

## 3.48 Type F70 Harmonic Over Threshold Flag

Length: 4 Register (8 Bytes)

Order: Least significant word first

Range: N/A

Unit: N/A

A bit value of 1 means harmonic over threshold event.

| Word | Word 0 | Word 1 | Word 2 | Word 3 |
|---|---|---|---|---|
| **Harmonic Order** | Bit 0 = Order 0<br>Bit 1 = Order 1<br>Bit 2 = Order 2<br>Bit 3 = Order 3<br>Bit 4 = Order 4<br>Bit 5 = Order 5<br>Bit 6 = Order 6<br>Bit 7 = Order 7<br>Bit 8 = Order 8<br>Bit 9 = Order 9<br>Bit 10 = Order 10<br>Bit 11 = Order 11<br>Bit 12 = Order 12<br>Bit 13 = Order 13<br>Bit 14 = Order 14<br>Bit 15 = Order 15 | Bit 0 = Order 16<br>Bit 1 = Order 17<br>Bit 2 = Order 18<br>Bit 3 = Order 19<br>Bit 4 = Order 20<br>Bit 5 = Order 21<br>Bit 6 = Order 22<br>Bit 7 = Order 23<br>Bit 8 = Order 24<br>Bit 9 = Order 25<br>Bit 10 = Order 26<br>Bit 11 = Order 27<br>Bit 12 = Order 28<br>Bit 13 = Order 29<br>Bit 14 = Order 30<br>Bit 15 = Order 31 | Bit 0 = Order 32<br>Bit 1 = Order 33<br>Bit 2 = Order 34<br>Bit 3 = Order 35<br>Bit 4 = Order 36<br>Bit 5 = Order 37<br>Bit 6 = Order 38<br>Bit 7 = Order 39<br>Bit 8 = Order 40<br>Bit 9 = Order 41<br>Bit 10 = Order 42<br>Bit 11 = Order 43<br>Bit 12 = Order 44<br>Bit 13 = Order 45<br>Bit 14 = Order 46<br>Bit 15 = Order 47 | Bit 0 = Order 48<br>Bit 1 = Order 49<br>Bit 2 = Order 50<br>Bit 3 = Order 51<br>Bit 4-15 = N/A |

## 3.49 Type F71 Out of Range Status

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | Normal |
| 1 | Out |

## 3.50 Type F72 Time Stamp (Packed BCD)

Length: 4 Register (8 Byte)

Order: Least significant byte first

Range: 12/31/9999 23:59:59.99

Unit: 10 ms

Each register contains 2 bytes. Each byte contains 2 nibbles. Each nibble represents a decimal digit from 0-9

| Byte | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nibble | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| | Year | | | | Month | | Day | | Hour | | Minute | | Seconds | | Centiseconds | |

## 3.51 Type F73 Magnitude

Length: 2 Register (4 Byte)

Order: Least significant word first

Range: -32767.999/+32767.999

Unit: Volts/Degree/Hz

| Word | 0 | 1 |
|---|---|---|
| | Fraction | Integer |

## 3.52 Type F74 Number 4 Bytes – Unsigned Integer

Length: 2 Register (4 Byte) - unsigned integer

Order: Least significant word first

Range: 0/+4294967295

Unit: 1

## 3.53 Type F75 Flagging

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | Normal |
| 1 | Flagging |

## 3.54 Type F76 Valid Status

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0x55AA | Valid |
| Others | Invalid |

## 3.55 Type F77 Voltage Flag

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

A bit value of 1 means one of the following situations occurred; a bit value of 0 means one of the following situations **did not** occur:

- Waveform Voltage RMS Sag event
- Waveform Voltage RMS Swell event
- Voltage Waveshape Pre-Trigger event
- Transient Positive Side Over-Range Pre-Trigger event
- Transient Negative Side Over-Range Pre-Trigger event
- Interruption event
- Waveform Voltage RMS Sag State Transition
- Waveform Voltage RMS Swell State Transition
- Interruption transition
- Waveform Voltage RMS Sag Valid

- Waveform Voltage RMS Swell Valid¡¦
- Voltage Waveshape Pre-Trigger Valid
- Transient Map waveform mask (transient trigger set will lead waveform/PQ trigger set)
- Sliding reference Usr sag/swell enable for voltage

| Byte | Byte 1 | | | | | | | | Byte 0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bits | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| Channel | N/A | | | | Vne | Vce | Vbe | Vae | Vne | Vxn | Vca | Vbc | Vab | Vcn | Vbn | Van |

## 3.56 Type F78 Current Flag

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

A bit value of 1 means one of the following situations occurred; a bit value of 0means one of the following situations **did not** occur:

- Waveform Current RMS Sag event
- Waveform Current RMS Swell event
- Waveform Current RMS Sag State Transition
- Waveform Current RMS Swell State Transition
- Current RMS Change of Rate Over-Range Valid
- Sliding reference Usr sag/swell enabled for current

| Byte | Byte 1 | | | | | | | | Byte 0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bits | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| Channel | N/A | | | | | | | | | | | | Ix | Ic | Ib | Ia |

## 3.57 Type F79 General Readings (RMS, Ratio ...)

Length: 2 Register (4 Byte)

Order: Least significant word first

Range: +65535.65535/0

Unit: Volts/Amps

| Word | 0 | 1 |
|---|---|---|
| | Fraction | Integer |

## 3.58 Type F82 Point Update Flag

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

A bit value of 1 means that an event occurs.

| Byte | Byte 1 | | | | | | | | Byte 0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Bits** | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| **Reference Channels** | N/A | | | | | | | | | | | 5th | 4th | 3rd | 2nd | 1st |

## 3.59 Type F83 Phase Sequence

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0xABC0 | ABC Sequence |
| 0xCBA1 | ACB Sequence |

## 3.60 Type F90 16.7 usec Counter (used for duration timestamp)

Length: 2 Register (4 Byte) - unsigned integer

Order: Least significant word first

Range: + 4294967295/0

Unit: 16.7 usec

## 3.61 Type F97 Hookup Configuration

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | 4-Wire Wye |

| Value | Description |
|---|---|
| 1 | 3-Wire Delta 3 CT |
| 2 | 3-Wire Delta 2 CT |
| 3 | 4-Wire Wye 2.5 Element |
| 4 | 4-Wire Delta Ground |

## 3.62 Type F99 Frequency Type

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | 50 Hz |
| 1 | 60 Hz |

## 3.63 Type F100 Waveform Sample Rate

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | Full sample rate |
| 2 | 1/2 of full sample rate |
| 4 | 1/4 of full sample rate |
| ... | ... |
| 64 | 1/64 of full sample rate |

## 3.64 Type F101 High Resolution RTC Timestamp

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Bits | Description |
|---|---|
| 0-14 | 1 count = 100us = 0.1ms, range up to 9999 = 0.9999second |
| 15 | 1 means IRIG_B synchronized, 0 means IRIG_B lost |

## 3.65 Type F102 Calibration Gains

Length: 2 Register (4 Byte)

Order: Least significant word first

Range: +16.999999996/0

Unit: N/A

The calibration gain number is a 32 bit number where 4 most significant bits are unsigned integer and the others 28 bits are fractional of this number.

Example:

0x10539783 = 1.020408164

0x10000000 = 1.000000000

0x0FD7720F = 0.990099009

## 3.66 Type F103 Alternate Format Power Factor

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: -1.0 / 1.0

Unit: 1/1000

## 3.67 Type F105 RTC Status

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Bits | Description |
|---|---|
| 0-1 | Not defined |
| 2 | DST fails |
| 3 | DST spring rate |
| 4 | Active cold load |
| 5 | Active line sync |
| 6 | Active DST |
| 7 | Active GPS |
| 8-15 | Not defined |

## 3.68 Type F106 Line Synch Mode

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Bits | Description |
|---|---|
| 0 | 0 = disable<br>1 - enable |
| 1 | 0 = 50 Hz<br>1 = 60 Hz |
| 2-15 | Not defined |

## 3.69 Type F107 Day-light Saving Time Mode

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Value | Description |
|---|---|
| 0 | Disable |
| 1 | Use on-board chip |
| 2 | User programmable:<br>16 bytes, Most significant byte first.<br>Settings #1<br>Byte 15-14: Reserved<br>Byte 13: Month<br>Byte 12: Date<br>Byte 11: Hour<br>Byte 10: Minute<br>Byte 9: Seconds<br>Byte 8: Reserved<br>Settings #2<br>Byte 7-6: Reserved<br>Byte 5: Month<br>Byte 4: Date<br>Byte 3: Hour<br>Byte 2: Minute<br>Byte 1: Seconds<br>Byte 0: Reserved |
| 3 | Use new standard (US, 2005) |
| 4 | Use EPM Format:<br>8 bytes, Most significant byte first.<br>Settings #1<br>Byte 7: Month<br>Byte 6: Week<br>Byte 5: Day<br>Byte 4: Hour<br>Settings #2<br>Byte 3: Month<br>Byte 2: Week<br>Byte 1: Day<br>Byte 0: Hour |

| Value | Description |
|---|---|
| 5 | Use new user programmable:<br>10 bytes, Most significant byte first.<br>Settings #1<br>Byte 9: Month<br>Byte 8: Week<br>Byte 7: Day<br>Byte 6: Hour<br>Settings #2<br>Byte 5: Month<br>Byte 4: Week<br>Byte 3: Day<br>Byte 2: Hour<br>Settings #3<br>Byte 5: Shift hour for settings #1<br>Byte 4: Shift hour for settings #2 |

## 3.70 Type F108 Threshold Enable Channel

Length: 1 Register (2 Byte)

Order: Most significant byte first

Range: N/A

Unit: N/A

| Bits | Description |
|---|---|
| 0 | Enable Threshold for Phase A-N Voltage channel |
| 1 | Enable Threshold for Phase B-N Voltage channel |
| 2 | Enable Threshold for Phase C-N Voltage channel |
| 3 | Enable Threshold for Phase A-B Voltage channel |
| 4 | Enable Threshold for Phase B-C Voltage channel |
| 5 | Enable Threshold for Phase C-A Voltage channel |
| 6 | Enable Threshold for Phase X-N Voltage channel |
| 7-12 | Not defined |
| 13 | Enable Threshold for Phase N-E Voltage channel |
| 14 | Enable Threshold for Phase A Current channel |
| 15 | Enable Threshold for Phase B Current channel |
| 16 | Enable Threshold for Phase C Current channel |
| 17 | Enable Threshold for Phase X Current channel |
| 18-255 | Not defined |
| 256 | Cover all voltages |
| 257 | Cover all currents |
| 258 | Cover all voltages and currents |
| 259-65535 | Not defined |

## 3.71 Type F112 16 Bits, General Purpose (used for status information, including status of EN 50160 and TOU)

Length: 2 Bytes

Order: N/A

Range: N/A

Unit: N/A

## 3.72 Type F113 32 Bits, General Purpose (Used for status information, including status of EN 50160.)

Length: 4 Bytes

Order: N/A

Range: N/A

Unit: N/A

## 3.73 Type F115 4 Byte Counter

Length: 2 Register (4 Byte)

Order: Least significant word first

Range: +4294967295/0

Unit: 1

| Word | 0 | 1 |
|---|---|---|
| | LSW | MSW |

Value = MSW * 65536 + LSW

## 3.74 Type F117 - Energy Counter

Length: 4 Register (8 Byte)

Order: Most significant byte first

Range: -65535.9999/+65535.9999

Unit: 1/4294967296 VAh, VARh, Wh, Qh, I2T, V2T secondary

## 3.75 Type F118 - Power Factor

Length: 2 Register (4 Byte)

Order: Most significant byte first

Range: 0/+3.9999999

Unit: 1/16777216 PF

This register express power factor from 0 to 1 in the four quadrants, as follows:

| Quadrant | Value | PF | Value | PF | Value | PF |
|---|---|---|---|---|---|---|
| 4 | 0 | 0 | 0.5 | 0.5 | 0.9999999 | 0.9999999 |
| 1 | 1 | 1 | 1.5 | 0.5 | 1.9999999 | 0.0000001 |
| 2 | 2 | 0 | 2.5 | 0.5 | 2.9999999 | 0.9999999 |
| 3 | 3 | 1 | 3.5 | 0.5 | 3.9999999 | 0.0000001 |

## 3.76 Type F119 - Byte Array

Length: n bytes

Order: Array starts at high byte of starting Modbus register. Each Modbus register has two bytes.

Range: 255 / 0, unsigned

Unit: 1

## 3.77 Type F120 - IEEE 32 bit Single Precision Floating Point

Length: 4 bytes

Order: Most significant byte first, bit 31 is in MSB.

Range: N/A

Unit: N/A

Bits, Sign: 1[31], Exponent: 8[30-23], Fraction: 23[22-0]

## 3.78 Type F122 - Timestamp (packed S-Format)

Length: 6 bytes

Order: see table

Range: N/A

Unit: N/A

Stores a date from 2000 to 2099. Timestamp has a Minimum resolution of 1 second.

The high bits of each timestamp byte are used as flags to record meter state information at the time of the timestamp. These bits should be masked out, unless needed.

| Byte | 0 | 1 | 2 | 3 | 4 | 5 | |
|---|---|---|---|---|---|---|---|
| Value | Year | Month | Day | Hour | Minute | Second | |
| Range | 0-99 | (+2000) | 1-12 | 1-31 | 0-23 | 0-59 | 0-59 |
| Mask | 0x7F | 0x0F | 0x1F | 0x1F | 0x3F | 0x3F | |

## 3.79 Type F123 - Time-of-Use (TOU) Calendar Entry

Length: 6 bytes

Order: see table

Range: N/A

Unit: N/A

Dates are specified using one of 5 possible formats per the type bits in each calendar entry:

- type 0 = Fixed; exact date of the form month/day/year
- type 1 = Recurring; dates of the form month/day, applied every year.

  Example: Independence Day is July 4th
- type 2 = Floating; dates of the form "nth occurrence in month M of D day of theweek," applied every year.

  Example: Thanksgiving is 4th Thursday in November
- type 3 = Built-in; dates that cannot use the other formats, e.g. Easter and Good Friday
- type 4 = Repeating; dates every N days from a reference date. Reference date is in month/day/year format.

  Example: Every 60 days beginning on Jan 1, 2013. Y=13, M=1, D=1, N=60; dates are Jan 1, Mar 2, May 1, June 30, etc.
- types 5-7 are not used

Year, month, week, day and qualifier fields depend on the format. Not all fields are used in each format.

- year = actual year minus 2000, range 2001 - 2063. 0 indicates every year.
- month = 0 to 12. 0 indicates every month. Set to 0 for built-in dates.
- week = specifies nth occurrence of a day of the week for floating format. Set to 0 for all other formats. See following TOU Calendar Note 4.
- day = 1-31 for fixed, recurring, and repeating, 1-7 (Sun - Sat) for floating, or 1-2 (1-Easter, 2-Good Friday) for built-in.
- Qualifier is an enumeration: 1-this day, 2-next day, 3-next also, 4 weekday, 5- Sat to Fri (if the holiday falls on a Saturday, make Friday the holiday), 6-Sun to Mon (if the holiday falls on a Sunday, make Monday the holiday).
- Action field does not depend on the type. Actions are specified by setting individual bits and multiple bits may be set. See TOU Calendar Note 11, on the next page.

| 1st Register | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 |
| **Fixed** | Type 0 | | | -- | | | action[11] | | | | | | | qualifier 1-6 | | |
| **Recurring** | Type 1 | | | | | | | | | | | | | | | |
| **Floating** | Type 2 | | | | | | | | | | | | | | | |
| **Built-in** | Type 3 | | | | | | | | | | | | | | | |
| **Repeating** | Type 4 | | | | | | | | | | | | | | | |

| 2ndRegister | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 |
| **Fixed** | year[2] 0-63 | | | | | | month 1-12 | | | | day of month[6] 1-31 | | | | | |
| **Recurring** | | | | | | | month[3] 0-12 | | | | day of month[6,7,12] 0-31 | | | | | |
| **Floating** | -- | | | | | | month[3,13] 0-12 | | | | day of week[8,13] 1-7 | | | | | -- |
| **Built-in** | | | | | | | -- | | | | name[9] 1-2 | | | | | |
| **Repeating** | ref year[2,5] 0-63 | | | | | | ref month[5] 1-12 | | | | ref day[5] 1-31 | | | | | |

| 3rd Register | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| **Fixed** | -- | | | -- | | | | | -- | | | | | | | |
| **Recurring** | | | | | | | | | | | | | | | | |
| **Floating** | week[4,13] 0-5 | | | | | | | | | | | | | | | |
| **Built-in** | -- | | | | | | | | | | | | | | | |
| **Repeating** | repeats days 1-255 | | | | | | | | | | | | | | | |

NOTE

**TOU Calendar Notes:**

1. Unused fields (--) should be set to 0
2. Actual year = specified year + 2000
3. Month = 0 specifies every month
4. Week = 0 (every week), 1 - 4 (1st - 4th week), or 5 (last week)
5. Reference is the fixed date on which the first repeat period begins
6. Day of month is 1 through number of days in that month
7. If month = 0, day of month can be 1 through 28, only
8. Day of week is 1 (Sunday) through 7 (Saturday)
9. Name is 1 (Easter) or 2 (Good Friday)
10. Qualifier enumeration:
    - this day - use only the exact date specified
    - next day - use the day following the date specified
    - next day - use both the date specified and the next day
    - weekday - combination of Sat to Fri and Sun to Mon
    - Sat to Fri - if the date specified falls on Sat, use the day before (Fri), instead
    - Sun to Mon - if the date specified falls on Sun, use the day after (Mon), instead
11. Action is bit-mapped (SMHHHHH) and supports multiple actions:
    - S - season self read; change to next season
    - M - month self read; change to next month
    - HHHHH - make this day a holiday HHHHH (up to 31 holidays possible, numbered 1-31)
12. 12 When customizing the season block for daily use, entry should be set to:

    Action=Season; Type=Recurring; Qualifier=this day; Month=0; DOM=0

13. 13 When customizing the season block for weekly use, entry should be set to:

    Action=Season; Type=Floating; Qualifier=this day; Month=0; Week=0; DOW=1- 7

## 3.80 Type F124 - Time-of-Use (TOU) Rate Change

Length: 2 bytes

Order: see table

Range: N/A

Unit: N/A

| Bits | hhhhhmmm mmm--ttt |
|---|---|
| **Description** | Each entry specifies the time of a tier change and which rate to adopt at that time.<br>- unused bit, always 0<br>hhhhh = hour, 0 to 23<br>mmmmmm = minute; must be aligned with demand intervals (or sub-intervals)<br>ttt - new rate number, 1 to 4.<br>Note: all unused entries must be at the end of the list and should be set to all zeros |

## 3.81 Type F125 - Time-of-Use (TOU) Monitored Data Set Options

Length: 2 bytes

Order: see table

Range: N/A

Unit: N/A

| Bits | 00000000 hgfedcba |
|---|---|
| **Description** | a =1 to enable accumulator register monitoring<br>b = accumulator register sign (0-positive, 1-negative)<br>c = 1 to enable peak demand monitoring<br>de = demand register type (00-positive power, 10-negative power, 01-positive PF, 11-negative PF)<br>f = 1 to enable cumulative demand<br>g* = 1 to enable coincident demand association<br>h= coincident demand entity (1-VAR, 0-PF)<br>all unused bits are zeroes<br><br>* meaningful only if accumulator register is +/- Whr & d=1 |

## 3.82 Type F126 - Time-of-Use (TOU) Monitor Time Timestamp

Length: 16 bytes

Order: see table

Range: N/A

Unit: N/A

| **Byte** | 0,1 | 2,3 | 4,5 | 6,7 | 8,9 | 10,11 | 12,13 | 14,15 |
|---|---|---|---|---|---|---|---|---|
| **Value** | Year | Month | Day | DOW | Hour | Minute | Second | Flag Bits |
| **Range** | 1-65535 | 1-12 | 1-31 | 1-7 | 0-23 | 0-59 | 0-59 | -------- ----- cba |
| **Detail** | 0=Year2000, 1=Year 2001, 2= Year 2002, etc. | 1 =Jan., 2 = Feb., 3=March, etc. | Day of the month | Day of the week: 1=Sun, 7=Sat | Hour of the day: 0=12am, 23 =11pm | Number of minutes | Number of seconds | c=long b=short a=DST |

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 4: Register Map Notes

## 4.1 Modbus Register Map Notes

The information in this chapter refers to the Modbus Register Map's "Notes" column. Chapter 2 *"Modbus Register Map"* contains the Modbus Map.

1. Time information can be supplied from many different sources, an internal Real Time Clock or an external GPS Clock. The internal Real Time Clock has a backup battery, which is used to maintain the passage of time when the EPM 9700 unit is without operational power. It is similar to those used in PCs and it reports time accurate to the second. The external GPS clock is supported through an IRIG-B connection, allowing synchronization and accuracy to the hundredth of a second (10 milliseconds). The internal RTC clock can be synchronized by an external SNTP source or through a communication link consisting of Modbus or DNP3.
2. These registers, when read, always report the time as reported by the EPM 9700 unit, either from the internal Real Time Clock or the external GPS Clock. Values written here for the purpose of updating the internal Real Time Clock are not read back.
3. These values are calculated by the EPM 9700 meter's DSP2 Processor, as part of the Waveform Capture function.
4. To convert Phase voltages in secondary volts into primary volts, multiply by the Phase voltage PT Ratio, composed of the Phase Voltage PT Ratio Numerator and Denominator (Registers 45917 - 45918 and 45919 - 45920).
5. Auxiliary Voltage is in secondary Volts. To convert this value into primary Volts, multiply by the Auxiliary Voltage PT Ratio, composed of the Auxiliary Voltage PT Ratio Numerator and Denominator (Registers 45921 - 45922 and 45923 - 45924).
6. Phase and Calculated Neutral Currents are in secondary Amps. To convert this value into primary Amps, multiply by the Phase Current CT Ratio, composed of the Phase Current CT Ratio Numerator and Denominator (Registers 45909 - 45910 and 45911 - 45912).
7. Not used.

8. Measured Neutral is the true RMS measurement of current passing through the meter. Calculated Neutral is the RMS produced by adding the three Phase Current samples together and treating the result as a sample of the neutral line.
9. VA, VAR and Watts are in secondary. To convert this value into primary VA, VAR or Watts, multiply by the Phase Voltage PT Ratio, composed of the Phase Voltage PT Ratio Numerator and Denominator (Registers 45917 - 45918 and 45919 - 45919) and by the Phase Current CT Ratio, composed of the Phase Current CT Ratio Numerator and Denominator (Registers 45909- 45910 and 45911 - 45912).
10. Not used.

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 5: Logs, Port Control and Updating Programmable Settings

## 5.1 Downloading Logs - Overview

- There are three methods for downloading logs from the EPM 9700 meter: non-increment index, auto-increment index and file system access.
- Each of the EPM 9700 meter's ports act independently, allowing multiple Modbus Masters access to all the retrievable data in an EPM meter Slave.
- Log Memory Allocation (Quotas): Logs are made up of files that are each 1 MB in size. The user is able to assign how many files each log will get; however, the System Events log, and historical logs 1 and 2 have a maximum size of 1 and 8 MB, respectively, in order to maintain backwards compatibility. A log with no file assigned to it is disabled and will not run.
- Memory Gap Engine: To avoid the oldest record being overwritten during the download log process when the log is in pause mode, 5% of the memory allocated for the log will be empty (unused) during the normal operation. When the download process starts in a paused log, that reserved memory is used to save new records. If the process is fast enough, the download process can finish without dropping any records. On the other hand, if the download process is slow, the gap can be completely filled and then new records will be dropped (not saved).
- Log Reset: This Register (located at 57345) when written to, causes all logs to be cleared. This action should be performed only under the following circumstances:
  - When the programmable settings are modified such that data already in the logs is invalidated; for example, any modifications involving the record size or organization of the contents of a snapshot, will require the logs to be cleared of any previous data. When settings changes like this are made, the GE Communicator software displays a message telling you that the logs will be reset and asking if you want to download them first.
  - When the Run-Time code is upgraded, resulting in one of the following: a redefinition of the layout or meaning of the programmable settings or in altered

behavior or capabilities of the logs. In this case, the software will prompt you to reset the logs by clicking on a button on the screen.

- Note that logs can also be reset via the Reset screen on the display, or the Reset Device Parameters screen from Communicator EXTTM software. If Password Protection has been enabled, a second level password is required for performing the reset.

- Downloading any log involves the Log Snapshot Header; Header blocks for the different logs begin at Register 36865: This block of Registers holds the following information about the log:
  - Memory Size: 4-byte unsigned integers representing the amount of memory, in bytes, allocated to the log.
  - Record Size: an unsigned integer representing the size, in bytes, of a record in the log.
  - First Index: an unsigned integer representing the index of the first (oldest) record in the log.
  - Last Index: an unsigned integer representing the index of the last (newest) record in the log. The value FFFFH indicates that the log is empty.
  - First Time Stamp: These Registers hold the time stamp from the first (oldest) record in:

| Byte | Range | Description |
|---|---|---|
| 0 | 0 – 255 | century |
| 1 | 0 – 99 | year |
| 2 | 1 – 12 | month |
| 3 | 1 – 31 | day |
| 4 | 0 – 23 | hour |
| 5 | 0 – 59 | minute |
| 6 | 0 – 59 | second |
| 7 | 0 – 99 | centisecond |

  - Last Time Stamp: These Registers hold the time stamp from the last (newest) record in the Log. The byte order and description are the same for the first time stamp.
  - Valid Bitmap: These Registers hold the bit flags indicating whether the EPM 9700 Slave recognizes the lines in the Historical Log Settings block (the block beginning at Register 45204). The first bit represents the validity of the last Data Pointer in the Historical Log Settings. A value of 1 means the Data Pointer is acceptable and can be stored. A value of 0 means that the Data Pointer is invalid or unrecognized and cannot be stored.
  - Max Records: an unsigned integer representing the total number of records the log is capable of holding. In order to maintain a one-for-one relationship in parallel logs (Sequence of Events State and Sequence of Events Snapshot logs, for example), the maximum number of records that a log can store is defined by the log that holds the fewest records. Logs capable of holding more records are restricted.
  - Reset Status: When the value of this register is "1," the log is currently being reset, i.e., the log files are being cleared.

### 5.1.1 Log Download Using Non-increment Index Method

- This method is offered for backward compatibility and can be applied only to the System Events log and historical logs 1 and 2.
- In the following sections, the designation "first 128 bytes of the log" is a physical description based on the absolute address of the memory allocated to the log. The first (oldest) record in the log may not be located at the beginning of the log.

A Modbus Master uses a Log window consisting of 64 Registers to retrieve logs from an EPM 9700 meter Slave. A log is divided into numbered sections called Indexes, which are transferred through the Log Window in sequence.

- Window Index tells the Modbus Master which 128-byte section of the log the Window is using to retrieve the log. The block of Window Index Registers for the different logs begin at 38145.
  - When the Modbus Master writes a new value to the Window Index, a new section of the log will fill the Window. For example, when the Index is 0000H, the first 128 bytes of the log are available in the Window; when the Index is 0001H, the second 128 bytes of the log are available in the Window, and so on.
  - When a value other than FFFFH is written to the Window Index, the Index is updated and the log is paused. A 30-second timer is initiated on these writes. Should the timer expire (a new index is not written within 30 seconds), the log will continue logging.
    - Should multiple ports access the same log simultaneously, the log will pause while any 30-second timer is running. The log will continue logging only when all ports time-out.
  - When read, the Window Index returns the number of the Index currently in use by the Window. When written, the Window Index sets a new Index for the Window to retrieve the log.
- Window Mode defines the two available modes the Window may use to retrieve a log; Download Mode and Time Stamp Mode. The Window Mode block begins at Register 38209.
  - Download Mode: In Download Mode, the Log Window accesses consecutive, 128-byte blocks of the log. For example, when the Window Index is 0000H, the first 128 bytes of the log are available in the Window; when the Index is 0001H, the second 128 bytes of the log are available in the Window.
  - Time Stamp Mode: In Time Stamp Mode, the Log Window accesses the time stamps of the records, in blocks of 16 time stamps at a time. When the Window Index is 0000H, the time stamps of the first 16 records (records 0–15) in the log are available in the Window; when the Window Index is 0001H, the time stamps of the second 16 records (records 16–31) in the log are available in the Window, and so on.
- Log Window: The Log Window is a 64-register, 128-byte view of a log. The Window Index defines which part of a log is currently available in the Window. Log Windows begin at Register 38273.

#### 5.1.1.1: Steps for Downloading a Log

- The following steps outline the process for downloading a log. Details and examples for downloading time stamps and records follow in Sections 5.1.1.2 and 5.1.1.3.

    1. Read the EPM 9700 meter's Programmable Settings Block (Registers 45057–53248). This information will be used to interpret the data retrieved from the log.
    2. Pause the log by writing an initial, non-FFFFH value to the Log Window Index Register.
    3. Read and store the Log Header information.
    4. Determine the starting Window Index and Window offset. Within the meter's physical memory, the log is divided into blocks of 128 bytes sequentially numbered. Window index gives the number of a block, and window offset gives the position inside that block.
    5. Determine the largest Window Index and Window offset.
    6. Determine the ending Window Index and Window offset.
    7. Set the Window Mode to Download Mode.
    8. Set the Log Window Index to the starting Window Index.
    9. Read the Window from starting offset to the end of the Window.
    10. Increment the Window Index.
    11. Read the Window from beginning to end.
    12. Repeat steps 10 and 11 until the largest or ending Window Index is reached.
        - If the largest is reached, go to step 13.
        - If the ending is reached, go to step 15.
    13. Read Window from beginning up to (but not including) the largest offset.
    14. Set Window Index to 0. Go to step 12.
    15. Read Window from the beginning up to (but not including) the ending offset.

#### 5.1.1.2: Downloading Time Stamps with Examples

- The following steps detail the process for downloading time stamps from a log, using values from Historical Log 1 as an example.

    1. Read the EPM 9700 meter's Programmable Settings Block (Registers 45057–53248).
    2. Pause the log by writing an initial, non-FFFFH value to the Historical Log 1 Window Index Register.

        Example: Write 0000H to the Window Index for Historical Log 1, Register 38145.
    3. Read and store the Historical Log 1 Header information.

        Example: Historical Log 1 Snapshot Header

| Address | Description | Example Value |
|---|---|---|
| 36865–36866 | Historical Log 1 Snapshot Memory Size | 1851392 |
| 36867 | Historical Log 1 Snapshot Record Size | 64 |
| 36868 | Historical Log 1 Snapshot First Index | 501 |
| 36869 | Historical Log 1 Snapshot Last Index | 500 |

| | | |
|---|---|---|
| 36870–36873 | Historical Log 1 Snapshot First Time Stamp | 7/10/14 12:32:00.000 |
| 36874–36877 | Historical Log 1 Snapshot Last Time Stamp | 7/30/14 14:40:00.000 |
| 35878–36881 | Historical Log 1 Snapshot Valid Bitmap | FFFC 0000 |
| 36882 | Historical Log 1 Snapshot Max Records | 28928 |

4. Determine the starting Window Index and starting Window Offset using these formulas:

   Starting Window Index = Int([8 x First Index]/128).

   Starting Window Offset = (8 x First Index) % 128.

   Example:

   Starting Window Index: Int (8 x 501/128) = Int (31.3125) = 31.

   Starting Window Offset: (8 x 501) % 128 = 40.

5. Determine the largest Window Index and the largest Window Offset using these formulas:

   Largest Window Index = Int ([8 x Max Records]/128).

   Largest Window Offset = (8 x Max Records) % 128.

   Example:

   Largest Window Index = Int([8 x 28928]/128) = Int(1808) = 1808

   Largest Window Offset = (8 x 28928) % 128 = 0

6. Determine the ending Window Index and the ending Window Offset using these formulas:

   Ending Window Index = Int([8 x {Last Index + 1}]/128)

   Ending Window Offset = (8 x [Last Index +1]) % 128

   Example:

   Ending Window Index = Int([8 x {500 + 1}]/128 = Int(31.3125) = 31

   Ending Window Offset = (8 x [500 + 1]) % 128 = 40

7. Set the Window Mode to Download Mode by writing the Timestamp Mode code (0001H) to the Log Window Mode Register.

   Example:

   Write the value 0001H to the Window Mode for Historical Log 1, Register 38209.

8. Set the Window Index to the Starting Window Index.

   Example:

   Write the value 31 (001FH) to the Interval 1 Log Window Index, Register 38145.

9. Read Window from starting offset to end of Window:

   Starting offset = First Register of Window + (starting Window offset/2).

   Example:

   38273 + (40/2) = 38293

   Read from 38293 – 38336.

10. Increment the Window Index.

    Example:

    Write the value 32 (0020H) to the Historical Log 1 Window Index, Register 38145.

11. Read the Window from beginning to end.

    Example:

    Read the Historical Log 1 Window from Register 38273 to 38336.

12. Repeat steps 10 and 11 until the Largest or Ending Window Index is reached.
    - If the Largest Window Index is reached, go to step 13.
    - If the Ending Window Index is reached, go to step 15.

    Example:

    If Window Index = 1808, go to step 13. If Window Index = 31, go to step 15.

13. Read Window from beginning up to (but not including) the Largest Offset.

    Largest Offset = First Register of Window + (largest Window offset/2).

    Example: (Index = 1808).

    38273 + (0/2) = 38273.

    Read from 38273 up to 38273; therefore, read nothing.

14. Set Window Index to 0. Go to step 12.

    Example:

    Write the value 0 (0000H) to the Window Index Historical Log 1, Register 38145.

15. Read Window from the beginning up to (but not including) the Ending Offset.

    Ending Offset = First Register of Window + (Ending Window Offset/2).

    Example: (Index = 31).

    38273 +40/2 = 38293.

    Read from 38273 up to (but not including) 38293; therefore, read 38273 – 38292.

#### 5.1.1.3: Downloading Records with Examples

- The following steps detail the process for downloading records from a log, using values from an Historical Log 1 as an example.

1. Read the EPM 9700 meter's Programmable Settings Block (Registers 45057–53248).
2. Pause the log by writing an initial, non-FFFFH value to the Log Window Index Register.

   Example: Write 0000H to the Window Index for Historical Log 1, Register 38145.

3. Read and store the Log Header information.

   Example: Historical Log 1 Log Snapshot Header

| Address | Description | Example Value |
|---|---|---|
| 36865–36866 | Historical Log 1 Snapshot | |

| Address | Description | Example Value |
|---|---|---|
| | Memory Size | 1851392 |
| 36867 | Historical Log 1 Snapshot | |
| | Record Size | 64 |
| 36868 | Historical Log 1 Snapshot | |
| | First Index | 501 |
| 36869 | Historical Log 1 Snapshot | |
| | Last Index | 500 |
| 36870–36873 | Historical Log 1 Snapshot | |
| | First Timestamp | 7/10/99 12:32:00.000 |
| 36874–36877 | Historical Log 1 Snapshot | |
| | Last Timestamp | 7/30/99 14:40:00.000 |
| 36878–36881 | Historical Log 1 Snapshot | |
| | Valid Bitmap | FFFC 0000 |
| 36882 | Historical Log 1 Snapshot | |
| | Max Records | 28928 |

4. Determine the starting Window Index and starting Window Offset using these formulas:

   Starting Window Index = Int([Record Size x First Index]/128).

   Starting Window Offset = (Record Size x First Index) % 128.

   Example:

   Starting Window Index: Int(64 x 501/128) = Int (250.5) = 250.

   Starting Window offset: (64 x 501) % 128 = 64.

5. Determine the largest Window Index and the largest Window Offset using these formulas:

   Largest Window Index = Int([Record Size x Max Records]/128).

   Largest Window Offset = (Record Size x Max Records) % 128.

   Example:

   Largest Window Index = Int([64 x 28928]/128) = Int(14464) = 14464.

   Largest Window Offset = (64 x 28928) % 128 = 0.

6. Determine the ending Window Index and the ending Window offset using these formulas:

   Ending Window Index = Int([Record Size x {Last Index + 1}]/128).

   Ending Window Offset = (Record Size x [Last Index +1]) % 128.

   Example:

   Ending Window Index = Int([64 x {500 + 1}]/128 = Int(250.5) = 250.

   Ending Window Offset = (64 x [500 + 1]) % 128 = 64.

7. Set the Window Mode to Download Mode by writing the Download Mode code (0000H) to the Log Window Mode Register.

   Example:

   Write the value 0000H to the Window Mode for Historical Log 1, Register 38209.

8. Set the Window Index to the Starting Window Index.

   Example:

   Write the value 250 (00FAH) to the Historical Log 1 Window Index, Register 38145.

9. Read Window from starting offset to end of Window:

   Starting offset = First Register of Window + (starting Window offset/2).

   Example:

   38273 + (64/2) = 38305.

   Read from 38305 – 38356.

10. Increment the Window Index.

    Example:

    Write the value 251 (00FBH) to the Historical Log 1 Window Index, Register 38145.

11. Read the Window from beginning to end.

    Example:

    Read the Historical Log 1 Window from Register 38273 to 38336.

12. Repeat steps 10 and 11 until the largest or ending Window Index is reached.
    - If the largest Window Index is reached, go to step 13.
    - If the ending Window Index is reached, go to step 15.

    Example:

    If Window Index = 14464, go to step 13.

    If Window Index = 250, go to step 15.

13. Read Window from beginning up to (but not including) the Largest Offset.

    Largest Offset = First Register of Window + (Largest Window Offset/2).

    Example: (Index = 14464).

    38273 + (0/2) = 38273.

    Read from 38273 up to 38273; therefore, read nothing.

14. Set Window Index to 0. Go to step 12.

    Example:

    Write the value 0 (0000H) to the Window Index Historical Log 1, Register 38145.

15. Read Window from the beginning up to (but not including) the ending offset.

    Ending offset = First Register of Window + (ending Window offset/2).

    Example: (Index = 250).

    38273 + 64/2 = 38305.

    Read from 38272 up to (but not including) 38304; therefore, read 38273 – 38304.

### 5.1.2 Log Download Using Auto-Increment Index Method

Note that this method is offered for backward compatibility and can only be applied to the System Events log and Historical logs 1 and 2.

- Auto Incrementing Interface
- Auto Increment Configuration (Register 39423, 0x099FE)

  When read, this register returns the configuration in use (shown on the next page) by the Auto Increment Log Window to access logs on this port.

  When written, this register sets the configuration used by the Auto Increment Log Window to access logs on this port. Each port accesses a separate, independent configuration through this register, allowing all four ports to access logs with different configurations.

  The least significant byte indicates which log is being accessed, as shown below:

| | |
|---|---|
| 0x000 | Historical Log 1 |
| 0x001 | Historical Log 2 |
| 0x00A | System Event Log |
| 0x00E-0x0FF | Undefined |

  The most significant byte defines the following modes, Paused Download Mode (0x000), and Running Download Mode (0x001).

  In Paused Download mode (0x000), the log being accessed is paused - new records are not added to the log while it is paused.

  In Running Download mode (0x001), the log being accessed is not paused - new records may be added to the log. When downloading in this mode, it is possible that records may be overwritten before, or even during, access to that record.

- Auto Increment Window Index (0x099FF)

  When read, this register returns the index used by the Auto Increment Log Window to access logs on this port.

  When written, this register sets the index used by the Auto Increment Log Window to access logs on this port. Each port accesses a separate, independent index through this register, allowing all four ports to access different areas of logs at the same time.

  When read, the index is incremented before being returned in the Modbus response. If the Auto Increment Mode is Paused Download Mode (0x001xx in register 0x099FE), the appropriate log is paused, preventing the addition of new records while the log is being accessed. A 30-second timer is initiated on these reads. Should the timer run out (the index is not incremented/read in 30 seconds), the appropriate log will be allowed to continue logging.

  Should multiple ports access the same log simultaneously, the log will be paused while either 30-second timer is running; the log will be allowed to continue logging only when **all** ports time-out.

- Auto Increment Log Window (0x09A3F)

  These registers are a 128-byte window into a log, as specified in the Auto Increment Configuration (register 0x099FE). Depending on the Auto Increment Window Index, a different 128-byte area of a log can be accessed.

#### 5.1.2.1 Download using Auto Increment Window Sequence

1. Software should select the appropriate Download mode and log through the Auto Increment Configuration register (0x000xx or 0x001xx to register 0x099FE).
2. Software should read the appropriate Header Information.
3. Software should initialize the window index by writing a value 1 less than the desired starting index to the Auto Increment Window Index register.

   Example: To start at window 0, write:

   0x0FFFF to Register 0x099FF.)
4. Software should store the Log Header Information.
5. Software should read the Auto Increment Window Index and Auto Increment Log Window (Registers 0x099FF-0x09A3F).
6. Software should verify the expected value for the Auto Increment Window Index.
7. Software should store the first 128 bytes of the log from the Auto Increment Log Window.

Repeat steps 5-7 until the desired amount of the log has been read and stored. The Number of Reads of the Window can be determined by dividing the Total Memory in the Log by the Window Size.

#### 5.1.2.2 Download using Auto Increment Window Sequence and Function Code 35

1. Software should select the appropriate Download mode and log through the Auto Increment Configuration register (0x000xx or 0x001xx to register 0x099FE).
2. Software should read the appropriate Header Information.
3. Software should initialize the window index by writing a value 1 less then the desired starting index to the Auto Increment Window Index register (to start at window 0, write 0x0FFFF to register 0x099FF).
4. Software should store the Log Header Information.
5. Software should read the Auto Increment Window Index and Auto Increment Log Window (registers 0x099FF-0x09A3F) n times using the non-standard Modbus Function Code 67 Read Holding Registers Multiple Times.
6. Software should verify the expected values for the Auto Increment Window Index.
7. Software should store the each 128 bytes of the log from the Auto Increment Log Window.

Repeat steps 5-7 until the desired amount of the log has been read and stored. The number of Reads of the Window can be determined by dividing the Total Memory in the Log by the Window Size, and again by dividing by the number of repeats being used with Function Code 67.

# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 6: Programmable Settings Blocks

Chapter 2 *"Modbus Register Map"* contains the EPM 9700 meter Modbus Register Map. This chapter gives a detailed description of each of the Programmable Settings Blocks.

## 6.1 Communication Settings Block (45057-45074)

- Device Address - 2 bytes, unsigned integer, ranging from 0000H to FFFFH
- Protocol - 1 byte, unsigned integer.
- Baud Rate - 1 byte, unsigned integer.
- Parity - 1 byte, unsigned integer.
- Stop Bits - 1 byte, unsigned integer.
- Data Bits - 1 byte, unsigned integer.
- Response Delay - 1 byte, unsigned integer.
- Port Mode - 1 byte, unsigned integer. The value 1 means Master; value 0 means Slave. Port 1 is always a Slave.

| Communication Settings Block Specifications | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Value** | **Protocol Baud** | **Rate** | **Parity** | **Stop** | **Bits** | **Data** | **Bits** | **Response Delay (ms)** |
| 0 | Modbus ASCII | 4800 | None | | | | 5 | 0.00 |
| 1 | Modbus RTU | 9600 | Even | | | | 6 | 0.25 |
| 2 | DNP 3.0 | 19200 | Odd | | | | 7 | 0.50 |
| 3 | | 38400 | Mark | | | | 8 | 0.75 |
| 4 | | 57600 | Space | | | | | 1.00 |
| 5 | | 115200 | | | | | | 1.25 |
| 6 | | | | | | | | 1.50 |
| 7 | | | | 1 stop | | | | 1.75 |
| 8 | | | | 1.5 stop | | | | 2.00 |

| Communication Settings Block Specifications | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Value | Protocol Baud | Rate | Parity | Stop | Bits | Data | Bits | Response Delay (ms) |
| 9-14 | | | | | | | | 2.25-3.50 |
| 15 | | | | 2 stop | | | | 3.75 |
| 16-255 | | | | | | | | 4.00-63.75 |

## 6.2 Limit Settings Block (45077-45204)

Limit Comparisons - Internal Representations

An EPM 9700 meter has 32 Limits Objects.

- Each Limit Object performs two independent comparisons with a selected computed value and combines them into a combined output. Information needed to perform these actions: channel identification, comparison values, comparison directions and combination type.
- Channel identification is performed by referencing the internal data table of the meter, by specifying the Line Number and Point Number for a particular value. For example: to monitor 1 second VAN values, use Line 34, Point 0; 1 second VBN, use Line 34, Point 1; 1 second IA, use Line 36, Point 0; Thermal Average VAN, use Line 51, Point 0. To leave a Limit unassigned, use Line 65535, any point.
- Comparison values are entered using percentages relative to the programmed full scales of the system. For VAN, the phase-to-neutral Voltage Full Scale would be referenced. If it is programmed to 120.0 V secondary with a phase voltage PT of 120:1, then a comparison of 13.2 kV primary would be a limit of 108 V secondary or 90.00% of the Full Scale. A 90.00% comparison for IA with a phase Current Full Scale of 5.0 A secondary and a phase current CT of 2000:5 would be a comparison of 4.5 A secondary or 1800 A primary. Negative percentages would be used where appropriate (Watts, VAR, etc.). Special cases like PF and KF would depend on fixed internal Full Scales. Human interfaces could represent this in terms of quadrature and angle, instead of the internal percentage representation.
- Each comparison has a direction associated with it - Above or Below. A 90.00% comparison could be for above 90.00% or below 90.00%.
- Finally, each limit object is able to produce a third output which is a combination of the two comparisons. This combination could be an AND, OR, NAND, NOR, XOR or Hysteresis. So, a user can produce a band of between 40.00% and 80.00% by combining above 40.00% AND below 80.00%; over 110.00%/under 90.00% alarms by combining above 110.00% OR below 90.00%, on after over 110.00%, off after below 90.00% by combining above 110.00% and below 90.00% with Hysteresis.

The structure for a combination is :

2 byte Line Number

1 byte Point Number

1 byte Direction and Combination (SAB)

2 byte Comparison 1 Percentage (Value 1)

2 byte Comparison 2 Percentage (Value 2)

Total of 8 bytes per Limit Object, total of 256 bytes for 32 Limit Objects.

The structure for the Direction and Combination byte is:

Bits 7-5 Unused, set to 0

Bit 4 Negate combination (AND -> NAND, etc.)

Bits 3-2 00 = AND combination

01 = OR combination

10 = XOR combination

11 = Hysteresis combination

Bit 1 0 = Comparison 2 is below

1 = Comparison 2 is above

Bit 0 0 = Comparison 1 is below

1 = Comparison 1 is above

Hysteresis combination uses comparison 1 to set the combination, and comparison 2 to clear the combination. If both inputs are asserted, comparison 1 has priority. The usual arrangement would be to program comparison 1 to above a large value and comparison 2 to below a small value. When the monitored value goes above comparison 1, the combination will be set to a 1, until the monitored value goes below comparison 2, when the combination will be cleared to a 0.

Poll-able information would consist of:

32 bits Comparison 1 states for 32 limits

32 bits Comparison 2 states for 32 limits

32 bits Combination states for 32 limits

Total of 96 bits (12 bytes)

## 6.3 Historical Log Settings Block (45205-45464)

Historical Log 1 Data Pointers (45205 - 45332), Historical Log 2 Data Pointers (45333 - 45460).

- These registers indicate which information to include in a record in the Historical Log. Each Data Pointer has the following 4 (four) byte structure:

| Data Pointer 4-Byte Structure | | |
|---|---|---|
| **Size** | **Format** | **Description** |
| 2 byte | Unsigned integer | Line number |
| 1 byte | Unsigned character | Point number |
| 1 byte | unsigned character | Reserved |

- A Line Number is an index into the Communication Table. Example: Line Number 11 is for the 12th line in the Communication Table, 0.1 second Phase-to-Neutral Voltages.

Data Pointers with Line Numbers greater than the number of lines in the table are ignored.

- A Point Number is an index into a Line in the Communication Table. Example: Point Number 1 is for the second entry in a Line. Line Number 11, Point Number 1 is the 2nd in the 12th line, 0.1 second VBN. Data Pointers with Point Numbers greater than the number of points for the line are ignored.
- Snapshot Interval for Historical Log 1 (45361), for Historical Log 2 (45462).
  - One register, 2 byte unsigned integers ranged from 0 to 3600.
  - The unit is 1 Second.
- Historical Log 1 Record Size (45463), Historical Log 2 Record Size (45464).
  - This register is an enumeration for the size of a record in the Historical Log. The valid values are:

    0x00004 = 16 byte records

    0x00000 = 32 byte records

    0x00001 = 64 byte records

    0x00002 = 128 byte records

    0x00003 = 256 byte records

## 6.4 High Speed Inputs Settings Block (45501-45723)

Input Name - 8 registers, 16 bytes, 16 characters for the name.

Input Open Label - 8 registers, 16 bytes, 16 characters for label, Not Shorted, State 1.

Input Closed Label - 8 registers, 16 bytes, 16 characters for label, Shorted, State 0.

Input Value - 2 registers, currently not used.

Input Mode - Bit 0 will define the normal condition of the input.

| High Speed Input Settings | | |
|---|---|---|
| **Bit 0** | **Normal Condition** | **Binary State** |
| 0 | Open | State 1 (not shorted) |
| 1 | Closed | State 0 (shorted) |

## 6.5 External Digital Output Module Settings Block (45729-45808)

Up to 4 External Digital Output Modules can be addressed in this block.

Address - 2 bytes, unsigned integers.

A value of 0x0FFFF for an address indicates that this device is unused.

Line Number - 2 bytes, unsigned integers.

Point Number - 1 byte, unsigned integers.

Line Number and Point Number will point which limit is going to be used for the relay of the External Digital Output Module.

## 6.6 External Analog Output Module Settings Block (45813-45892)

Up to 4 External Analog Output Modules can be addressed in this block.

Address - 2 bytes, unsigned integers.

A value of 0x0FFFF for an address indicates that this device is unused.

Line Number - 2 bytes, unsigned integers.

Point Number - 1 byte, unsigned integers.

Line Number and Point Number will point which limit is going to be used for the relay of the External Analog Output Module.

## 6.7 External KYZ Output Module Settings Block (45893-45907)

Up to 4 External KYZ Output Modules can be addressed in this block.

Address - 2 bytes, unsigned integers.

A value of 0x0FFFF for an address indicates that this device is unused.

The energy assignments are as follows:

| KYZ Output Relay Byte Energy Assignments | |
|---|---|
| **Value** | **Energy Assignment** |
| 0 | Disabled |
| 1 | Q (1+4)Wh |
| 2 | Q1 VAh |
| 3 | Q1 VARh |
| 4 | Q4 VAh |
| 5 | Q4 VARh |
| 6 | Q (2+3)Wh |
| 7 | Q2 VAh |
| 8 | Q2 VARh |
| 9 | Q3 VAh |
| 10 | Q3 VARh |
| 11-18 | Internal Inputs Accumulations 1-8 |
| 19-22 | Internal Input Aggregator 1-4 |
| 23-30 | External Digital Input Module 1 in Accumulator 1-8 |
| 31-38 | External Digital Input Module 2 in Accumulator 1-8 |
| 39-46 | External Digital Input Module 3 in Accumulator 1-8 |
| 47-54 | External Digital Input Module 4 in Accumulator 1-8 |

## 6.8 CT & PT Ratio Settings Block (45909-45924)

Address - 2 registers, 4 bytes, unsigned integers.

Primary numbers and secondary numbers are in these blocks for the proper ratios.

## 6.9 Hookup and Time Settings Block (45925-45944)

Hookup - 1 register, 2 bytes.

High byte - Configuration Bits. Voltage selection.

- When bit 0 is cleared, 150V.
- When bit 0 is set, 300V.

Low byte - Wye/Delta selection.

| Wye/Delta Byte Energy Assignments | |
|---|---|
| **Value** | **Assignment** |
| 0 | Wye |
| 1 | Delta, 3 CTs |
| 2 | Delta, 2 CTs |
| 3 | 2.5 Element |
| 4 | 4 Wire Delta |

Frequency - currently not used.

Time Zone - 1 register, 2 bytes. Signed integer. The zone descriptor value varies from -13 to +13. The zone descriptor value 0 represents Greenwich Mean Time.

| Time Zone Descriptor | |
|---|---|
| **Value** | **Zone Descriptor** |
| 0 | ZD0 |
| 50 | ZD + 0.5 |
| 100 | ZD + 1 |
| 150 | ZD + 1.5 |
| -100 | ZD - 1 |
| -150 | ZD - 1.5 |

Daylight Savings Time Enable - 1 byte, unsigned integer.

| Daylight Savings Time Enable | |
|---|---|
| **Value** | **Zone Descriptor** |
| 0 | Disabled |
| 1 | Use Clock chip |
| 2 | Use programming block |

Transformer Loss Compensation (TLC) Enable - 1 byte, unsigned integer.

| Transformer Loss Compensation (TLC) Enable | | |
|---|---|---|
| **Value** | **Bits 0 & 1** | **Bit 2** |
| 0 | Disabled | Add |
| 1 | Iron only | Subtract |
| 2 | Copper only | |
| 3 Both | | |

Internal KYZ Form - 1 byte bit map.

Refer to the Internal KYZ Settings Block (46330) for more detail.

A bit value of 0 = Form C = Pulse of the relay.

A bit value of 1 = Form A = Transition of the relay.

| Internal KYZ Form Relay Assignments | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Bit Number** | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| **Relay Assignments** | 1 | 2 | 3 | 4 | LED | | | |

Daylight Savings Time Start/End.

Address - 4 registers, 8 bytes. Each byte has unsigned integer values (example below).

| Daylight Savings Time Start/End Byte Assignments | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Register** | **45929** | | **45930** | | **45931** | | **45932** | |
| **Byte** | High | Low | High | Low | High | Low | High | Low |
| **Assignments** | Reserved | Reserved | Month | Day | Hour | Minute | Second | Reserved |

% Loss of Watt or VAR

Address - 2 registers, 4 bytes, 2 bytes for integers and 2 bytes for fractions.

## 6.10 Average Settings Block (45949-45952)

Thermal and Block Averaging Time Interval: 1 register, 2 bytes unsigned integer. The unit is in 1 second.

Rolling Average Sub-Interval: 1 register, 2 bytes unsigned integer.

Number of Sliding Windows - 1 byte, unsigned integer.

Time of Use Log Enable is as follows:

| Time of Use Enable | |
|---|---|
| **Value** | **Description** |
| 0 | disabled |
| 1 - 255 | enabled |

## 6.11 Exception Profile Block (45953-45968)

This block is not yet defined.

## 6.12 Device Label Settings Block (45969-45992)

Meter Designation - 8 registers, 16 bytes Hex ASCII.

Auxiliary Voltage Label - 8 registers, 16 bytes Hex ASCII.

Measured Neutral Current Label - 8 registers, 16 bytes Hex ASCII.

## 6.13 Network Settings Block

**30153-30208, 51197-51198 - Network Cards 1 and 2**

**30209-30720 - Network Card 2**

**45993-46016, 50785-51154, 52297-52300 - Network Card 1)**

The Modbus registers for the Network Card 1 and 2 settings are distributed in different parts of the Programmable Settings block and the Enhanced Programmable Settings block. Since the settings themselves have the same characteristics irrespective of the card, they are all explained in this section.

**IEC 61850 GOOSE Message Configuration** is MSB first; Bits 31-16 reserved; Bits 15-00: when set, enables 16th - 1st position of the memory for received GOOSE message for Boolean data type input to trigger waveform capture.

**Port Use** is MSB first; Byte 7-4: reserved; Byte 3: GE EGD (Data Producer); Byte 2: Modbus TCP Client; Byte 1: Alarm/Email; Byte 0: SNTP.

**IP Address** is 2 registers, 4 bytes. Each byte has unsigned integer value.

**Subnet Mask** is 2 registers, 4 bytes. Each byte has unsigned integer value.

**Default Gateway** is 2 registers, 4 bytes. Each byte has unsigned integer value.

**Port 2 Baud Rate** is 1 byte, unsigned integer.

| Port 2 Baud Rate Values | |
|---|---|
| **Value** | **Baud Rate** |
| 0 | 4800 |
| 1 | 9600 |
| 2 | 19200 |
| 3 | 38400 |
| 4 | 57600 |
| 5 | 115200 |

**Gateway Delay** is 1 byte, unsigned integers.

| Gateway Delay in Milliseconds | |
|---|---|
| **Value** | **Delay in ms** |
| 0 | 0 |
| 1 | 15 |
| 2-255 | 30-3825 |

**Mode 1** is Network Mode 1. 1 register, only High Byte is used.

Bit 7: IP Address Resolution

A bit value of 1 means use DHCP server.

A bit value of 0 means use IP address of EPM9900/EEPROM.

Bits 0-6: Reserved

Computer Name - 8 registers, 16 bytes Hex ASCII.

Server IP Address - 2 registers, 4 bytes. Each byte has unsigned integer values.

**Mode 2** is Network Mode 2. 1 byte.

Bit 7: IP Address Resolution

A bit value of 0 means use IP address of EPM9900/EEPROM.

Bits 0-6: Reserved

**Computer Name**

**DNS Server 1 IP Address** is 2 registers, 4 bytes. Each byte has unsigned integer values.

**DNS Server 2 IP Address** is 2 registers, 4 bytes. Each byte has unsigned integer values.

**Server / Service Enable Bits** is 32 Bits - Reserved for future use.

The next 4 bytes are undefined.

**Email Client Settings**

| Email Mode | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| Bit 15: Require Authorization<br>1=No, 0=Yes | | | | | | | | | | | | | | | |

**MSB first, send email on:**

Bits 31-10: undefined

Bit 9: Transient capture

Bits 8-6: reserved

Bit 5: not used

Bit 4: Relay output change

Bit 3: PQ (CBEMA) event

Bit 2: Waveform capture

Bit 1: Digital input status change

Bit 0: Limit status change

**DNP LAN/WAN**

| DNP LAN/WAN Bitmap | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |

**Mode** is a 1 byte unsigned integer.

**Bitmap Set** is an 8-bit bitmap:

Bit 7 is TCP Enable.

A value of 0 means DNP over TCP listening point disabled.

A value of 1 means DNP over TCP listening point enabled.

Bit 6 is UDP Enable.

A value of 0 means DNP over UDP end point disabled.

A value of 1 means DNP over UDP end point enabled.

Bit 5 is Validate Client Point.

A value of 0 means no validation and any port is accepted.

A value of 1 means validate connections against the first 1-4 entries.

Bit 4 is UDP Response Behavior.

A value of 0 means respond to Client port.

A value of 1 means respond to programmed UDP respond port.

Bit 3 to Bit 0 are reserved.

**UDP Addressing** is an 1 byte unsigned integer.

**Validate Connection Count** is an 1 byte unsigned integer.

**TCP Listen Port** is a two byte unsigned integer - TCP listening port.

**UDP Listen Port** is a two byte unsigned integer - UDP listening port.

**Valid IP Address 1,2,3,4** are four, 4 byte IP addresses. Each byte is 1 unsigned integer. These are IP addresses for validating TCP connections and UDP datagrams.

**Valid IP Subnet Mask 1,2,3,4** are four 4 byte IP addresses. Each byte is an unsigned integer. These are IP subnet masks for validating TCP connections and UDP datagrams.

**TCP Starting Valid Client Ports** are four 2 byte unsigned integers. These are starting Client ports for validating TCP connections.

**TCP Ending Valid Client Ports** are four 2 byte unsigned integers. These are ending Client ports for validating TCP connections.

**UDP Starting Valid Client Ports** are four 2 byte unsigned integers. These are starting Client ports for validating UDP datagrams.

**UDP Ending Valid Client Ports** are four 2 byte unsigned integers. These are ending Client ports for validating UDP datagrams

**Multicast Group Address** is reserved for future use.

**UDP Respond Port** is a 2 byte unsigned integer.

- A value of 0 means respond to the Client port.
- A value of 1 means respond to the programmed UDP response port.

**SNTP: Sync source, MSB first;**

**Byte 1**: Sync source (0=IRIG-B, 1=SNTP, 2=Line sync, 3=PTP (IEEE 1588), 255=No sync.

**Byte 0**: Mode (0=Unicast, 1=Broadcast - not implemented currently)

**Port** defaults to 123 if equal to 0x000 or 0xFFFF

**Sync Rate** in minutes

**Timeout** in seconds

**Server 1 Name or IP address** in ASCII

**Server 2 Name or IP address** in ASCII

**Port Numbers**

**Web server listen port number** (valid numbers greater than 0 and less than 65536).

**FTP server control port number** (valid numbers greater than 0 and less than 65536).

**FTP server data port number** (valid numbers greater than 0 and less than 65536).

**GE EGD data port number** (valid numbers greater than 0 and less than 65536).

## 6.14 Block Window Average External Synchronization Block (46017)

BWA Synch Enable - 1 byte.

Instead of using the time interval, the EPM 9700 meter can calculate the Thermal and Block average when the pulse is detected on one of the High Speed Inputs.

| Block Window Average Synchronization Assignments | |
|---|---|
| **Value** | **Assignments** |
| 0 | Disabled |
| 1-255 | Enabled |

BWA Synch Mask - 1 byte. Only one input can be selected at a time. That means only one of the 8 bits can be set at a time.

| Block Window Average Synchronization Mask Input Assignments | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Bit** | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **Input Number** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Proper Value for each Assigned Input:

| Proper Value for Block Window Average Synchronization Mask Assigned Inputs | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Assigned Input** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Proper Value** | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 |

## 6.15 Display Configuration Block (46018)

1 register, 2 bytes.

Bit 15: Only applies to the voltage reading.

A bit value of 1 = Primary voltage displayed.

A bit value of 0 = Secondary voltage displayed.

Bit 0-14: Reserved.

## 6.16 Energy Direction Block (46019)

Received Energy Direction - 1 register, High byte only.

| Energy Direction Block Values | |
|---|---|
| **Value** | **Description** |
| 0 | (Q1+4)W = Received and (Q2+3)W = Delivered |
| 1 | (Q1+4)W = Delivered and (Q2+3)W = Received |

Power Factor Labeling - 1 register, Low Byte only.

| Power Factor Label Values | |
|---|---|
| **Value** | **Description** |
| 0 | Method 1 = Q1+ lag, Q2- lag, Q3- lead, Q4+ lead |
| 1 | Method 2 =Q1+ lag, Q2- lead, Q3+ lag, Q4- lead |
| 2-255 | Method 3 =Q1+ lag, Q2- lag, Q3- lead, Q4+ lead |

## 6.17 Reserved for Future Use (46020)

Reserved for future use.

## 6.18 Full Scale Block (46021-46036)

2 registers, 4 bytes - 2 bytes integers and 2 bytes fraction values.

## 6.19 External Module Software Interface Block (46053-46196)

External Module Types - 1 byte value, unsigned integer.

External Module Slots - 1 byte value, unsigned integer.

External Module Label - 8 registers, 16 bytes. Hex ASCII.

| External Module Types and Slots | | |
|---|---|---|
| **Value** | **Type** | **Slot** |
| 0 | Not assigned | 1 |
| 1 | KYZ | 2 |
| 3 | Analog Output 4-20 mA, 4 channel | 4 |
| 4 | Analog Output 4-20 mA, 8 channel | |
| 6 | Analog Output 0-1 mA, 4 channel | |
| 6 | Analog Output 0-1 mA, 8 channel | |
| 7 | Digital Output | |

## 6.20 External Module Port Assignment Block (46197-46206)

Port Assignment bytes are enumerated as in the following table:

| External Module Port Assignments | |
|---|---|
| **Value** | **Assignment** |
| 0x000 | Port 4 |
| 0x001 | Port 3 |
| 0x002 | Port 2 |
| 0x003 | Port 1 (232/485) |
| 0x004 | Diagnostic Port (not currently in use) |

## 6.21 Manual Control Relay Block (46207-46208)

Manual Control Relay Settings: 1 register, 2 bytes.

Up to four Relay Output Modules can be attached to an EPM 9700 meter. A Total of 16 Relays can be controlled. The table below indicates which bit controls which relay.

| Relay Control | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Modules** | Module 1 | | | | Module 2 | | | | Module 3 | | | | Module 4 | | | |
| **Bits** | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| **Relays** | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |

A bit value of 1 means Manual Relay Control Only.

A bit value of 0 means ElectroLogic and Manual Relay Control.

## 6.22 Internal Input Pulse Accumulation Scale Factor Block (46209-46325)

Scale Factors - 2 registers, 4 bytes unsigned integers.

Aggregator Assignments - 1 byte unsigned integers.

Pulse Accumulation Labels - 8 registers, 16 bytes. Hex ASCII.

| Internal Input Pulse Accumulator Assignments | | |
|---|---|---|
| **Value** | **Energy** | **Assigned Aggregator** |
| 0 | Q1 and Q4 Whr | None |
| 1 | Q2 and Q3 Whr | Add to Aggregator 1 |
| | | Add to Aggregator 2 |
| | | Add to Aggregator 3 |
| | | Add to Aggregator 4 |
| | | Subtract from Aggregator 1 |
| | | Subtract from Aggregator 2 |
| | | Subtract from Aggregator 3 |
| | | Subtract from Aggregator 4 |

EPM 9700 Meter Watt hour Selection - 1 byte unsigned integer.

Aggregation Assignment - 1 byte unsigned integer.

## 6.23 $I^2t$ and $V^2t$ Threshold Block (46326-46329)

I squared T - 2 registers, 4 bytes. 2-byte integers, 2-byte fractions. Secondary Current Value.

V squared T - 2 registers, 4 bytes. 2-byte integers, 2-byte fractions. Secondary Volt Value.

## 6.24 Internal KYZ Settings Block (46330-46372)

Internal KYZ Enable is 1 byte.

A bit value of 1 = KYZ is enabled.

A bit value of 0 = KYZ is disabled.

| Internal KYZ Enable Assignment | |
|---|---|
| **Bit** | **Assignment** |
| Bit 7 | Relay 1/Pulse 1 LED |
| Bit 6 | Relay 2/Pulse 2 LED |
| Bit 5 | Relay 3 |
| Bit 4 | Relay 4 |

Internal KYZ Pulse Width - 1 byte, unsigned integer.

| Internal KYZ Pulse Width | | | | | | |
|---|---|---|---|---|---|---|
| **Value** | 0 | 1 | 2 | 3 | 4 | 5-127 |
| **Pulse width in ms** | Disable | 5 | 10 | 15 | 20 | 25-635 |

Internal KYZ Channel Assignment - 1 byte, unsigned integer.

| Internal KYZ Channel Assignment | |
|---|---|
| **Value** | **Channel Assignment** |
| 0 | +Qh Total |
| 1 | -Qh Total |
| 2 | Quad 1 Whr |
| 3 | Quad 2 Whr |
| 4 | Quad 3 Whr |
| 5 | Quad 4 Whr |
| 6 | Quad 1 VARhr |
| 7 | Quad 2 VARhr |
| 8 | Quad 3 VARhr |
| 9 | Quad 4 VARhr |
| 10 | Quad 1 VAhr |

| Internal KYZ Channel Assignment | |
|---|---|
| **Value** | **Channel Assignment** |
| 11 | Quad 2 VAhr |
| 12 | Quad 3 VAhr |
| 13 | Quad 4 VAhr |
| 14 | Not applicable |
| 15 | " |
| 16 | " |
| 17 | " |
| 18 | " |
| 19 | " |
| 20 | Uncompensated VAhr Quad 1+4, Total |
| 21 | Uncompensated Whr Quad 1+4, Total |
| 22 | Uncompensated Whr Quad 2+3, Total |
| 23 | Uncompensated VARhr Quad 1+2, Total |
| 24 | Uncompensated VARhr Quad 3+4, Total |
| 25 | Not applicable |
| 26 | " |
| 27 | " |
| 28 | " |
| 29 | " |
| 30 | " |
| 31 | " |
| 32 | Quad (1+2+3+4) VAhr |
| 33 | Quad (1+4) Whr |
| 34 | Quad (2+3) Whr |
| 35 | Quad (1+2) VARhr |
| 36 | Quad (3+4) VARhr |
| 37 | Not applicable |
| 38 | " |
| 39 | " |
| 40 | Quad (1+2+3+4) Whr |
| 41 | Quad (1+2+3+4) VARhr |
| 42 | Not applicable |
| 43 | " |
| 44 | " |
| 45 | " |
| 46 | " |
| 47 | " |

Internal KYZ Watt Hour per pulse - 2 registers, 4 bytes, 2 byte integer, 2 byte fraction.

End of Interval Pulse - The meter can generate a pulse upon completion of a block window interva1. This pulse is generated on one of the relays and the pulse width is selectable.

| End of Interval Pulse | | | |
|---|---|---|---|
| | Byte | | |
| Value | Enable | Relay | Width (milliseconds) |

| | | | |
|---|---|---|---|
| 0 | Disable Pulse | Internal Relay 1/Pulse 1 LED | 5ms |
| 1 | Enable Pulse | Internal Relay 2/Pulse 2 LED | 10ms |
| 2 | | Internal Relay 3 | 15ms |
| 3 | | Internal Relay 4 | 20ms |
| 4-126 | | | 25ms-635ms |

## 6.25 Internal Input Pulse Accumulation Unit Label Block (46373-46420)

Internal Input Pulse Accumulation Unit Label is 4 registers, 8 bytes. These labels are used to describe the units a pulse represents. Units are usually one word and are 8 characters or less.

Examples of Units: Gallons, BTUs, Liters, Wh, kWh, VAh, etc.

## 6.26 ElectroLogic Block (46421-46804)

• The relay logic settings are as follows:

| Bits 2-4 | Combo Logic |
|---|---|
| 000 | AND |
| 001 | OR |
| 010 | XOR |
| 011 | Hysteresis |
| 100 | NAND |
| 101 | NOR |
| 110 | NXOR |
| 111 | NHysteresis |

## 6.27 Limit Profile Label Block (46805-47060)

8 registers, 16 bytes. 16 characters

## 6.28 External Analog Output Module Channel Update Block (47061-47062)

This block is added to improve the update speed of what is sent to the External Analog Output Modules from the meter. Not all channels of the External Analog Output Module might be in use. The value indicates the number of External Analog Output Module channels that are refreshed per Modbus message. In the older versions of External Analog Output Modules, only one channel update was possible at a time.

| External Analog Output Module Update Speed | |
|---|---|
| **Value** | **Update** |
| 0 | 1 channel at a time |
| 1 | 2 channels at a time |
| 2 | 4 channels at a time |
| 3 | 4 channels at a time |
| 4-255 | 8 channels at a time |

## 6.29 Miscellaneous DNP Settings Block (47063-47104)

Scale for Analog Output of Average Pulse Accumulation - 1 byte unsigned integer.

Pulse accumulation values are 8-byte. But the Analog Output Module can accept 4-byte quantity. Therefore, only 4 bytes out of 8 bytes will be sent to Analog Output Module. This register decides which 4 bytes will be sent out.

| Values | Bytes to be Sent Out |
|---|---|
| 0 | Bytes 7,6,5,4 |
| 1 | Bytes 6,5,4,3 |
| 2 | Bytes 5,4,3,2 |
| 3 | Bytes 4,3,2,1 |
| 4 | Bytes 3,2,1,0 |

Energy in the Interval - 1 byte unsigned Integer. This is the Interval Time for Energy in the Interval. Unit is in minutes. Range is from 60 to 0.

DNP Time Synchronization Enable - 1 byte. Register Address 47064 (Lower Byte).

A value of 1 means that DNP Time Synchronization is enabled

A value of 0 means that DNP Time Synchronization is disabled

DNP Time Synchronization Time Interval - 1 register, 2 bytes. Register Address 47065.

| Value | Time (1 minute interval) |
|---|---|
| 0 | No time synchronization |
| 1 | 1 minute |
| 2 | 2 minutes |
| ... | ... |
| 60 | 1 hour |
| 61 | 1 hour, 1 minute |
| ... | ... |
| 1439 | 23 hours, 59 minutes |
| 1440 | 1 day |
| 1441-65535 | 1 day (default) |

Bitmap

Bit 13: Choice of Class 0 poll between Object 20 and Object 21

| Register | Value | Description |
|---|---|---|
| 40766 (Bit 13) | 1 | Object 21 |
| | 0 | Object 20 |

Bit 12: Enable DNP Freeze Schedule

| Register | Value | Description |
|---|---|---|
| 40766 (Bit 12) | 1 | Enabled |
| | 0 | Disabled |

DNP Freeze Date & Time - 4 registers, 8 bytes.

| Register | Byte | Name | Range |
|---|---|---|---|
| 47067 - High | 7 | Century | 0-99 |
| 47067 - Low | 6 | Year | 0-99 |
| 47068 - High | 5 | Month | 1-12 |
| 47068 - Low | 4 | Day | 1-31 |
| 47069 - High | 3 | Hour | 0-23 |
| 47069 - Low | 2 | Minute | 0-59 |
| 47070 - High | 1 | Second | 0-50 |
| 47070 - Low | 0 | Centisecond | 0 (always 0) |

DNP Freeze Interval - 1 register, 2 bytes.

| Register | Byte | Name | Range |
|---|---|---|---|
| 47071-High | 1 | Hour | 0-48 |
| 47071-Low | 0 | Minute | 0-59 |

## 6.30 Custom DNP Definition Block for Analog Input (Object 30) (47105-47360)

Line number: 2-byte unsigned integer

Point number: 1-byte unsigned integer

Line number and Point number will indicate the Analog Input value to be used for one of the point in Object 30.

Reserved: 1 byte. Reserved for future use.

DeadBand: 2-byte signed number (Percentage)

Range: +327.67% 327.6/ 8% -

Unit: 0.01%

If the Current Analog Value is different from the Previous value by more than Deadband percentage, the meter will generate Analog Change Event value if it is assigned to any Class.

Class assignments (Currently only bits 5,4 and 3 are used): 8-bit bitmap

When bit 5 is set, the Analog Change Event value will not be generated.

When bit 5 is clear, bit 4 and bit 3 will assign the Analog Change Event value to a Class.

| Class Assignments for Analog Change Event | | | |
|---|---|---|---|
| **Bit 5** | **Bit 4** | **Bit 3** | **Class Assignment** |
| 0 | 0 | 0 | No class |
| 0 | 0 | 1 | Class 1 |
| 0 | 1 | 0 | Class 2 |
| 0 | 1 | 1 | Class 3 |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |

Reserved: 1 byte. Reserved for future use.

## 6.31 Custom DNP Definition Block for Binary Counter (Object 20) (47361-47424)

Line number: 2-byte unsigned integer

Point number is a 1-byte unsigned integer.

Line number and Point number will indicate the Binary Counter value to be used for one of the point in Object 20.

Scaling: 1-byte unsigned integer

Range: 0-15

The meter has an 8-byte Binary Counter Value, while DNP can only give a 4-byte value. By using this scaling, the user can get the proper range of data. The scaling value represents the power of 10.

Delta Values: 4-byte unsigned integer

If the Current Binary Counter value is different from the Previous value more than Delta values, the Counter Change Event value will be generated if it is assigned to a Class.

Class assignments (Currently bits 5,4,3,2,1 and 0 are used): 8-bit bitmap

When bit 5 is set, the Counter Change Event value will not be generated.

When bit 5 is clear, bit 4 and bit 3 will assign the Counter Change Event value to a Class.

| Class Assignments for Counter Change Event | | | |
|---|---|---|---|
| **Bit 5** | **Bit 4** | **Bit 3** | **Class Assignment** |
| 0 | 0 | 0 | No class |
| 0 | 0 | 1 | Class 1 |
| 0 | 1 | 0 | Class 2 |
| 0 | 1 | 1 | Class 3 |
| 1 | X | X | No class |

| Class Assignments for Counter Change Event | | | |
|---|---|---|---|
| **Bit 5** | **Bit 4** | **Bit 3** | **Class Assignment** |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |

When bit 2 is set, the Frozen Counter Event value will not be generated.

When bit 2 is clear, bit 1 and bit 0 will assign the Frozen Counter Event value to a Class.

| Class Assignments for Frozen Counter Events | | | |
|---|---|---|---|
| **Bit 2** | **Bit 1** | **Bit 0** | **Class Assignment** |
| 0 | 0 | 0 | No class |
| 0 | 0 | 1 | Class 1 |
| 0 | 1 | 0 | Class 2 |
| 0 | 1 | 1 | Class 3 |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |

Reserved: 7 bytes. Reserved for future use.

## 6.32 Custom DNP Definition Block for Binary Input (Object 1) (47425-47456)

Line number: 2-byte unsigned integer

Point number is a 1-byte unsigned integer

Line number and Point number indicate the Binary Input value used for 8 points in Object 1.

Class Assignments: 8-bit bitmap (1 byte).

Bit 7, 6 and 5 will assign the Binary Input Change value to a Class.

Bit 4 to bit 0 are not used.

| Class Assignments for Binary Input Change | | | |
|---|---|---|---|
| **Bit 7** | **Bit 6** | **Bit 5** | **Class Assignment** |
| 0 | 0 | 0 | No class |
| 0 | 0 | 1 | Class 1 |
| 0 | 1 | 0 | Class 2 |
| 0 | 1 | 1 | Class 3 |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |
| 1 | X | X | No class |

Reserved: 4 bytes. Reserved for future use.

## 6.33 Custom DNP Definition Block for Binary Output (Object 10) (47457-47458)

Enable / Disable Relays (1-16) (2 bytes):

0: Relay disabled

1: Relay enabled

| Bits | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Relays | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Enable / Disable Resets (17-24) (1 byte):

0: Reset disabled

1: Reset enabled

| Bits | Resets |
|---|---|
| 15 | Log Reset |
| 14 | Maximum Reset |
| 13 | Minimum Reset |
| 12 | Energy Reset |
| 11 | Reset TOU Current Season and Current Month |
| 10 | Manual Waveform Capture |
| 9 | Reset KYZ Output Accumulations |
| 8 | Reset Unit to Boot Mode - Default Communication Settings |
| 7-0 | Reserved |

## 6.34 Custom DNP Definition Block for Global Values (47459-47463)

When the master requests data from the object, it can specify the variation in the request so the master can get the data formatted for its use. When the master asks for Variation 0, the slave meter can respond with any variation(s). This Programmable Setting holds the variations available for a Variation 0 request.

| Address | Object | Object Number | Variations Available for a Variation 0 Request |
|---|---|---|---|
| 47459-High | Binary Input | 1 | 1,2 |
| 47459-Low | Binary Input Change | 2 | 1,2 |
| 47460-High | Binary Counter | 20 | 1,2,5,6 |
| 47460-Low | Frozen Counter | 21 | 1,2,5,6,9,10 |
| 47461-High | Counter Change Event | 22 | 1,2,5,6 |
| 47461-Low | Frozen Counter Event | 23 | 1,2,5,6 |
| 47462-High | Analog Input | 30 | 1,2,3,4 |
| 47463-High | Analog Change Event | 32 | 1,2,3,4 |

## 6.35 External Digital Output Module Labels Block (49793-50176)

8 registers, 16 bytes.

Each relay, normally open, and normally closed can be named with 16 characters.

They are 4 of each and up to 4 modules.

## 6.36 Customizable Modbus Map Settings Block (50273-50784)

Using this block, you can customize up to 256 readings. All the readings that are customized in this block can be seen in the Customized Modbus Map Window Block (12289).

Line Number is 2 bytes.

Point Number is 1 byte.

Reserved is 1 byte that is currently not used.

You can select any Register or Group of Registers that has a Line Number and a Point Number from the Modbus Register Map. Those selections are used to create a customized grid of up to 256 readings in the Communicator software's Device Profile.

For example:

In order to read 1 Cycle Phase A-N Voltage as Item Number 1 on your customized Modbus map, you would enter for Item 1: Line Number 10 and Point Number 0. Refer to the *GE Communicator Instruction Manual* for details on the creation of your customized Modbus map.

## 6.37 Reserved for Future Use (50785-50860)

## 6.38 Customizable Modbus Map Format Block (51201-51712)

Using this block, you can customize up to 256 readings. All the readings that are customized in this block can be seen in the Customized Modbus Map Window Block (12289).

Line Number is 2 bytes.

Point Number is 1 byte.

Reserved is 1 byte that is currently not used.

You can select any Register or Group of Registers that has a Line Number and a Point Number from the Modbus Register Map. Those selections are used to create a customized grid of up to 256 readings in the meter's Communicator software's Device Profile.

For example:

In order to read 1 Cycle Phase A-N Voltage as Item Number 1 on your customized Modbus map, you would enter for Item 1: Line Number 10 and Point Number 0. Refer to the *GE Communicator Instruction Manual* for details on creating a customized Modbus map.

## 6.39 Energy Scale Settings (51713-51746)

This block contains the registers shown in the table below.

| Energy Scale Settings | | | | | | | |
|---|---|---|---|---|---|---|---|
| Q1234 VAh | Q12 VARh | Q34 VARh | Q14 Wh | Q1 VAh | Q1 VARh | Q4 VAh | Q4 VARh |
| Q23 Wh | Q2 VAh | Q2 VARh | Q3 VAh | Q3 VARh | I2T Phase A | I2T Phase B | I2T Phase C |
| V2T Phase A | V2T Phase B | V2T Phase C | Q1 Wh | Q4 Wh | Q2 Wh | Q3 Wh | Q1234 VAh U |
| Q12 VARh U | Q34 VARh U | Q14 Wh U | Q23 Wh U | +Qh | -Qh | Q14 Wh TM | Q1 VAh TM |
| Q1 VARh TM | Q4 VAh TM | Q4 VARh TM | Q23 Wh TM | Q2 VAh TM | Q2 VARh TM | Q3 VAh TM | Q3 VARh TM |
| Pulse Acc 1 | Pulse Acc 2 | Pulse Acc 3 | Pulse Acc 4 | Pulse Acc 5 | Pulse Acc 6 | Pulse Acc 7 | Pulse Acc 8 |
| Pulse Agg 1 | Pulse Agg 2 | Pulse Agg 3 | Pulse Agg 4 | Sync | FVF | Op stat ot en | Op stat ot sel |

Each register contains 2 bytes. Each byte contains settings for a base quantity. The format of a byte is as follows:

| **Bit** | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|
| **Meaning** | **Digits** | | | **Unit** | | **Decimal Places** | | |

Digits is a 3 bit field, which is offset by 2 to represent from 2 to 9 displayable digits.

Unit is a 2-bit field, where the values from 0 to 2 represent units of Wh (100), k (103) and M (106).

The value 3 is undefined and is treated the same as 2, signifying M (106).

Decimal Places is a 3-bit field, which represent from 0 to 7 decimal places.

Examples: For the following, the Q1234 VAh has a current value of 123,456,789.0123 VAh.

| RegisterCA00H | | Digits | Unit | D.P. | Pattern | Reading | | Display |
|---|---|---|---|---|---|---|---|---|
| Hex | Binary | | | | | Hex | Decimal | |
| 20xxH | 001 00 000 | 3 | VAh, 100 | 0 | xxx VAh | 00000315H | 789 | 789 VAh |
| 8BxxH | 100 01 011 | 6 | kVAh, 103 | 3 | xxx.xxx kVAh | 0006F855H | 456789 | 456.789 kVAh |
| 88xxH | 100 01 000 | 6 | kVAh, 103 | 0 | xxxxxx kVAh | 0001E240H | 123456 | 123456 kVAh |
| 93xxH | 100 10 011 | 6 | MVAh, 108 | 3 | xxx.xxx MVAh | 0001E240H | 123456 | 123.456 MVAh |
| 72xxH | 011 10 010 | 5 | MVAh, 108 | 2 | xxx.xx MVAh | 00003039H | 12345 | 123.45 MVAh |
| C2xxH | 110 00 010 | 8 | VAh, 100 | 2 | xxxxxxxx VAh | 02B90135H | 45678901 | 456,789.01 VAh |

## 6.40 Reserved for Future Use (51862-52245)

## 6.41 Accumulators/Aggregators Average Full Scale (52249-52296)

4 registers, 8 bytes integer number

Range: 999999999999999/0

## 6.42 Update Settings Block (52977-53248)

This block consists of the following registers:

**User Memo Field** (256 bytes)- 128 registers, 256 bytes. User can write any notes up to 255 characters in this memo field.

**Name of User Who Last Updated the Profile** (256 bytes) - These registers are used internally with the software. No interactions are required by the user.

**Device Profile Version** (Year, Month/Day, Build) - These registers have the updated date for Device Profile. These registers are used internally with the software. No interactions are required by the user.

**Program Software ID** - These registers have software ID. These registers are used internally with the software. No interactions are required by the user.

**General Electric Device Type** (Base Unit, Option 1/Option 2, Option 3/Option 4) - These registers have information on what type of EIG meters that the software is communicating to. These registers are used internally with the software. No interactions are required by the user.

**Update Programming Software Version Number** (Major, Minor, Revision) - These registers have software version number. These registers are used internally with the software. No interactions are required by the user.

**Update Time** - This register contains the time the profile was updated. No interactions are required by the user.

## 6.43 Reserved for Future Use (53249-53348)

## 6.44 Reserved for Future Use (55296-57344)

## 6.45 Waveform and PQ Settings

RMS Set Points

The Set Points control at what RMS voltage or current above or below the Full Scale value a waveform capture or PQ event occurs. The values are given in percentage of Full Scale, where each count is equal to 0.01%. So for example:

Voltage P-N Full Scale: 120 V

Set Point Value: 11070

Set Point Percentage: 110.70%

RMS Set Point: 132.84 V

Each Set Point value is a 2 byte signed integer. The Below Set Point is used to configure sag detection, and the Above Set Point is used to configure swell detection.

Below is the table of Set Points:

| Set Point | Modbus Address |
|---|---|
| Volts AN Below | 0xB198 |
| Volts BN Below | 0xB199 |
| Volts CN Below | 0xB19A |
| Volts AB Below | 0xB19B |
| Volts BC Below | 0xB19C |
| Volts CA Below | 0xB19D |
| Volts XN Below | 0xB19E |
| Volts AN Above | 0xB1A4 |
| Volts BN Above | 0xB1A5 |
| Volts CN Above | 0xB1A6 |
| Volts AB Above | 0xB1A7 |
| Volts BC Above | 0xB1A8 |
| Volts CA Above | 0xB1A9 |
| Volts XN Above | 0xB1AA |
| $I_A$ Below | 0xB1B0 |
| $I_B$ Below | 0xB1B1 |
| $I_C$ Below | 0xB1B2 |
| $I_N$ Below | 0xB1B3 |
| $I_A$ Above | 0xB1B4 |
| $I_B$ Above | 0xB1B5 |
| $I_C$ Above | 0xB1B6 |
| $I_N$ Above | 0xB1B7 |

NOTE

Registers 0x7928 - 0x7929 must be set to zero for the Set Points to work.

**RMS Waveform Sag and Swell Limit Enables**

Enables or disables waveform capture on the specified channel for sags and swells. A value of 1 enables capture for sags and swells, a value of 0 disables capture. Both sags and swells must be enabled together.

**Voltage Enables** (register 0xB1B8)

| Bit # | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | XE | CE | BE | AE | NE | XN | CA | BC | AB | CN | BN | AN |

**Current Enables** (register 0xB1BA)

| Bit # | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | N | C | B | A |

**Waveform Capture Count** (register 0x7570-0x7571)

Controls the number of records captured when a waveform event occurs. Since the maximum size of a single waveform record is 180 cycles (approximately 3 seconds at a nominal 60hz), to perform a larger capture you need to capture multiple records. The value is + 1, so a value of 0 results in 1 record, a value of 10 results in 11 records, and so on. The maximum number of captures is 65525.

**Waveform Capture Sample Rate** (register 0x7574)

Controls the number of samples per nominal 60hz cycle stored in the waveform capture. Decreasing this can decrease the size of the record, allowing more captures. Additionally, the maximum number of Cycles per Capture is affected by the sample rate, as shown below:

| Value | Samples per 1/60$^{th}$ of a second | Maximum Cycles per capture |
|---|---|---|
| 0 | 16 | 180 |
| 1 | 32 | 180 |
| 2 | 64 | 180 |
| 3 | 128 | 180 |
| 4 | 256 | 120 |
| 5 | 512 | 60 |
| 6 | 1024 | 40 |

Compression Factor (0x758C) must be set to match.

**Pre-Trigger Cycles** (register 0x7575 – High Byte)

The number of cycles to be included in the waveform capture from prior to the triggering cycle. Must be between 1 and 179, and the sum of pre and post triggers must be <= the Max Cycles controlled by Sample Rate.

**Post-Trigger Cycles** (register 0x7575 – Low Byte)

The number of cycles to be included in the waveform capture after the triggering cycle. Must be between 1 and the Max Cycles – Pre-Trigger.

**Internal Input Trigger Enables** (register 0x7576)

Enables or disables waveform and pq capture on internal input triggers. A value of 1 enables triggers on that input, a value of 0 disables triggers on that input.

| Waveform Trigger Enable | | | | | | | | Power Quality Trigger Enable | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

**Transient Set Points** (register 0x7578 - 0x757A)

The Transient Set Points control at what voltage magnitude a Transient capture will be triggered. Note that Transients are triggered by the sample value, not the cycle RMS. As such, the minimum allowed value for WYE hookup is 250%, and for DELTA hookup is 144.2%. The values are given in percentage of Full Scale, where each count is equal to 0.1%. So for example:

Voltage P-N Full Scale: 120v

Set Point Value: 3100

Set Point Percentage: 310.0%

Voltage Set Point: 372v

Each Set Point value is a 2 byte signed integer. Set Points are applied to both Positive and Negative Triggers. Below is the table of Set Points:

| Set Point | Modbus Address |
|---|---|
| Volts A | 0x7578 |
| Volts B | 0x7579 |
| Volts C | 0x757A |

**Waveform Channel Selection Count** (register 0x757C)

The number of channels to be included in a waveform capture. This doesn't have to be the same number of trigger channels.

**Waveform Channel Selection List** (register 0x757D - 0x758B)

The list of channels to be included in a waveform capture. Up to 15 channels may be selected, though the first channel must always be Channel 80 (High Speed Inputs). The list of channels do not have to be the same as the trigger channels. Each channel is a 2 byte ID, shown below:

| Channel Name | Channel ID |
|---|---|
| High Speed Inputs | 80 |
| Volts AN | 0 |
| Volts BN | 1 |
| Volts CN | 2 |
| Volts AB | 3 |
| Volts BC | 4 |
| Volts CA | 5 |
| Volts XN | 6 |
| Volts NE | 36 |
| Volts AE | 32 |
| Volts BE | 33 |
| Volts CE | 34 |
| $I_A$ | 37 |
| $I_B$ | 38 |
| $I_C$ | 39 |
| $I_N$ | 40 |

| | |
|---|---|
| Volts Residual | 7 |
| I Residual | 8 |

**Waveform Compression Factor** (register 0x758C)

Must be set to match the Waveform Sample Rate.

| Compression Factor Value | Samples per 1/60$^{th}$ of a second |
|---|---|
| 0 | 16 |
| 1 | 32 |
| 2 | 64 |
| 3 | 128 |
| 4 | 256 |
| 5 | 512 |
| 6 | 1024 |

**PQ Trigger Enables** (register 0x758D - 0x758E)

Enables or disables PQ Event triggering on individual channels. A value of 1 enables triggering, a value of 0 disables triggering.

**Voltage PQ Enables** (register 0x758D)

| Bit # | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | XE | CE | BE | AE | NE | XN | CA | BC | AB | CN | BN | AN |

**Current PQ Enables** (register 0x758D)

| Bit # | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | N | C | B | A |

**Return Hysteresis Set Points** (register 0x7800 - 0x781F)

Configures when a sag or swell event is considered to have returned to normal. For PQ Events, this triggers the return to normal event, signifying the end of a PQ Event.

Hysteresis values are given as a percentage adjustment to the Set Point, where each count is equal to 0.01% of Full Scale, offset towards nominal from the Set Point. This Hysteresis value will always be closer to the full scale value then the Set Point. Negative values are not allowed.

For example, with swells:

Swell Set Point: 110.0%

Swell Hysteresis: 2.0%

Return Point: 108.0%

For example, with sags:

Sag Set Point: 90.0%

Sag Hysteresis: 2.0%

Return Point: 92.0%

Each Set Point value is a 2 byte signed integer. A value of 0% disables Hysteresis.

| Set Point | Modbus Address |
|---|---|
| Volts AN Below | 0x7800 |
| Volts BN Below | 0x7801 |
| Volts CN Below | 0x7802 |
| Volts AB Below | 0x7803 |
| Volts BC Below | 0x7804 |
| Volts CA Below | 0x7805 |
| Volts XN Below | 0x7806 |
| Volts AN Above | 0x780C |
| Volts BN Above | 0x780D |
| Volts CN Above | 0x780E |
| Volts AB Above | 0x780F |
| Volts BC Above | 0x7810 |
| Volts CA Above | 0x7811 |
| Volts XN Above | 0x7812 |
| $I_A$ Below | 0x7818 |
| $I_B$ Below | 0x7819 |
| $I_C$ Below | 0x781A |
| $I_N$ Below | 0x781B |
| $I_A$ Above | 0x781C |
| $I_B$ Above | 0x781D |
| $I_C$ Above | 0x781E |
| $I_N$ Above | 0x781F |

**$U_{SR}$ Enables** (register 0x7928 - 0x7929)

Both registers must be set to zero for Waveform Set Points to operate.

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 7: Register Block Titles

This chapter expands upon information listed in Chapter 2 "*Modbus Register Map*". "Register Block Titles" refers to a Register or Group of Registers in the Register Map that serve a particular purpose or function.

## 7.1 Device Identification Block (00001-00080)

Description: Registers included in this block: Device Name, Firmware Variation Strings 0-7, Comm Firmware Boot version number, Comm Firmware Runtime version number.

Note that the DSP Firmware information is located as follows:

- Run-Time Version Number is located in Modbus Holding registers FD03H-FD04H.
- ID is located in Modbus Holding registers FD05H-FD06H.
- Type is located in Modbus Holding register FD02H.
- State is located in Modbus Holding register FD40H. DSP is in Healthy state if the value is 0.
- Variation String is located in Modbus Holding registers starting at EF80H, for 64 registers. It is a string type data with ASCII characters, 128 characters long. It contains factory set firmware information for identification and informational purposes.

All of the Device Identification and DSP Firmware data is in ASCII format. See 3.2 *Type F1 Null Terminated ASCII String* on page 3–1 for information.

## 7.2 Real Time Block (00081-00089)

Description: Registers included in this block: On Time, Current Time, Current Day of the Week. (See 3.3, 3.4.)

**On Time (00081-00084)**

These Registers keep the Time of the meter when it is turned on. The format of the Registers follows the table below. Byte 0 indicates the high byte of the Register 00081 and the byte 7 indicates the low byte of Register 00084. These Registers are for Read Only.

| Byte | Range | Description |
|---|---|---|
| 0 | 0-255 | Century |
| 1 | 0-99 | Year |
| 2 | 1-12 | Month |
| 3 | 1-31 | Day |
| 4 | 0-23 | Hour |
| 5 | 0-59 | Minute |
| 6 | 0-59 | Second |
| 7 | 0-99 | Centisecond |

**Current Time (00085-00088)**

These Registers keep the Current Time of the meter. These values are kept by an internal battery even when the meter is off. The format of the Registers follows the table above.

**Current Day of the Week (00089)**

This Register keeps the Current Day of the Week. The format follows the table below.

| Value | Day of Week |
|---|---|
| 0001H | Sunday |
| 0002H | Monday |
| 0003H | Tuesday |
| 0004H | Wednesday |
| 0005H | Thursday |
| 0006H | Friday |
| 0007H | Saturday |

Example: Resetting the Time on a meter.

For May 20, Century is 20 (14H). Year is 02. Month is 05. Day is 20 (14H). Hour is 15 (0FH). Minute is 45 (2DH). Second is 00. Centisecond is 00. Day is 0002H.

The following data is sent to the EPM 9700 meter address 1. Registers 00085 through 00089 are written sequentially in one request. Register 00089, Current Day of the Week, must be included in the request. (Refer to Chapter 1 *"Modbus Protocol Overview"* for Function Code 1.)

0110005400050A140205140F2D00000002B44A

01 - Meter Address

10 - Function Code

0054 - Starting Address

0005 - Number of Registers

0A - Number of Bytes

140205140F2D00000002 - Actual data for Time and Date

B44A - Two-byte CRC Checksum

## 7.3 1 Cycle Block (00090-00118)

Description: 1 Cycle Registers included in this block: Block Time Stamp, Phase A-N, B-N, C-N, Aux Voltage, Phase A, B, C Current, Measured Neutral Current, Calculated Neutral Current, Phase A-B, B-C, C-A Voltage, High Speed Input Delta and Current State. (See 3.3, 3.5, 3.6.)

Type F68 Secondary 1 Cycle RMS Voltage and Current

Length: 2 Register (4 bytes)

Range: 4,294,967,295 V,A / 0 V,A

Unit: 1/65536 V, A

These registers together are a four-byte unsigned integer where the first register contains the LSB word.

Example:

Address: 0x005D – 0x005E Value: 0xE6D7 – 0x0077

4-byte unsigned integer (Hex): 0x0077E6D7

4-byte integer (decimal):7,857,879

1/65536 V secondary: 119.902v

## 7.4 High Speed Block (00119-00175)

Description: High Speed Registers are updated with a user programmable rate of between 2 cycles and 20 cycles; included in this block are: High Speed Block Time Stamp, High Speed Phase A-N, B-N, C-N, High Speed Aux Voltage, High Speed Phase A, B, C Current, High Speed Measured Neutral Current, High Speed Phase AB, B-C, C-A Voltage, High Speed Phase A, B, C VA, Three Phase VA, High Speed Phase A, B, C VAR, Three Phase VAR, High Speed Phase A, B, C Watts, Three Phase Watts, High Speed Frequency, High Speed Phase A, B, C Power Factor, Three Phase Power Factor, High Speed Phase A-N Voltage to Aux Voltage Phase Angle (See 3.3, 3.7, 3.8, 3.9.)

## 7.5 One Second Block (00176-00235)

Description: One Second Registers included in this block: Block Time Stamp, Phase A-N, B-N, C-N, Aux Voltage, Phase A, B, C Current, Measured Neutral Current, Calculated Neutral Current, Phase A-B, B-C, C-A Voltage, Phase A, B, C VA, VA, Phase A, B, C VAR, Three Phase VAR, Phase A, B, C Watts, Three Phase Watts, Frequency, Phase A, B, C Power Factor, Three Phase Power Factor, Voltage Imbalance, Current Imbalance. (See 3.3, 3.7, 3.8, 3.10.)

## 7.6 Thermal Average Block (00236-00295)

Description: Thermal Average Registers included in this block: Block Time Stamp, Phase A-N, B-N, C-N, Aux Voltage, Phase A, B, C Current, Measured Neutral Current, Calculated Neutral Current, Phase A-B, B-C, C-A Voltage, Phase A, B, C VA, VA, Phase A, B, C VAR, VAR, Phase A, B, C Watts, Watts, Freq, Phase A, B, C PF, PF, Voltage, Current Imbalance. (See 3.3, 3.7, 3.8, 3.10.)

## 7.7 Maximum Block (00296-00396)

Description: Maximum (Thermal Average) Registers included in this block: Block Time Stamp, Phase A-N, B-N, C-N, Aux Voltage, Phase A, B, C Current, Measured Neutral Current, Calculated Neutral Current, Phase A-B, B-C, C-A Voltage, Phase A, B, C VA, VA, Phase A, B, C Positive VAR, Positive VAR, Phase A, B, C Negative VAR, Negative VAR, Phase A, B, C Positive Watts, Positive Watts, Phase A, B, C Negative Watts, Negative Watts, Freq, Phase A, B, C PF Quadrants 1, 2, 3, 4, PF Quadrants 1, 2, 3, 4, Voltage Imbalance, Current Imbalance, THD Phase A-N /A-B, B-N /B-C, C-N/C-A Voltage, THD Phase A, B, C Current, K-Factor Phase A, B, C Current, Coincident Thermal Average VAR for Max Pos Watt, Max Neg Watt. (See 3.3, 3.7, 3.8, 3.10.)

## 7.8 Minimum Block (00397-00497)

Description: Minimum (Thermal Average) Registers included in this block: All of the Registers for Maximum Block but for Minimum Block. (See 3.3, 3.7, 3.8, 3.10.)

## 7.9 Maximum Time Stamp Block (00498-00737)

Description: Maximum (Thermal Average) Time Stamp Registers included in this block: Phase A-N, B-N, C-N, Aux Voltage, Phase A, B, C Current, Measured Neutral Current, Calculated Neutral Current, Phase A-B, B-C, C-A Voltage, Phase A, B, C VA, VA, Phase A, B, C Positive VAR, Positive VAR, Phase A, B, C Negative VAR, Negative VAR, Phase A, B, C Positive Watts, Positive Watts, Phase A, B, C Negative Watts, Negative Watts, Freq, Phase A, B, C PF Quadrants 1, 2, 3, 4, PF Quadrants 1, 2, 3, 4, Voltage Imbalance, Current Imbalance, THD Phase A-N/A-B, B-N/B-C, C-N/C-A Voltage, THD Phase A, B, C Current, K-Factor Phase A, B, C Current. (See 3.3.)

## 7.10 Minimum Time Stamp Block (00738-00977)

Description: Minimum (Thermal Average) Time Stamp Registers included in this block: All of the Registers for Maximum Time Stamp Block but for Minimum Block. (See 3.3.)

## 7.11 Energy Block (Secondary) (00978-01021)

Description: Energy Registers included in this block: Time Stamp, VAhour, Positive, Negative VARhour, Positive , Negative Watthour. (See 3.3, 3.11, 3.12.)

## 7.12 Harmonic Magnitude Block (01022-01789)

Description: Harmonic Magnitude Registers included in this block: Phase A-N/A-B, B-N/B-C, C-N/C-A Voltage for 0th through 127th Harmonic Magnitude, Phase A, B, C Current for 0th through127th Harmonic Magnitude. (See 3.10.)

## 7.13 Harmonic Phase Block (01790-02557)

Description: Harmonic Phase Registers included in this block: Phase A-N/A-B, B-N/B-C, C-N/C-A Voltage for 0th through 127th Harmonic Phase, Phase A, B, C Current for 0th through 127th Harmonic Phase. (See 3.9.)

## 7.14 THD/K-Factor Block (02558-02566)

Description: THD/K-Factor Registers included in this block: Phase A-N/A-B, B-N/B-C, C-N/C-A Voltage THD, Phase A, B, C Current THD, Phase A, B, C Current K-Factor. (See 3.10.)

## 7.15 Harmonic Time Stamp Block (02567-02590)

Description: Harmonic Time Stamp Registers included in this block: Phase A-N/A-B, B-N/B-C, C-N/C-A Voltage, Phase A, B, C Current. (See 3.4.)

## 7.16 Phase Angle Block (02591-02604)

Description: Phase Angle Registers included in this block: Time Stamp, Phase A-N, B-N, C-N Voltage, Phase A, B, C Current, Phase A-B, B-C, C-A Voltage, Volt Phase Seq. (See 3.3, 3.9, 3.13.)

## 7.17 Block Window Average Block (02605-02683)

Description: Block Window Average Registers included in this block: Time Stamp, Status, VA, VAR, Watt, Maximum VA, Positive VAR, Negative VAR, Positive Watt, Negative Watt, Minimum VA, Positive VAR, Negative VAR, Positive Watt, Negative Watt, Coincident VAR for Max Positive Watt, Neg Watt, Coincident VAR for Min Positive Watt, Neg Watt, VA Time Stamp, Time Stamp for Pos VAR, Neg VAR, Pos Watt, Neg Watt, Minimum VA Time Stamp, Time Stamp for Minimum Pos VAR, Neg VAR, Pos Watt, Neg Watt. (See 3.3, 3.7, 3.14.)

## 7.18 Rolling Window/Predictive Rolling Window Block (02684-02768)

Description: Rolling Window/Predictive Rolling Average Registers included in this block: Time Stamp, Status, Predictive VA, VAR, Watt, VA, VAR, Watt, Maximum VA, Positive VAR, Negative VAR, Positive Watt, Negative Watt, Min VA, Positive VAR, Negative VAR, Positive Watt, Negative Watt, Coincident VAR for Max Positive Watt, Neg Watt, Coincident VAR for Min Positive Watt, Neg Watt, VA Time Stamp, Time Stamp for Pos VAR, Neg VAR, Pos Watt, Neg Watt, Min VA Time Stamp, Time Stamp for Min Pos VAR, Neg VAR, Pos Watt, Neg Watt. (See 3.3, 3.7, 3.14.)

## 7.19 Limit Block (02769-02773)

Description: Limit Registers included in this block: Limit States, Value 1 Comparisons, 1-16, 17-32, Limits States, Value 2 Comparisons, 1-16, 17-32, Low Speed Inputs. (See 3.15, 3.16.)

## 7.20 Reserved for Future Use (02774-02841).

## 7.21 Internal Input Pulse Accumulation Block (05745-05796)

Description: Internal Input Pulse Accumulation Registers included in this block: Time Stamp, Scaled Pulse Accumulations Internal Inputs 1-8, Scaled Pulse Accumulations 1-4. (See 3.3, 3.40.)

## 7.22 Pulse Accumulation Block Window Average / Max Block (05797-05945)

Description: Pulse Accumulation Block Window Average / Maximum Registers included in this block: Time Stamp, Status, Average Internal Inputs 1-8, Average Aggregation 1-4, Maximum Average Internal Inputs 1-8, Maximum Average Aggregation 1-4, Maximum Internal Input Time Stamp 1-8, Maximum Average Aggregation Time Stamp 1-4. (See 3.3, 3.14, 3.40.)

## 7.23 Temperature (05946)

Description: EPM 9700 meter's Internal Temperature Register is in this block. (See 3.33.)

## 7.24 Analog Input Block (05947-05978)

Description: This block contains registers for the optional Analog Inputs.

## 7.25 Limit Combination Block (05979-05980)

Description: Limit Combination Registers included in this block: Limit States, Combinations 1-16,17-32. (See 3.15.)

## 7.26 Relay Logic Block (05981-06014)

Description: Relay Logic Registers included in this block: Time Stamp, States, Inputs 1-8, Relays 1-16, States, Gates A-G, Relays 1-16, Delay Timer, Relay 1/2 - 15/16 for Desired Relay States, Shadowed Relay States, Confirmed Relay States, Valid Flags for Confirmed Relay States, Locked Relays, Locked Relay States. (See 3.20).

## 7.27 Reset Time Block (06015-06038)

Description: Reset Time Registers included in this block: Time Stamp, Max Time Stamp, MinTime Stamp, Energy Time Stamp, Current Season / Month TOU Time Stamp. (See 3.3.)

## 7.28 Reserved for Future Use (06040-06076)

## 7.29 KYZ Output Accumulation Block (06097-06110)

Description: KYZ Output Accumulation Registers included in this block: KYZ Output Accumulation Block Time Stamp, KYZ Output Accumulation Relay 1/Pulse 1 LED, KYZ Output Accumulation Relay 2/Pulse 2 LED, KYZ Output Accumulation Relay 3, KYZ Output Accumulation Relay 4. (See 3.3, 3.18.)

## 7.30 Input Option Board Data Status Block (06111-06112)

Description: These registers contain statuses for the first and second optional Input boards.

## 7.31 Flicker Status Block (06114-06126)

Description: Flicker Status Registers included in this block: Flicker Status Block Time Stamp, Flicker Start Time, Flicker End Time, Flicker Status. (See 3.3, 3.14.)

## 7.32 Instantaneous Flicker Block (06127-06136)

Description: Instantaneous Flicker Registers included in this block: Instantaneous Flicker Block Time, Instantaneous Flicker VAN, VBN, VCN. (See 3.3, 3.7.)

## 7.33 Short Term Flicker Block (06137-06186)

Description: Short Term Flicker Registers included in this block: Short Term Flicker Block Time, Short Term Flicker VAN, VBN, VCN, Maximum Short Term Flicker VAN, VBN, VCN, Minimum Short Term Flicker VAN, VBN, VCN, Short Term Interval End Time Stamp, Max Short Term Flicker VAN, VBN, VCN Time Stamps, Min Short Term Flicker VAN, VBN, VCN Time Stamps. (See 3.3, 3.7.)

## 7.34 Long Term Flicker Block (06187-06236)

Description: Long Term Flicker Registers included in this block: Long Term Flicker Block Time, Long Term Flicker VAN, VBN, VCN, Maximum Long Term Flicker VAN, VBN, VCN, Minimum Long Term Flicker VAN, VBN, VCN, Long Term Interval End Time Stamp, Maximum Long Term Flicker VAN, VBN, VCN Time Stamps, Minimum Long Term Flicker VAN, VBN, VCN Time Stamps. (See 3.3, 3.7.)

## 7.35 Additional Energy Block (06237-06392)

Description: Additional Energy Registers included in this block: Additional Energy Block Time, Quadrants 1, 4, 2, 3 Watthour Secondary, Quadrant 1 Vahour, VARhour Secondary, Quadrant 4 Vahour, VARhour Secondary, Quadrant 2 Vahour, VARhour Secondary, Quadrant 3 Vahour, VARhour Secondary, Quadrants 1, 4, 2, 3 Watthour Primary, Total Vahour Primary (Quadrants 1+2+3+4), Positive VARhour (Quadrants 1+2) Primary, Negative VARhour (Quadrants 3+4) Primary, Negative VARhour Primary, Quadrant 1, 4, 2, 3 Watthour Secondary, Quadrant 1 Vahour, VARhour Secondary, Quadrant 4 Vahour, VARhour Secondary, Quadrant 2 Vahour, VARhour Secondary, Quadrant 3 Vahour, VARhour Secondary, Quadrants 1, 4, 2, 3 Watthour Primary, Total Vahour (Quadrants 1+2+3+4) Primary, Positive VARhour (Quadrants 1+2) Primary, Negative VARhour (Quadrants 3+4) Primary. (See 3.3, 3.11, 3.12.)

## 7.36 Energy and Pulses in the Interval Block (06393-006488)

Description: Energy and Pulses in the Interval Registers included in this block: Energy and Pulses in the Interval Block Time Stamp, Total Vahour (Quadrants 1+2+3+4) in the Interval Secondary, Positive VARhour (Quadrants 1+2) in the Interval Secondary, Negative VARhour (Quadrants 3+4) in the Interval Secondary, Positive Watthour (Quadrants 1+4) in the Interval Secondary, Negative Watthour (Quadrants 2+3) in the Interval Secondary, Positive Watthour (Quadrants 1+4) in the Interval Secondary, Negative Watthour (Quadrants 2+3) in the Interval Secondary, Positive Watthour (Quadrants 1+4) in the Interval Primary, Quadrant 1 Vahour, VARhour in the Interval Primary, Quadrant 4 Vahour, VARhour in the Interval Primary, Negative Watthour (Quadrants 2+3) in the Interval Primary, Quadrant 2 Vahour, VARhour in the Interval Primary, Quadrant 3 Vahour, VARhour in the Interval Primary, I2t Phase A, B, C in the Interval Primary, V2t Phases A, B, C in the Interval Primary, Pulse Accumulation Internal Inputs 1-8 in the Interval Scaled, Pulse Accumulation 1-4 in the Interval Scaled, Quadrants 1, 4, 2, 3 Watthour in the Interval Secondary, Quadrant 1

Vahour, VARhour in the Interval Secondary, Quadrant 4 Vahour, VARhour in the Interval Secondary, Quadrant 2 Vahour, VARhour in the Interval Secondary, Quadrant 3 Vahour, VARhour in the Interval Secondary, Quadrants 1, 4, 2, 3 Watthour in the Interval Primary, Total Vahour(Quadrants 1+2+3+4) in the Interval Primary, Positive VARhour (Quadrants 1+2) in the Interval Primary, Negative VARhour (Quadrants 3+4) in the Interval Primary, KYZ Pulse Output in the Interval Relays 1-4, Pulse 1 and 2 LEDs. (See 3.3, 3.18, 3.37.)

## 7.37 Flicker Countdown Block (06489-006490)

Description: Flicker Countdown Registers included in this block: Short Term Flicker Countdown, Long Term Flicker Countdown. (See 3.36.)

## 7.38 Cumulative Demand Block (06491-006502)

Description: Cumulative Demand Registers included in this block: Cumulative Demand Block Time Stamp, Positive Watt (Quadrants 1+4) Cumulative Demand, Negative Watt (Quadrants 2+3) Cumulative Demand, Positive Watt (Quadrants 1+4) Continuous Cumulative Demand, Negative Watt (Quadrants 2+3) Continuous Cumulative Demand. (See 3.3, 3.18.)

## 7.39 Uncompensated and Q Block (06665-06907)

Description: Uncompensated register readings are the readings to which Transformer Loss Compensation is not applied. Q Hour readigns are 60 degree-shifted hour readings from Watt hour readings. VAR hour readings are 90 degree-shifted hour readings from Watt hour readings.

## 7.40 Scaled Energy Block (06908-07829)

Description: Energy readings in EPM 9700 meters have Watt-hour, VAR-hour and VA-hour as base units. In the real world, kilo-, mega- and giga- units are used more frequently. Therefore, EPM 9700 meters have scaled energy readings. This scale can be modified using GE Communicator software.

| | |
|---|---|
| **Length** | 2 Registers (4 bytes) |
| **Range** | 99 / 0 through 999,999,999 / 0 (variable, 2-9 digits) |
| **Unit** | 10-7 through 106 units (variable) |

This register contains a 4-byte MSB signed integer. The range and resolution of a given reading is controlled by programmable Scaled Energy Settings, which govern both the Range of the reading (from 2 to 9 digits) and the Units of the reading (from 7 decimal places of Wh (10-7) to no decimal places of MWh (106). See section 3.59 and 3.60 for details.

## 7.41 Reserved for Future Use (07830-07859)

## 7.42 Negative Maximum Pulse Aggregation Average Block (07864-07895)

Description: Negative Maximum Average Aggregation 1-4 and Negative Maximum Average Aggregation Time Stamp 1-4 registers are included in this block. Maximum Average Aggregation 1-4 registers in Pulse Accumulation Block Window Average/ Maximum Block (05797-05945) will hold only positive values.

## 7.43 Reserved for Future Use (07896-07910)

## 7.44 New Demand Block (Either Block Window Average or Sliding Window Average (07928-08039)

Description: This block keeps Average Demand values including, watts, VAR, VA, $I^2T$, $V^2T$, Uncompensated Energy, internal inputs and aggregators, and power factor readings.

## 7.45 Scratchpad Block (08193 - 08320)

Description: Scratchpad Registers 08193 - 08320 included in this block. The 128 Registers in the Scratchpad Block are for temporary storage of information. At the user's discretion, data may be written to Registers and then read back.

**Example:** Using one port, write energy readings from other devices. Those energy readings can be read through another port.

## 7.46 Master Device Data Block (08449-08704)

Description: These registers are used as a Scratch Pad between the Software and the Network Card or Modem Card. These registers are not for polling by the users.

## 7.47 EN 50160/IEC 61000-4-30 Power Quality Test (08705-11054)

Description: These registers keep the EN 50160/IEC 61000-4-30 Power Quality Report data, including Symmetrical Components, Harmonics and total harmonic distortion (THD), short term and long term Flicker readings, total demand distortion (TDD), rapid voltage changes, supply voltage unbalance, Mains signaling values, dips and interruptions data, overvoltage, and supply voltage variation.

## 7.48 Frozen Energy Blocks (11265-11650)

Description: These registers keep the Frozen blocks readings, including the time stamp, Whr, VAhr, VARhr, I2T, V2T, Qhr, internal input pulse accumulations, KYZ output accumulation readings, scaled energy readings, and scaled internal input pulse accumulation readings.

## 7.49 Previous Block Window Average Block (11651-11742)

Description: These registers keep the readings for the previous Block Demand averaging, including VA, VAR, watts, and Q.

## 7.50 Previous Rolling Window Average Block (11743-11834)

Description: These registers contain the readings for the previous Rolling Demand averaging, including VA, VAR, watts, and Q.

## 7.51 Previous Scaled Energy Block (11835-11894)

Description: These registers contain the previous readings for the scaled Energy channels, including Whr, VAhr, VARhr, I2T, V2T, Qhr.

## 7.52 One Second Three Phase Mean RMS Block (11895-11900)

Description: these registers keep the One Second Three Phase Mean RMS readings, including Vpn, amp, and Vpp.

## 7.53 Block Window Max/Min and 10 Minute Mean THD Block (11901-12138)

Description: these registers keep the One Second Three Phase Mean RMS readings, including Vpn, amp, and Vpp, THD, and Max and Min interval readings.

## 7.54 Coincident Power Factor (12141-12156)

Description: these registers keep the coincident power factor readings.

## 7.55 Customized Modbus Block (12289-14336)

Description: All the readings in the Customizable Modbus Map Settings Block (50273) can be read in this block. The format of the readings follows each individually assigned reading.

## 7.56 EPM Master Polling Data Block (14337-14604)

Description: The database polling information is kept in these registers.

## 7.57 Additional and Vpe Block (14849-14942)

Description: This block contains registers that keep the high-speed readings, 1 second readings, Thermal average readings, and Vaux frequency.

## 7.58 Block Window, Max/Min Block, P-E

Description: These registers keep Max and Min interval data for Phase to Earth readings.

## 7.59 Enhanced Factory Settings Block (16385-24576)

Description: These registers are reserved for future additional factory settings information. Currently, nothing is defined in these registers.

## 7.60 Enhanced Programmable Settings Block (24577-32768)

Description: These registers keep information on the meter's Master RTU functionality, Digital Input option board rollover settings, Interval Log settings, Waveform capture rules, Waveform transient readings, Waveform transient settings, Log configuration settings, Network card settings, Email client settings, FTP client settings, GE EGD protocol settings, DNP LAN/WAN settings, SNTP settings, IEC 61000-4-30 settings (Hysteresis settings, Interruptions settings, nominal voltage, harmonic magnitude thresholds, mains signaling thresholds, overvoltage thresholds, supply voltage variation settings, and max/min interval settings. Some of these registers are reserved for future use.

## 7.61 TOU Status Section Block (34817-34826)

Description: These registers keep TOU profile status information, including number of updates and current status of TOU function.

## 7.62 TOU Profile Section Block (34833-36608)

• Description: These registers keep TOU profile settings, including TOU profile version, length, date/time modified, TOU Demand type and interval, and details of the profile settings.

## 7.63 Reserved for Future Use (36737-36800)

Reserved for future use.

## 7.64 Historical Log 1 Snapshot Header (36865-36883)

Description: Historical Log 1 Snapshot Registers included in this block:

**Memory Size**: 4-byte unsigned integers representing the amount of memory, in bytes, allocated to the log.

**Record Size**: 2-byte integers representing the size, in bytes, of a record in the log.

**First Index**: 2-byte unsigned integers representing the index of the first (oldest) record in the log.

**Last Index**: 2-byte unsigned integers representing the index of the last (newest) record in the log. The value 0x0FFFF indicates that the log is empty.

**First Time Stamp**: these registers (8 bytes) hold the time stamp from the first (oldest) record in the log.

| Time Stamp Bytes | | |
|---|---|---|
| **Byte** | **Range** | **Description** |
| 0 | 0-255 | Century |
| 1 | 0-99 | Year |
| 2 | 1-12 | Month |
| 3 | 1-31 | Day |
| 4 | 0-23 | Hour |
| 5 | 0-59 | Minute |
| 6 | 0-59 | Second |
| 7 | 0-99 | Centisecond |

**Last Time Stamp**: these registers hold the Time Stamp from the last (newest) record in the log. The byte order and description are the same as for the First Time Stamp.

**Valid Bitmap**: these registers hold the bit flags indicating whether the meter recognizes the lines in the Historical Log Settings Block (the block at Register 45205). The first bit represents the validity of the Data Pointer in the Historical Log Settings.

> A value of 1 means the Data Pointer is acceptable and can be stored. A value of 0 means that the Data Pointer is invalid or unrecognized and not able to be stored.

**Max Records**: 2-byte unsigned integer representing the total number of records the log is capable of holding. In order to maintain a one-for-one relationship in parallel logs, the maximum number of records that a log can store is defined by the log that holds the fewest records. Logs capable of holding more records are restricted.

**Reset Status**

## 7.65 Historical Log 2 Snapshot Header (36929-36947)

Description: Historical Log 2 Snapshot Registers included in this block: he same as Log 1 above.

## 7.66 System Event Log Header (37505-37526)

**Memory Size:** 4-byte unsigned integers representing the amount of memory, in bytes, allocated to the log.

**Record Size:** 2-byte unsigned integers representing the size, in bytes, of a record in the log.

**First Index:** 2-byte unsigned integers representing the Index of the First (Oldest) record in the log.

**Last Index:** 2-byte unsigned integers representing the Index of the Last (Newest) record in the log. The value 0x0FFFF indicates that the log is empty.

**First Time Stamp:** These registers (8 bytes) hold the Time Stamp from the First (Oldest) record in the log.

| Time Stamp Bytes | | |
|---|---|---|
| Byte | Range | Description |
| 0 | 0-255 | Century |
| 1 | 0-99 | Year |
| 2 | 1-12 | Month |
| 3 | 1-31 | Day |
| 4 | 0-23 | Hour |
| 5 | 0-59 | Minute |
| 6 | 0-59 | Second |
| 7 | 0-99 | Centisecond |

**Last Time Stamp:** These registers hold the Time Stamp from the Last (Newest) Record in the log. The byte order and description are the same as for the First Time Stamp.

**Valid Bitmap:** Undefined.

**Max Records:** A 2-byte unsigned integer represents the total number of records the log is capable of holding. In order to maintain a one-for-one relationship in parallel logs, the maximum number of records that a log can hold is defined by the log that holds the fewest records. Logs capable of hold- ing more records are restricted.

**Records in Log**

**Reset Status**

## 7.67 External Device Information Block Header (37761-37778)

Description: External Device Information Registers included in this block:

**Memory Size:** A 4-byte unsigned integer representing the amount of memory, in bytes, allocated to External Device Information Blocks. This memory is allocated from RAM, not NVRAM.

**Record Size:** An unsigned integer representing the size, in bytes, of an External Device Info Block.

**First Index:** An unsigned integer representing the Index of the First External Device Info Block.

**Last Index:** An unsigned integer representing the Index of the Last External Device Info Block.

**First Time Stamp:** Since External Device Info Blocks are not recorded sequentially, these Registers have no meaning.

**Last Time Stamp:** Since External Device Info Blocks are not recorded sequentially, these Registers have no meaning.

**Valid Bitmap:** These Registers hold the bit flags to indicate the validity of individual External Device Info Blocks. The first bit (high order bit in Register 37774) represents the validity of the First External Device Info Block. The last bit (lowest order bit in Register 37777) represents the validity of the Last External Device Info Block.

A value of 1 means that the External Device was found and the meter successfully received all of the Info Block for the External Device. A value of 0 means that the External Device was not found, or errors have occurred while trying to retrieve the Info Block or that no device is programmed for this slot.

**Max Records:** This Register holds an unsigned integer representing the total number of records the log can hold.

## 7.68 External Device Programming Block Header (37825-37842)

Description: External Device Programming Registers included in this block:

**Memory Size:** These Registers are a 4-byte unsigned integer representing the amount of memory, in bytes, allocated to External Device Programming Blocks. This memory is allocated from RAM, not NVRAM.

**Record Size:** This Register is an unsigned integer representing the size, in bytes, of an External Device Programming Block.

**First Index:** An unsigned integer representing the Index of the First External Device Programming Block.

**Last Index:** An unsigned integer representing the Index of the Last External Device Programming Block.

**First Time Stamp:** Since External Device Programming Blocks are not recorded sequentially, these Registers have no meaning.

**Last Time Stamp:** Since External Device Programming Blocks are not recorded sequentially, these Registers have no meaning.

**Valid Bitmap:** These Registers hold the bit flags to indicate the validity of individual External Device Programming Blocks. The first bit (high order bit in Register 37838) represents the validity of the First External Device Programming Block. The last bit (lowest order bit in Register 37841) represents the validity of the Last External Device Programming Block.

A value of 1 means that the External Device was found and the meter successfully received all of the Programming Block for the External Device. A value of 0 means that the External Device was not found, or errors have occurred while trying to retrieve the Programming Block or that no device is programmed for this slot.

**Max Records:** This Register holds an unsigned integer representing the total number of records the log is capable of holding.

## 7.69 Device History Block Header (37889-37906)

Description: Device History Block currently not used. This Register holds an unsigned integer representing the total number of records the log is capable of holding.

## 7.70 Direct Memory Access Header (37953-37970)

Description: Direct Memory Access currently not used.

## 7.71 Window Index Block (38145-38162)

Description: Window Index Registers included in this block:

**Historical Log 1 (38145):** When read, this Register returns the Window Index for Historical Log 1 to access Historical Log 1 on this port. When written, this Register sets the Index used by the Historical Log 1 Window to access Historical Log 1 on this port. Each port accesses a separate, independent index through this Register, allowing all four ports to access different areas of Historical Log 1 at the same time.

When a value other than 0x0FFFF is written to this Register, the index is updated.

If the Window Mode for this log indicates a Paused Mode (0x00000 or 0x00001 in Register 38209), Historical Log 1 is paused, preventing the addition of new records while the log is being accessed. A 30-sec- ond timer is initiated on these writes. Should the timer run out (a new index is not written within 30 seconds), Historical Log 1 will be allowed to continue logging.

When a value of 0x0FFFF is written to this Register, it signifies that the port is finished accessing Historical Log 1, the 30-second timer is canceled and Historical Log 1 will be allowed to continue logging.

Should multiple ports access the same log simultaneously, the log will be paused while either 30-second timer is running. The log will be allowed to continue logging only when both ports time-out or write 0x0FFFF to their Index Register.

**Historical Log 2 (38146):** When read, this Register returns the Window Index for Historical Log 2 to access Historical Log 2 on this port. Functionality follows the Historical Log 1 Window Index (38145).

**System Log (38155)**: When read, this register returns the window index for the System log, to access the System log on this port. Functionality follows the Historical log1 window index (38145).

**Device History Block (38160) - Currently not used.**

**Direct Memory Access (38161) - Currently not used.**

## 7.72 Window Mode Block (38209-38226)

Description: Window Mode Registers included in this block:

**Historical Log 1 (38209):** When read, this Register returns the Mode used by the Historical Log 1 Window to access Historical Log 1 on this port. When written, this Register sets the Mode used by the Historical Log 1 Window to access Historical Log 1 on this port. Each port accesses a separate, independent Mode through this Register, allowing all four ports to access Historical Log 1 in different modes.

Currently, the Mode Register defines the following Modes: Paused Download Mode (0x00000), Paused Time Stamp Mode (0x00001), Running Download Mode (0x00002) and Running Time Stamp Mode (0x00003).

**In Download Modes (0x00000 and 0x00002)**, the Historical Log 1 Window accesses consecutive 128-byte blocks of the Historical Log 1. When the Index = 0x00000, the first 128 bytes of the log are readable in the window; when the Index = 0x00001, the second 128 bytes of the log are readable in the window, and so on.

The designation “first 128 bytes of the log” is a physical description based on the absolute address- es of the memory allocated to the log. The first (oldest) record in the log may not be located at the beginning of the log.

**In Time Stamp Modes (0x00001 and 0x00003)**, the Historical Log 1 Window accesses the Time Stamps of the records in the Historical Log 1 in blocks of 16 Time Stamps at a time. When the Index = 0x00000, the Time Stamps of the first 16 records (records 0-15) in the log are readable in the window; when the Index = 0x00001, the Time Stamps of the second 16 records (records 16-31) in the log are readable in the window, and so on. The designation “first 16 records of the log” is a physical description based on the absolute addresses of the memory allocated to the log. The first (oldest) record in the log may not be locat- ed at the beginning of the log.

**In Paused Modes (0x00000 and 0x00001)**, the log being accessed is paused and new records are not added to the log while it is paused.

**In Running Modes (0x00002 and 0x00003)**, the log being accessed is not paused and new records may be added to the log. When downloading in these modes, it is possible the records may be overwritten before or during the downloading of records.

**Historical Log 2 (38210):** When read, this Register returns the Mode in use by the Historical Log 2 Window to access Historical Log 2 on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Limit Trigger Log (38211):** When read, this Register returns the Mode in use by the Limit Trigger Log Window to access Limit Trigger Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Limit Snapshot Log (38212):** When read, this Register returns the Mode in use by the Limit Snapshot Log Window to access Limit Snapshot Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Digital Input Log (38213):** When read, this Register returns the Mode in use by the Digital Input Log Window to access Digital Input Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Digital Input Snapshot Log (38214):** When read, this Register returns the Mode in use by the Digital Input Snapshot Log Window to access Digital Input Snapshot Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Digital Output Log (38215):** When read, this Register returns the Mode in use by the Digital Output Log Window to access Digital Output Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Digital Output Snapshot Log (38216):** When read, this Register returns the Mode used by the Digital Output Snapshot Log Window to access Digital Output Snapshot Log on this port. Functionality follows Historical Log 1 Window Mode (38209).

**Flicker Log (38217):** When read, this Register returns the Mode in use by the Flicker Log Window to access Flicker Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Waveform Trigger Log (38218):** When read, this Register returns the Mode in use by the Waveform Trigger Log Window to access Waveform Trigger Log on this port. Functionality follows Historical Log 1 Window Mode (38209).

**Register 38219** is currently not used.

**Waveform Samples Log (38220):** When read, this Register returns the Mode in use by the Waveform Samples Log Window to access Waveform Samples Log on this port. Functionality follows Historical Log 1 Window Mode (38209).

**PQ Log (38221):** When read, this Register returns the Mode in use by the PQ Log Window to access PQ Log on this port. Functionality follows the Historical Log 1 Window Mode (38209).

**Register 38209** is currently not used.

**External Device Info Block (38223)** - Currently not used.

**External Device Programming Block (38224)** - Currently not used.

**Device History Block (38225)** - Currently not used.

**Direct Memory Access (38226)** - Currently not used.

## 7.73 Window Block (38273-39424)

Description: Window Registers included in this block:

**Historical Log 1 (38273-38336):** These Registers are a 128-byte window into the Historical Log 1. The particular 128-bytes that are accessed are dependent on the Historical Log 1 window index.

**Historical Log 2 (38337-38400):** These Registers are a 128-byte window into the Historical Log 2. The particular 128-bytes that are accessed are dependent on the Historical Log 2 window index.

**Limit Trigger Log (38401-38464):** These Registers are a 128-byte window into the Limit Trigger Log. The particular 128-bytes that are accessed are dependent on the Limit Trigger Log window index.

**Limit Snapshot Log (38465-38528):** These Registers are a 128-byte window into the Limit Snapshot Log. The particular 128-bytes that are accessed are dependent on the Limit Snapshot Log window index.

**Digital Input Log (38529-38592):** These Registers are a 128-byte window into the Digital Input Log. The particular 128-bytes that are accessed are dependent on the Digital Input Log window index.

**Digital Input Snapshot Log (38593-38656):** These Registers are a 128-byte window into the Digital Input Snapshot Log. The particular 128-bytes that are accessed are dependent on the Digital Input Snapshot Log window index.

**Digital Output Log (38657-38720):** These Registers are a 128-byte window into the Digital Output Log. The particular 128-bytes that are accessed are dependent on the Digital Output Log window index.

**Digital Output Snapshot Log (38721-38784):** These Registers are a 128-byte window into the Digital Output Snapshot Log. The particular 128-bytes that are accessed are dependent on the Digital Output Snapshot Log window index.

**Flicker Log (38785-38848):** These Registers are a 128-byte window into the Flicker Log. The particular 128-bytes that are accessed are dependent on the Flicker Log window index.

**Waveform Trigger Log (38849-38912):** These Registers are a 128-byte window into the Waveform Trigger Log. The particular 128-bytes that are accessed are dependent on the Waveform Trigger Log window index.

**System Event Log Window (38913-38976):** These registers are a 128-byte window into the System Events Log. The particular 128-bytes that are accessed are dependent on the System Events Log window index.

**Waveform Samples Log (38977-39040):** These Registers are a 128-byte window into the Waveform Samples Log. The particular 128-bytes that are accessed are dependent on the Waveform Samples Log window index.

**PQ Log (39041-39104):** These Registers are a 128-byte window into the PQ Log. The particular 128-bytes that are accessed are dependent on the PQ Log window index.

**External Device Info Block Window (39169-39232):** These Registers are a 128-byte window into the External Device Info Blocks. The particular 128-bytes that are accessed are dependent on the External Device Info Blocks window index. (See Chapter 5 *"Logs, Port Control and Updating Programmable Settings"*.)

**External Device Info Block Window (39233-39296):** These Registers are a 128-byte window into the External Device Programming Blocks. The particular 128-bytes that are accessed are dependent on the External Device Programming Blocks window index. (See Chapter 5 *"Logs, Port Control and Updating Programmable Settings"*.)

**Device History Block (39297-39360) - Currently not used.**

**Direct Memory Access (39361-39424) - Currently not used.**

## 7.74 Auto Increment Window Block (39423-39488)

**Auto Increment Configuration - 1 Register, 2 bytes.**

When read, this register returns the configuration in use by the Auto Increment Log Window, below, to access logs on this port. When written, this register sets the configuration used by the Auto Increment Log Window, below, to access logs on this port. Each port accesses a separate, independent configuration through this register allowing all four ports to access logs with different configurations.

The least significant byte indicates which log is being accessed. The appropriate values are:

| | |
|---|---|
| 0x000 | Historical Log 1 |
| 0x001 | Historical Log 2 |
| 0x002 | Sequence of Events State Log |
| 0x003 | Sequence of Events Snapshot Log |
| 0x004 | Digital Input State Log |
| 0x005 | Digital Input Snapshot Log |
| 0x006 | Digital Output State Log |
| 0x007 | Digital Output Snapshot Log |
| 0x008 | Flicker Log |
| 0x009 | Waveform Trigger Log |
| 0x00A | System Event Log |
| 0x00B | Waveform Sample Log |
| 0x00C | PQ Log |
| 0x00D-0x0FF | Undefined |

The most significant byte defines the following modes: Paused Download Mode (0x000) and Running Download Modde (0x001).

**In Paused Download mode (0x000)**, the log being accessed is paused - new records are not added to the log while it is paused.

**In Running Download mode (0x001)**, the log being accessed is not paused - new records may be added to the log. When downloading in this mode, it is possible that records may be overwritten before, or even during, access to that record.

**Auto Increment Window Index** - 1 register, 2 bytes.

When read, this register returns the index used by the Auto Increment Log Window, below, to access logs on this port. When written, this register sets the index used by the Auto Increment Log Window, below, to access logs on this port. Each port accesses a separate, independent index through this register, allowing all four ports to access different areas of logs at the same time.

When read, the index is incremented before being returned in the Modbus response. If the Auto Increment Mode is Paused Download mode (0x001xx in register 39423, 0x099FE), the appropriate log is paused, preventing the addition of new records while the log is being accessed. A 30-second timer is initiated on these reads. Should the timer run out (the index is not incremented/read in 30 seconds), the appropriate log will be allowed to continue logging.

When a value of 0x0FFFF is written to this register, this signifies that the port is finished accessing the appropriate log, and the 30-second timer is canceled and the appropriate log will be allowed to continue logging.

Should multiple ports access the same log simultaneously, the log will be paused while either 30- second timer is running; the log will be allowed to continue logging only when both ports time-out or write 0x0FFFF to their index register.

**Auto Increment Log Window** - 64 registers, 128 bytes.

These registers are a 128-byte window into a log, as specified in the Auto Increment Configuration (register 39423, 0x099FE). Depending on the Auto Increment Window Index, a different 128-byte area of a log can be accessed. See section 5.1.2 *Log Download Using Auto-Increment Index Method* on page 5–9 for the usage of these registers.

## 7.75 Alarm Block (40961-41105)

Description: Window Registers included in this block:

**Last Alarm (40961-40976):** These Registers keep the latest Limit Trigger Log, which records information about the limits. The log records which limits are currently exceeded and which limits have just changed. The 16 Registers contain 32 bytes. The record format is the same as the Limit Trigger Log Format.

The first eight bytes are the Time Stamp. The format of the Time Stamp is:

| Byte | Format | Range | Description |
|---|---|---|---|
| 0 | Binary | 0-99 | Century |
| 1 | Binary | 0-99 | Year |
| 2 | Binary | 1-12 | Month |
| 3 | Binary | 1-31 | Day |
| 4 | Binary | 0-23 | Hour |
| 5 | Binary | 0-59 | Minute |
| 6 | Binary | 0-59 | Second |
| 7 | Binary | 0-99+MSB | Centisecond |

An additional piece of information is contained in the centisecond byte. The most significant bit indicates whether Limit Trigger monitoring was continuous between the last record and this record. If the bit is 1, then this is the first record recorded after a power-down, reset or download and all unfinished durations prior to this record are lost. If the bit is 0, then recording was continuous between the last record and this one.

The next four bytes are a bitmap for the Current State of the Value 1 Comparisons of the Limits.

The first bit (the most significant bit of the first byte) is the Current State of the 1st Limit's Value 1 Comparison. The last bit (the least significant bit of the fourth byte) is the Current State of the 32nd Limit's Value 1 Comparison.

A bit value of 1 means that the Comparison is exceeded (less than or equal to Value 1 for a below limit; greater than Value 1 for an above limit), a bit value of 0 means the Comparison is not exceeded (greater than Value 1 for a below limit; less than or equal to Value 1 for an above limit).

The next four bytes are the same bitmap as above, but for the Current State of the Value 2 Comparisons of the Limits.

The next four bytes are a bitmap for the Delta of the Value 1 Comparisons of the Limits. The order of the bits is the same as above. A bit value of 1 means that the State of the Value 1 Comparison changed since the last alarm occurred; a bit value of 0 means that the State of the Value 1 Comparison did not change since the last alarm.

The next four bytes are the same bitmap as above, but for the Delta of the Value 2 Comparisons of the Limits.

The next four bytes are a bitmap for the Current State of the Combinations of the Limits.

The first bit (the most significant bit of the first byte) is the Current State of the 1st Limit's Combination of the Value 1 Comparison and the Value 2 Comparison. The last bit (the least significant bit of the fourth byte) is the Current State of the 32nd Limit's Combination of the Value 1 Comparison and the Value 2 Comparison.

A bit value of 1 means that the Combination is true; a bit value of 0 means that the Combination is false.

The last four bytes are the same bitmap as above, but for the Delta of the Combination of the Limits.

**Last Alarm Snapshot (40977-41104)**

The Registers store the latest Limit Snapshot Log.

**Record Format:** A Record contains 32, 64, 128 or 256 bytes, depending on how many channels have limits assigned to them. The first eight bytes in each Record are the Time Stamp. The format of the Time Stamp is shown below.

The remaining bytes are the values monitored by Limits (45077-45204). If the first Data Pointer is requesting VBN, a 4-byte value, then the next 4 bytes in the Record is VBN. This continues, Data Pointer for Data Pointer, until all Data Pointers have been satisfied, or the number of bytes is equal to the Historical Log 1 Record Size.

**Limit Data Pointers (45077-45204):** These Registers indicate which values are being monitored by Limits. Each Data Pointer has the following 8-byte structure:

| Size | Format | Description |
|---|---|---|
| 2-byte | Unsigned Integer | Line Number |
| 1-byte | Unsigned Char | Point Number |
| 1-byte | Unsigned Char | Limit Mode |
| 2-byte | Unsigned Integer | Comparison 1 Value |
| 2-byte | Unsigned Integer | Comparison 2 Value |

**A Line Number** is an index into the Communication Table. Example: Line Number 11 is for the 12th Line in the Communication Table, 0.1 Second Phase-to-Neutral Voltages. Data Pointers with Line Numbers greater than the number of lines in the table are ignored.

**A Point Number** is an index into a Line in the Communication Table. Example: Point Number 1 is for the second entry in a Line. Line Number 11, Point Number 1 is the 2nd in the 12th line, 0.1 Second VBN. Data Pointers with Point Numbers greater than the number of points for the line are ignored.

**Latched Exception Flag (41105):** This Register tells you how many Limit Triggers have occurred since the last time the Registers were checked. This Register is Read Only.

Example: Two Limit Exceptions occurred. Read the Register from Port 1; you will notice 2 Limit Exceptions returned. Later, two more Limit Exceptions occurred. Read the Register again. From Port 1, you will notice 2 Limit Exceptions returned. From Port 2, you will notice 4 Limit Exceptions returned. Limit Exceptions are incremented so that you have a history of Limit Exceptions in the Ports.

## 7.76 TOU Action Log Header (41217-41240)

Description: TOU Action Log Header Registers included in this block: see registers 36865-36883.

## 7.77 TOU Month/Season Log Header (41281-41304)

Description: TOU Month/Season Log Header Registers included in this block: see registers 36865-36883.

## 7.78 Port Control Block (41729-42496)

Description: Port Control Registers included in this block (see Chapter 5 *"Logs, Port Control and Updating Programmable Settings"*):

**Port Control Command (41729):** When written, this Register receives commands meant to control the ports. Valid commands are:

0x00100 = Lock Port 4 (I/O) for my use

0x00101 = Lock Port 3 for my use

0x00102 = Lock Port 2 for my use

0x00103 = Lock Port 1 (232/485) for my use

0x00104 = Lock the Diagnostic Port for my use (currently not use)

0x00200 = Unlock Port 4

0x00201 = Unlock Port 3

0x00202 = Unlock Port 2

0x00203 = Unlock Port 1

0x00204 = Unlock the Diagnostic Port (currently not used)

- You cannot lock your own port.
- You cannot lock a port that is already locked.
- A port can only be unlocked by the port that locked it originally.

**Lock States (41730-41732):** These Registers contain 6 bytes. The first five bytes contain codes indicating whether a port is locked by another port or not.

| Port Control Lock States | | |
|---|---|---|
| **Register** | **High Byte** | **Low Byte** |
| 41731 | Port 4 (I/O) | Port 3 |
| 41732 | Port 2 | Port 1 (232/485) |
| 41733 | Diagnostic Port | Unused |

Initially, these bytes read as 0x0FF. When a port requests that another port be locked to its use (0x00100 - 0x00104 to Register 41731), these bytes will read with one of the following codes, indicating which port is the locked owner of which port:

0x000 = Locked by Port 4 (I/O)

0x001 = Locked by Port 3

0x002 = Locked by Port 2

0x003 = Locked by Port 1 (232/485)

0x004 = Locked by the Diagnostic Port (currently not used)

0x0FF = Unlocked

**Pointers (41733-41752):** These Registers, when read, return the values of the pointers controlling the Communication Buffers in the EPM 9700 device. They are unsigned integers and represent the indexes of the series of bytes that are the Receive and Transmit Circular Buffers. Since the buffers are 512 bytes long, valid values should range from 0x00000 to 0x001FF.

The order of the Registers is:

| Port Control Pointers | | | | |
|---|---|---|---|---|
| **Port** | **ReceiveIn** | **ReceiveOut** | **TransmitIn** | **TransmitOut** |
| Port 4 (I/O) | 41733 | 41734 | 41735 | 41736 |
| Port 3 | 41737 | 41738 | 41739 | 41740 |

| | | | | |
|---|---|---|---|---|
| Port 2 | 41741 | 41742 | 41743 | 41744 |
| Port 1 (232/485) | 41745 | 41746 | 41747 | 41748 |
| Diagnostic Port | 41749 | 41750 | 41751 | 41752 |

ReceiveIn indexes the location where the next received character will be placed in the Receive Buffer by the interrupt routine.

ReceiveOut indexes the location where the next character should be removed from the Receive Buffer by the parsing routine.

TransmitIn indexes the location where the next character to be transmitted should be placed by the communication generation routine.

TransmitOut indexes the location of the next character to be transmitted by the interrupt routine.

The Receive Buffer is empty if RecIn = (RecOut+1) Mod 512. The Receive Buffer is full if RecIn = RecOut.

The Transmit Buffer is empty if TrmIn = TrmOut. The Transmit Buffer is full if TrmOut = TrmIn+1) Mod 512.

- When a port is locked, its pointers may be modified by the locking port.
- When a TransmitIn Register is written, that causes the interrupt routines to transmit characters in the Transmit Buffer from TransmitIn to TransmitOut.

**Receive and Transmit Buffers (41985-44544):** These Registers, when read, return the contents of the appropriate Receive and Transmit Buffers. Each buffer is 256 Registers (512 bytes) long. The order of the buffers is:

| **Receive and Transmit Buffers** | | |
|---|---|---|
| **Port** | **Receive** | **Transmit** |
| Port 4 (I/O) | 41985-42240 | 43265-43520 |
| Port 3 | 42241-42496 | 43521-43776 |
| Port 2 | 42497-42752 | 43777-44032 |
| Port 1 (232/485) | 42753-43008 | 44033-44288 |
| Diagnostic Port | 43009-43264 | 44289-44544 |

## 7.79 Reserved for Future Use (44545-44578)

## 7.80 Programmable Settings Block 1 (45057-57344)

See Chapter 6 *"Programmable Settings Blocks"* for details.

## 7.81 Action Block - Resetting Meter Registers (57345-57517)

Most of the Registers in the Action Block are used to perform an action or reset a meter Register. Unless otherwise stated, the action is performed when a value, any value, is written to that Register.

**Example:** In order to Reset Maximum Value in Meter Address 1, any value, such as '1' (0x00001) should be written to Register 57346 (0x0E001). The appropriate Modbus RTU command for this example would be: 01 06 E001 0001 2E0A (See Chapter 1 *"Modbus Protocol Overview"* for Modbus protocol overview.)

Description: Action Registers included in this block:

**Log Reset (57345):** This Register, when written with any value, causes all logs to be cleared. This action should be performed only under the following two circumstances:

1. When the Programmable Settings are modified, such that data already in the logs is invalidated.

   For Example, any modifications involving the record size or organization of the contents of a snapshot would require the logs to be cleared of any previous data.

2. When the Run-Time Code is upgraded, resulting in one of the following: Redefinition of the layout or meaning of the Programmable Settings. Altered behavior or capabilities of the logs.

Log Reset should be performed automatically by the software in either case and should not be an action directly available to the user. (See Chapter 5 *"Logs, Port Control and Updating Programmable Settings"*.)

**Maximum Reset (57346):** This Register, when written with any value, causes all Maximum Values to be cleared.

**Minimum Reset (57347):** This Register, when written with any value, causes all Minimum Values to be cleared.

**Energy Reset (57348):** This Register, when written with any value, causes all Energy Values to be cleared.

**Registers 57380-57382:** These Registers are no longer used. Internal KYZ Enable, Internal KYZ Minimum Pulse Width, Internal KYZ Pulses/Whr sec are obsolete.

**Reset Time of Use Current Season and Current Month (57386):** When written, Time of Use Current Season and Current Month will reset.

**Manual Waveform Capture (57387):** When written, the unit captures a waveform.

**Reset Internal Input Accumulations and Aggregations (57388)**: When written, Internal Input Accumulations and Aggregations will reset.

**Override Data not yet Valid Block (57389):** This Register is for diagnostics of communication between two microprocessors in the meter.

**Refresh External I/O Header Information (57390):** This Register, when written, causes all External Devices to be polled for their Information Blocks.

**Refresh External I/O Programming Information (57391):** This Register, when written, causes all External Devices to be polled for their Programming Blocks.

**Relay Locking Relay Selection (57392):** This Register and Register 57393 will manually change the External Digital Output Modules' Relays. Using Register 57392, the user can select relays to be locked by Register 57393.

- A bit value of 1 means that the relay will be affected by the value on the Action Selection Register (57393).
- A bit value of 0 means that the relay will not be affected by the value on the Action Selection Register (57393).

| Relay Locking Relay Selection Register (57392) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Byte** | **High Byte** | | | | | | | | **Low Byte** | | | | | | | |
| **Module** | **Module 1** | | | | **Module 2** | | | | **Module 3** | | | | **Module 4** | | | |
| **Relay** | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| **Bit** | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |

**Relay Locking Action Selection (57393):** This Register will lock or unlock the relays of the External Digital Output Modules in Relay Selection Register 57392. Relays in the Selection Register (57392) with a bit value of 1 can be locked or unlocked by this Register. The Register is a 2-byte unsigned integer.

| Relay Locking Action Selection Values | |
|---|---|
| **Value** | **Description** |
| 0 | Lock common to N.C. (Normally Closed) |
| 1 | Lock common to N.O. (Normally Open) |
| 2 | Unlock |
| 3-65535 | Not used |

## 7.82 Device Identification Block 2 (65088-65280)

Description: Device Identification Registers included in this block:

**Firmware Variation Strings (65089-65280)**

Eight Registers each and Null Terminated ASCII Strings (Terminating Null (ASCII 00H) at the end of the string). (See Chapter 3 *"Introduction"*.)

| Operational Communications Settings | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Value** | **Protocol Baud** | **Rate** | **Parity** | **Stop** | **Bits** | **Data** | **Bits** | **Response Delay (ms)** |
| 0 | Modbus ASCII | 4800 | None | | | | 5 | 0.00 |
| 1 | Modbus RTU | 9600 | Even | | | | 6 | 0.25 |
| 2 | DNP 3.0 | 19200 | Odd | | | | 7 | 0.50 |
| 3 | | 38400 | Mark | | | | 8 | 0.75 |
| 4 | | 57600 | Space | | | | | 1.00 |
| 5 | | 115200 | | | | | | 1.25 |
| 6 | | | | | | | | 1.50 |

| Operational Communications Settings | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Value | Protocol Baud | Rate | Parity | Stop | Bits | Data | Bits | Response Delay (ms) |
| 7 | | | | 1 stop | | | | 1.75 |
| 8 | | | | 1.5 stop | | | | 2.00 |
| 9-14 | | | | | | | | 2.25-3.50 |
| 15 | | | | 2 stop | | | | 3.75 |
| 16-255 | | | | | | | | 4.00-63.75 |

## 7.83 Password Block (65316-65344)

Description: This Register contains and enumeration that tells the device what action to take. The enumeration is as follows:

0x00000 Set Level 1 Password

0x00001 Set Level 2 Password

0x00002 Enable Password Protection

0x00003 Disable Password Protection

0x00004 Enable Sealing Switch Protection

0x00005 Disable Sealing Switch Protection

0x00006 - Set Network User 1 User Name and Password

0x00007 - Set Network User 2 User Name and Password

0x00008 - Set Network User 3 User Name and Password

0x00009 - Set Network User 4 User Name and Password

0x0000A - Set Network User 5 User Name and Password

0x0000B - Set Network User 6 User Name and Password

0x0000C - Set Network User 7 User Name and Password

0x0000D - Set Network User 8 User Name and Password

0x0000E - Set Network User 1 Privileges

0x0000F - Set Network User 2 Privileges

0x00010 - Set Network User 3 Privileges

0x00011 - Set Network User 4 Privileges

0x00012 - Set Network User 5 Privileges

0x00013 - Set Network User 6 Privileges

0x00014 - Set Network User 7 Privileges

0x00015 - Set Network User 8 Privileges

0x00016 - Read Network User 1 user Name and Privileges

0x00017 - Read Network User 2 user Name and Privileges

0x00018 - Read Network User 3 user Name and Privileges

0x00019 - Read Network User 4 user Name and Privileges

All successful commands set access back to Level 0, revoking the 2-minute timer of any active password.

**New Password A (65332-65336)**

**New Password B (65340-65344)**

**For setting Level 1 & Level 2 passwords:**

These registers are written to in order to set the Level 1 or Level 2 Password. The same password should be written to both sets of registers; a new password will be accepted only if the values written to both sets of registers agree.

After filling in both sets of registers, the Password Command register should be written with the command indicating which password is being updated.

Passwords must be 10 bytes long - consistent padding with extra characters must be performed. If a password is shorter than 10 bytes should be padded with SPACE (0x020) characters at the end.

Acceptable Passwords should consist of the ASCII characters ' ' (0x020), '0'-'9' (0x030-0x039), 'A'-'Z' (0x041-0x05A). Attempts to set a password with illegal characters will fail.

**For setting network user name, password and privileges:**

**For setting network user name and password,** software should send user name to New Password A field, and password to New Password B field. Software should always set none-zero length to user name and password fields. If username or password is shorter than 10 bytes, then software should padded it with NULL (0x0) characters at the end.

**For setting network user privileges**, software should send it to New Password A field, with undefined bit fields set to 0s.

**For reading network user name and privileges**, the user must gain Level 2 password access to the meter and then issue the read network username & privileges command. Tthe meter will place the user name in New Password A field and user privileges in New Password B field for software to read. The user cannot read the network password. The byte values in New Password A and New Password B fields are encoded. If the user does not have sufficient access rights or if the password command sequence entered is not correct, the user will read 0's for New Password A and New Password B fields.

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 8: Alternative Method for Downloading Logs

## 8.1 Overview

The preferred and recommended method for downloading logs from the EPM 9700 meter is using web API. For backward compatibility, the System Events Log and historical logs 1 and 2 can be downloaded using the serial method (see Chapter 5 *"Logs, Port Control and Updating Programmable Settings"*). This chapter contains information on these logs.

## 8.2 Historical Log 1 Format

Profile Information is in the Programmable Settings Block. (See 7.80 *Programmable Settings Block 1 (45057-57344)* on page 7–25.)

- Historical Log 1: Historical Log 1 will fill to its total allocated memory. The number of records possible in the log is the total memory allocated divided by the record size (size of an Historical Log snapshot) and the 8 bytes record header.

  For example:

  Record size = 64

  File allocated = 1MB = 1048576

  Number of records = 1048576 /(64+72)=14563.
- Historical Log 1 Record Size: (45463)

  This Register is an enumeration for the size of a record in the Historical log. The valid values are:

  0x00000 = 32 byte records

  0x00001 = 64 byte records

  0x00002 = 128 byte records

  0x00003 = 256 byte records

  0x00004 = 16 byte records

- Historical Log 1 Data Pointers: (45205-45332)

  These Registers indicate which information to include in a record in the Historical log. Each Data Pointer has the following 4 (four) byte structure:

| Size | Format | Description |
|---|---|---|
| 2 byte | unsigned int | Line Number |
| 1 byte | unsigned char | Point number |
| 1 byte | unsigned char | Reserved |

  A Line Number is an index into the Communication Table. Example - Line Number 11 is for the 12th line in the Communication Table, 0.1 second Phase-to-Neutral Voltages. Data Pointers with Line Numbers greater than the number of lines in the table are ignored.

  A Point Number is an index into the Communication Table.

  Example: Point Number 1 is for the second entry in a Line. Line Number 11, Point Number 1 is the second in the twelfth line, 0.1 second VBN. Data Pointers with Point Numbers greater than the number of points for the line are ignored.

- Record Format: A Record contains as many bytes as specified by the Historical Log 1 Record Size Field in the Programmable Settings Block (45463). The first eight bytes in each record is the Time Stamp. The format of the Time Stamp is:

| Byte | Format | Range | Description |
|---|---|---|---|
| 0 | binary | 0 – 99 | century |
| 1 | binary | 0 – 99 | year |
| 2 | binary | 1 – 12 | month |
| 3 | binary | 1 – 31 | day |
| 4 | binary | 0 – 23 | hour |
| 5 | binary | 0 – 59 | minute |
| 6 | binary | 0 – 59 | second |
| 7 | binary | 0 – 100 | centisecond |

  If the Historical record was recorded after powering up or the log was reset, the record does not contain information covering a full interval and the most significant bit of the second's byte will be set.

  If the Historical record was recorded after time was adjusted, the record might contain more or less than a full interval's worth of data.

  - If time is advanced within the current interval, or advanced or rolled back to outside the current interval, the record contains less than a full interval's worth of data and the most significant bit of the minute byte will be set.
  - If time is rolled back within the same interval, the record contains more than a full interval's worth of data and the bit before the most significant bit (bit 6) of the minute byte will be set.

- The remaining bytes are the values requested by the Historical Log 1 Data Pointers (45205-45332). If the first Data Pointer is requesting $V_{BN}$ a 4 byte value, then the next 4 bytes in the Record are $V_{BN}$. This continues, Data Pointer for Data Pointer, until all Data Pointers have been satisfied, or the number of bytes is equal to the Historical Log 1 Record Size.

## 8.3 Historical Log 2 Format

Profile Information is in the Programming Settings Block. (See 7.80 *Programmable Settings Block 1 (45057-57344)* on page 7–25.)

- Historical Log 2: Historical Log 2 will fill to its total allocated memory. The number of records possible in Historical Log 2 is the total memory allocated divided by the sum of record size (size of Historical Log snapshot) and the 8 bytes record header.
- Historical Log 2 Record Size: (45464)

  This Register is an enumeration for the size of a record in the Historical Log. The valid values are:

  0x00000 = 32 byte records

  0x00001 = 64 byte records

  0x00002 = 128 byte records

  0x00003 = 256 byte records

  0x00004 = 16 byte records
- Historical Log 2 Log Data Pointers: (45333-45460)

  These Registers indicate which information to include in a record in the Historical Log. Each Data Pointer has the following 4 (four) byte structure:

| Size | Format | Description |
|---|---|---|
| 2 byte | unsigned int | Line Number |
| 1 byte | unsigned char | Point number |
| 1 byte | unsigned char | Reserved |

  A Line Number is an index into the Communication Table. Example - Line Number 11 is for the 12th line in the Communication Table, 0.1 second Phase-to-Neutral Voltages. Data Pointers with Line Numbers greater than the number of lines in the table are ignored.

  A Point Number is an index into the Communication Table.

  Example: Point Number 1 is for the second entry in a Line. Line Number 11, Point Number 1 is the second in the twelfth line, 0.1 second VBN. Data Pointers with Point Numbers greater than the number of points for the line are ignored.
- Record Format: A Record contains as many bytes as specified by the Historical Log 2 Record Size Field in the Programmable Settings Block (45464). The first eight bytes in each record is the Time Stamp. The format of the Time Stamp is:

| Byte | Format | Range | Description |
|---|---|---|---|
| 0 | binary | 0 – 99 | century |
| 1 | binary | 0 – 99 | year |
| 2 | binary | 1 – 12 | month |
| 3 | binary | 1 – 31 | day |
| 4 | binary | 0 – 23 | hour |
| 5 | binary | 0 – 59 | minute |
| 6 | binary | 0 – 59 | second |
| 7 | binary | 0 – 100 | centisecond |

If the Historical record was recorded after powering up or the log was reset, the record does not contain information covering a full interval and the most significant bit of the second's byte will be set.

If the Historical record was recorded after time was adjusted, the record might contain more or less than a full interval's worth of data.

- If time is advanced within the current interval, or advanced or rolled back to outside the current interval, the record contains less than a full interval's worth of data and the most significant bit of the minute byte will be set.
- If time is rolled back within the same interval, the record contains more than a full interval's worth of data and the bit before the most significant bit (bit 6) of the minute byte will be set.

If the Historical Log 2 Time of Use Enable byte (45952) is disabled, the remaining bytes are the values requested by the Historical Log 2 Data Pointers (45333-45460). If the first Data Pointer is requesting $V_{BN}$ a 4 byte value, then the next 4 bytes in the Record are $V_{BN}$. This continues, Data Pointer for Data Pointer, until all Data Pointers have been satisfied, or the number of bytes is equal to the Historical Log 2 Record Size.

## 8.4 System Event Log Format

- The System Event Log stores events which affect the operation of the meter, including power events, time changes, log retrieval, and firmware changes. The full list is given below.
- Record Format: The System Event record is 16 bytes.

  [Timestamp] 8 bytes, EPM 9700 Timestamp

  [Record Type] 1 byte

  [Record Details] 7 bytes
- Event Table.

| Event Type ID | System Event Type | Record Sequence | Bytes 0 to 7 | Byte 8 | Byte 9 | Byte 10 | Byte 11 | Byte 12 | Byte 13 | Byte 14 | Byte 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x000 | Run Time Status (Power) | First | Time Stamp | Event Type ID | Details | Undefined | | | | | |
| 0x001 | Password | First | Time Stamp | Event Type ID | Action | Port ID | Undefined | | | | |
| 0x002 | Change Programmable Settings | First | Time Stamp | Event Type ID | Undefined | | | | | | |
| 0x003 | Change Firmware | First | Time Stamp | Event Type ID | Firmware ID | Current Major Version | | | | Rec Sequence | Undefined |
| | | Second | Time Stamp | Event Type ID | Firmware ID | Current Minor Version | | | | Rec Sequence | Undefined |
| 0x004 | Change Time | First | Time Stamp | Event Type ID | Part changed | Port ID | Undefined | | | | |
| 0x005 | Test Mode | First | Time Stamp | Event Type ID | Action | Port ID | Undefined | | | | |

| Event Type ID | System Event Type | Record Sequence | Bytes 0 to 7 | Byte 8 | Byte 9 | Byte 10 | Byte 11 | Byte 12 | Byte 13 | Byte 14 | Byte 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x006 | Log Retrieval | First | Time Stamp | Event Type ID | Action | Log ID | Port ID | Rec Sequence | Protocol | IP Byte 1 | IP Byte 2 |
| | | Second | Time Stamp | Event Type ID | Action | Log ID | Port ID | Rec Sequence | IP Byte 3 | IP Byte 4 | Undefined |
| 0x007 | Feature Reset | First | Time Stamp | Event Type ID | Item ID | Port ID | Undefined | | | | |
| 0x008 | System Initialization problem | First | Time Stamp | Event Type ID | Problem Type | Prob Detail | Undefined | | | | |
| 0x009 | Change meter serial number | First | Time Stamp | Event Type ID | Rec Sequence | Port ID | Old Serial Number MSB Part | | | | |
| | | Second | Time Stamp | Event Type ID | Rec Sequence | Old Serial Number LSB Part | | | Undefined | | |
| 0x00A | Bio-Block | First | Time Stamp | Event Type ID | Rec Sequence | Block ID | Update Order | Port ID | Reason = 1 | Not Used | |
| 0x00A | Bio-Block (Ethernet Board 1) | First | Time Stamp | Event Type ID | Rec Sequence | Block ID = 2 | Update Order | Port ID | Reason = 2 | MAC Byte 1 | MAC Byte 2 |
| | | Second | Time Stamp | Event Type ID | Rec Sequence | Block ID = 2 | Update Order | MAC B3 | MAC Byte 4 | MAC Byte 5 | MAC Byte 6 |
| 0x00A | Bio-Block (Front Panel Board) | First | Time Stamp | Event Type ID | Rec Sequence | Block ID = 3 | Update Order | Port ID | Reason >= 2 | Contrast | Volume |
| | | Second | Time Stamp | Event Type ID | Rec Sequence | LCD Turnoff Timeout | | X Left Coordinate | | X Right Coordinate | |
| | | Third | Time Stamp | Event Type ID | Rec Sequence | Y Top Coordinate | | Y Bottom Coordinate | | Undefined | |
| 0x00A | Bio-Block (Digital Board) | First | Time Stamp | Event Type ID | Rec Sequence | Block ID = 8 | Upd Order | Port ID | Reason = 2 | Cal Status | Cal Error |
| | | Second | Time Stamp | Event Type ID | Rec Sequence | F Tst Status | Fin Tst Error | Undefined | | | |
| 0x00B | VSwitch | First | Time Stamp | Event Type ID | V-Switch Value | Port ID | Undefined | | | | |
| 0x00C | Security | First | Time Stamp | Event Type ID | Action | Port ID | User Acc Idx | Undefined | | | |
| 0x00D | Clock Compensation | First | Time Stamp | Event Type ID | Enabled/ Disabled | Port ID | Undefined | | | | |

- **Run Time Status - Power Record**

The first byte of the sub-fields indicates whether power was lost or regained at the recorded time:

| | |
|---|---|
| 0x000 | Run Time was stopped (power loss, boot mode, etc.). The timestamp record is that recorded before the meter be turned off. |
| 0x001 | Run Time has started. |
| 0x002 | Run Time is active (all readings have initialized, polling, logging limits, etc. are enabled) |
| 0x003-0x0FF | Undefined |

The remaining 6 bytes of the sub-fields are undefined.

- **Password Record**

The Password System Event record is stored when the administrative password is used or changed. See Security Record for changes in the individual user accounts.

The first byte of the sub-fields indicates what action occurred at the recorded time:

| | |
|---|---|
| 0x000 | Password Protection was Enabled. |
| 0x001 | Password Protection was Disabled. |
| 0x002 | The Level 1 Password was changed. |
| 0x003 | The Level 2 Password was changed. |
| 0x004 | Level 1 access was granted. |
| 0x005 | Level 2 access was granted. |
| 0x006 | An invalid password was supplied. |
| 0x007-0x0FF | Undefined |

The second byte of the sub-fields indicates what port was used for the action:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are undefined.

- **Change Programmable Settings**

The 7 bytes of the sub-fields are undefined.

The first byte of the sub-fields indicates which copy was successfully created and saved. If all bits are zero no copy was successfully created/saved:

Bit 0 (Less significant bit) = 1 (First copy OK)

Bit 1 (Less significant bit) = 1 (Second copy OK)

Bit 2 (Less significant bit) = 1 (Third copy OK)

Bit 3-7 = Not defined

The 6 bytes of the sub-fields are undefined.

- **Change Firmware**

This event type can generate up two consecutives records.

The first byte of the sub-fields indicates which firmware has been changed:

| | |
|---|---|
| 0x000 | Comm Run Time |
| 0x001 | DSP 1 Run Time |

| | |
|---|---|
| 0x002 | Comm Boot |
| 0x003 | FPGA |
| 0x004 | DSP2 Run Time |
| 0x005-0x0FF | Undefined |

The next 4 bytes of the sub-fields indicates the current major/minor version number of the changed firmware. They major/minor version is left leading with space/zeros. (For FPGA the minor firmware version will be just into the second and third byte)

The sixth byte of the sub-fields indicates the record sequence.

| | |
|---|---|
| 0x000 | no extra record (for firmware that does not have minor version number) |
| 0x001 | the first record of the sequence, it contains the major version number |
| 0x002 | the second record of the sequence, it contains the minor version number |

The seventh byte of the sub-fields is undefined

- **Change Time**

This record is used to indicate manual changes of the time of the meter, as performed via communication commands. Automatic functions, such as IRIG-B or Daylight Savings, are not indicated by this record.

The first byte of the sub-fields indicates which part of the time change this record shows:

| | |
|---|---|
| 0x000 | Old Time – The time stamp is the old time of the meter. |
| 0x001 | New Time – The time stamp is the new time of the meter. |
| 0x002 | Old Time – Auto correction, time stamp before correction was made. Internally used, so next byte should be 0. |
| 0x003 | New Time – Auto correction, corrected time stamp. |
| 0x004-0x0FF | Undefined |

The second byte of the sub-fields indicates what port was used to change the time:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are undefined.

- **Log Download**

When logs are retrieved, the action is recorded in the system event log. When retrieving logs over Ethernet, two records are generated to record the IP address of the software doing the retrieval. When retrieving logs otherwise, only one record is recorded.

**First Record**

The first byte indicates the log download action:

| | |
|---|---|
| 0x000 | Download Started, Log records while downloading |
| 0x001 | Download Started, Log Paused while downloading |
| 0x002 | Download Ended. |
| 0x003 | Download Ended, dropped records. (**Log download using file system access**) |

The second byte of the sub-fields indicates which Log was being downloaded:

| | |
|---|---|
| 0x000 | Interval 1 Log |
| 0x001 | Interval 2 Log |
| 0x002 | Limit Log |
| 0x003 | n/a |
| 0x004 | Digital Input Log |
| 0x005 | n/a |
| 0x006 | Digital Output Log |
| 0x007 | n/a |
| 0x008 | Flicker Log |
| 0x009 | Waveform Log |
| 0x00A | System Event Log |
| 0x00B | Transient Log |
| 0x00C | PQ Log |
| 0x00D | Reset Log – NOT SUPPORTED |
| 0x00E | Interval Log 3 Log |
| 0x00F | Interval Log 4 Log |
| 0x010 | Interval Log 5 Log |
| 0x011 | Interval Log 6 Log |
| 0x012 | Interval Log 7 Log |
| 0x013 | Interval Log 8 Log |
| 0x014 | Event triggered Log |
| 0x015-0x0FF | Undefined |

The third byte of the sub-fields indicates what port was used to download the log:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |

| | |
|---|---|
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The fourth byte of the sub-fields indicates the sequence number: (**Ethernet only**)

| | |
|---|---|
| 0x000 | first record |
| 0x001 | second record |

The fifth byte of the sub-fields indicates the protocol: (**Ethernet only**)

| | |
|---|---|
| 0x000 | MODBUS TCP |
| 0x001 | FTP |

The remaining 2 bytes of the sub-fields are the first two bytes of the client IP address

**Second Record**

The first fourth bytes of the sub-fields are defined as into the first record.

The fifth and sixth bytes of the sub-fields are the last bytes of the client IP address

The remaining 1 byte of the sub-fields is undefined

- **Feature Reset**

A Feature Reset System Event record occurs when a log or accumulator is reset by an external request.

The first byte indicates what feature was being reset:

| | |
|---|---|
| 0x000 | All Logs Reset |
| 0x001 | Maximum Reset |
| 0x002 | Minimum Reset |
| 0x003 | Energy Reset |
| 0x004 | Time of Use Current Month |
| 0x005 | Internal Input Accumulations and Aggregations |
| 0x006 | KYZ Output Accumulations |
| 0x007 | Cumulative Demand |
| 0x008 | Interval 1 Log Reset |
| 0x009 | Interval 2 Log Reset |
| 0x00A | Limit Log Reset |
| 0x00B | Digital Input Log Reset |
| 0x00C | Digital Output Log Reset |
| 0x00D | Flicker Log Reset |
| 0x00E | Waveform Log Reset |
| 0x00F | PQ Log Reset |
| 0x010 | System Event Log Reset |
| 0x011 | Total Average Power Factor Reset |
| 0x012 | Time of Use Active registers |
| 0x013 | Test Mode – NOT SUPPORTED |
| 0x014 | Interval 3 Log Reset |
| 0x015 | Interval 4 Log Reset |

| | |
|---|---|
| 0x016 | Interval 5 Log Reset |
| 0x017 | Interval 6 Log Reset |
| 0x018 | Interval 7 Log Reset |
| 0x019 | Interval 8 Log Reset |
| 0x01A | Event triggered Log Reset |
| 0x01B | Transient Log Reset |
| 0x01C | EN50160 data reset |
| 0x01D | EN50160 report reset |
| 0x01E | EN50160 log reset |
| 0x01F | EN50160 data preset |

The second byte of the sub-fields indicates what port was used to request the reset.

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are undefined.

- **System Initialization Problem**

The System Initialization System Event records when the meter detected a problem during bootup.

The first byte indicates the problem type:

| | |
|---|---|
| 0x000 | Log Initialization |
| 0x001-0x0FF | Undefined |

The second byte of the sub-fields indicates the reason of the problem.

| | |
|---|---|
| Bit (0x01) | The log folder into the compact flash has a bad layout: files are out of order, files are missed, file have wrong size, directories exist into that folder |
| Bit 2 (0x02) | The memory allocated is bigger than the memory available |
| Bit 3 (0x04) | The log folder and the system event log file was created |
| Bit 4 (0x08) | Some log files are missed then they are created (This bit should not be set, excepted for special runtime version that allows creating log files) |
| Bit 5 (0x10) | The log files are out of order (This bit should not be set, excepted for special runtime version that allows creating log files) |
| Bit 6 (0x20) | There were extra log files in the end of the log folder and they were deleted (This bit should not be set, excepted for special runtime version that allows creating log files) |
| Bit 7 (0x40) | There were extra files into the log folder (This bit should not be set, excepted for special runtime version that allows creating log files) |

The remaining 5 bytes of the sub-fields are undefined.

- **Change Meter Serial Number**

This event generates two consecutives records.

**First Record:**

The first byte of the sub-fields indicates the sequence number.

| | |
|---|---|
| 0x000 | first record |
| 0x001 | second record |

The second byte of the sub-fields indicates what port was used to change the serial number:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are used to save the 5 most significant bytes of the old meter serial number.

**Second Record**

The first byte of the sub-fields indicates the sequence number.

| | |
|---|---|
| 0x001 | second record |

The second, third and fourth bytes of the sub-fields are used to save the 3 less significant byte of the old meter serial number.

The remaining 3 bytes of the sub-fields are undefined

- **Software Option**

A Software option system event record indicates the changing of the Software option of the meter.

The first byte indicates the value of the Software option to be updated to.

The second byte of the sub-fields indicates what port was used for the action:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |

| | |
|---|---|
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are undefined.

- **Security**

A Security System Event record occur when a security change occurs, such as changing a username or password used to log onto the meter. See Password Record for changes in the administrative password.

The first byte of the sub-fields indicates what action occurred at the recorded time:

| | |
|---|---|
| 0x000 | Sealing switch enabled |
| 0x001 | Sealing switch disabled. |
| 0x002 | Network username/password changed. |
| 0x003 | Network privileges changed |
| 0x004-0x0FF | Undefined |

The second byte of the sub-fields indicates what port was used for the action:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The third byte of the sub-fields is just valid for actions 0x002-0x003 and indicates the user account number

| | |
|---|---|
| 0x000 | n/a |
| 0x001 | user account 1 |
| 0x002 | user account 2 |
| 0x003 | user account 3 |
| 0x004 | user account 4 |
| 0x005 | user account 5 |
| 0x006 | user account 6 |
| 0x007 | user account 7 |
| 0x008 | user account 8 |

The remaining 4 bytes of the sub-fields are undefined.

- **Clock Compensation**

The first byte indicate if the clock compensation was enabled or disabled:

| | |
|---|---|
| 0x000 | Disabled |
| 0x001 | Enabled |

The second byte of the sub-fields indicates what port was used for the action:

| | |
|---|---|
| 0x000 | internal use |
| 0x001 | PORT 1 – IR/OPTICAL PORT |
| 0x002 | LCD touch screen |
| 0x003 | ETHERNET 1 |
| 0x004 | ETHERNET 2 |
| 0x005 | PORT 3- RS485 – master or slave |
| 0x006 | reserved, N/A |
| 0x007 | USB only, N/A for UART |
| 0x008 | PORT 4 – RS485, master or slave |
| 0x009 | PORT 2 – UART, USB serial |
| 0x00A-0x0FF | Undefined |

The remaining 5 bytes of the sub-fields are undefined.

GE
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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Chapter 9: Additional Procedures

## 9.1 Overview

This chapter contains additional procedures related to the Modbus map.

## 9.2 Port Locking - Overview

At times it may be necessary for a Master connected to one port of an EPM 9700 meter to communicate directly to a Slave device connected to a different port of the same meter. For example, software on a computer connected to one port of an EPM 9700 meter might need to change settings on an external device connected to another port of the meter. To accommodate this need, the following steps allow a Master to control the Transmit and Receive buffers of another port.

To prevent contention, only one Master at a time may control a given port. This is referred to as "Locking a Port". If Port 1 is controlling Port 4, no other ports may control Port 4 until Port 1 is finished.

### 9.2.1 Sequence for Port Locking

To lock a port, follow the steps below:

1. Determine the port to which the Modbus Master is currently attached: Register 65411.
2. Determine that the desired port is currently unlocked: Registers 41730 – 41732.
3. Write to lock the desired port: write 0100H – 0104H to Register 41729.
4. Verify that the port is successfully locked: Registers 41730 – 41732.
5. Read the current states of the pointers: 41733 – 41752.

### 9.2.2 Transmission

1. Decide which transmit buffer to use, from 4 to 7, and write it to register 41753.
2. Find the current position of the TrmIn pointer: Registers 41735, 41739, 41743, 41747, 41751.
3. Add bytes to the transmit buffer starting at the position indexed by the TrmIn pointer up to the position before that indexed by the TrmOut pointer.
4. Write the new value for the TrmIn pointer (the position after the last byte added) to the TrmIn pointer.

### 9.2.3 Reception

1. Decide which receive buffer to use, from 0 to 3, and write it to register 41753.
2. Find the current position of the RecOut pointer: 41734, 41738, 41742, 41746, 41750.
3. Read bytes starting at the position after that indexed by the RecOut pointer, up to the position before the position indexed by the RecIn pointer.
4. Write the new value for the RecOut pointer (the position of the last byte read) to the RecOut pointer.

### 9.2.4 Port Unlocking Sequence

To unlock a port, follow the steps below:

1. Empty the receive buffer (RecOut written so it is the position before RecIn).
2. Write to unlock the desired port: write 0200H – 0204H to Register 41729.
3. Verify that the port is successfully unlocked: Registers 41730 – 41732.

## 9.3 Updating Programmable Settings

Note that this procedure is included for completeness, but is not recommended for regular customer use. The GE Communicator software creates the programmable settings file automatically when it is used to update programmable settings. That is the recommended procedure.

1. Build the binary programmable settings block to update to the meter. All 32k of programmable settings must be updated.
    - The programmable settings are broken into two blocks, Block 1 and Block 2, each 16384 bytes in size.
    - Compute the CRC16 on the first 16382 bytes of Block 1. We do not include the last two bytes, as this is where the checksum is stored.
    - Continue computing the checksum (using the previously computed checksum as the seed), on all 16384 bytes of Block 2.
    - Place the computed checksum into the last two bytes of Block 1.
2. If Level 2 Password Protection is enabled, send the Level 2 password to allow updating the Programmable Settings. If sealing switch is enabled, press the Sealing switch.

3. If any changes were made to the Programmable Settings which affect the logs, the logs should be cleared.
    - Lock the logs to prevent them from being updated until the meter is reset. Write 0xABCD to register 0xE052.
    - Write 0xFFFF to the register listed below to reset that log.

| | |
|---|---|
| All Logs | 0xE000 |
| Historical 1 | 0xE035 |
| Historical 2 | 0xE036 |
| Sequence of Events | 0xE037 |
| Digital Input | 0xE038 |
| Digital Output | 0xE039 |
| Flicker | 0xE03A |
| Waveform | 0xE03B |
| PQ | 0xE03C |
| Historical 3 | 0xE04A |
| Historical 4 | 0xE04B |
| Historical 5 | 0xE04C |
| Historical 6 | 0xE04D |
| Historical 7 | 0xE04E |
| Historical 8 | 0xE04F |
| Event Triggered | 0xE050 |
| Transient | 0xE051 |
| TOU Action Log | 0xE0A5 |
| TOU Month and Season Log | 0xE0A7 |

4. Write the Programmable Settings Data.

All 32k of data must be written for the Programmable Settings to be updated.

1. Write Block 1 for 16384 bytes starting at register 0xB000.
2. Write Block 2 for 16384 bytes starting at register 0x6000.

5. Wait for the meter to finish storing the Programmable Settings.

a. Read the Programmable Settings Update Status registers. 7 registers at 0xFFE0

| offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| 0x00 | Match (MSB) | Mode (LSB) | Error Code | | Time Stamp | | | |
| 0x08 | Time Stamp | | | | Checksum | | | |

- Match — Indicates if the RAM and Stored programmable settings match. 0 indicates a match, 1 indicates no match.
- Mode — Indicates if the meter is in the process of updating the programmable settings. 0 indicates the process is idle, otherwise an update is in progress.
- Error Code

0 — No Error

1 — Internal Global Flag not set

| | | |
|---|---|---|
| 2 | | Buffer not ready |
| 3 | | Bad Checksum |
| 4 | | Internal Checks Failed |
| 5 | | Could not write file header |
| 6 | | Data Write Error |
| • | Timestamp | 8 byte timestamp (EPM 9700) |
| • | Checksum | Checksum of the stored programmable settings. |

b. If the Status Mode indicates that the update is idle, check that Match indicates that the RAM and file copies match, and that Error Code indicates No Error. If so, Programmable Settings have successfully been updated, and you may continue.

c. Otherwise, check the Status Error Code.

- If an error is indicated, exit the update.
- If no error is indicated, continue waiting.

6. If logs were reset at the beginning of the process, wait for all logs to finish resetting before continuing.

   a. Query the Log Status register for each of the Logs.

| | |
|---|---|
| Historical 1 | 0x9012 |
| Historical 2 | 0x9052 |
| Historical 3 | 0x9E17 |
| Historical 4 | 0x9E57 |
| Historical 5 | 0x9E97 |
| Historical 6 | 0x9ED7 |
| Historical 7 | 0x9F17 |
| Historical 8 | 0x9F57 |
| Event Triggered | 0x9F97 |
| Sequence of Events | 0x9097 (aka, Limits, Alarms) |
| Digital Inputs | 0x9117 |
| Digital Outputs | 0x9197 |
| Flicker | 0x9217 |
| Waveform | 0x9242 |
| PQ | 0x9317 |
| System Events | 0x9295 |
| Transient | 0x92C2 |
| TOU Action Log | 0xA117 |
| TOU Month and Season Log | 0xA157 |

   b. Wait until all status registers read 0.

7. Send the command to Reset the meter. Programmable Settings do not take effect until the Meter has been Reset. The Reset command is protected by Level 2 password and the Sealing switch, if those are enabled. The meter will not process Reset command if it's in the middle of processing a programmable settings update.

   a. Send 0x0001 to register 0xFFFA.

   b. Wait at least 30 seconds for the device to restart.

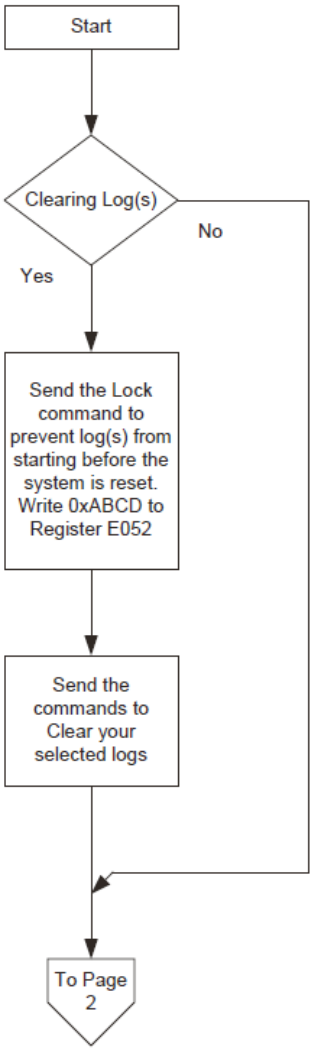
NOTE

See the Programming flowchart beginning below.

**EPM 9700 Programmable Settings Update (Page 1)**

This is the flowchart of the procedure used to place updated programmable settings into the device using standard Modbus Holding register functions.

Note for this document all Modbus Registers are Holding Registers.




To Clear or Reset all logs excluding the System Event Log:

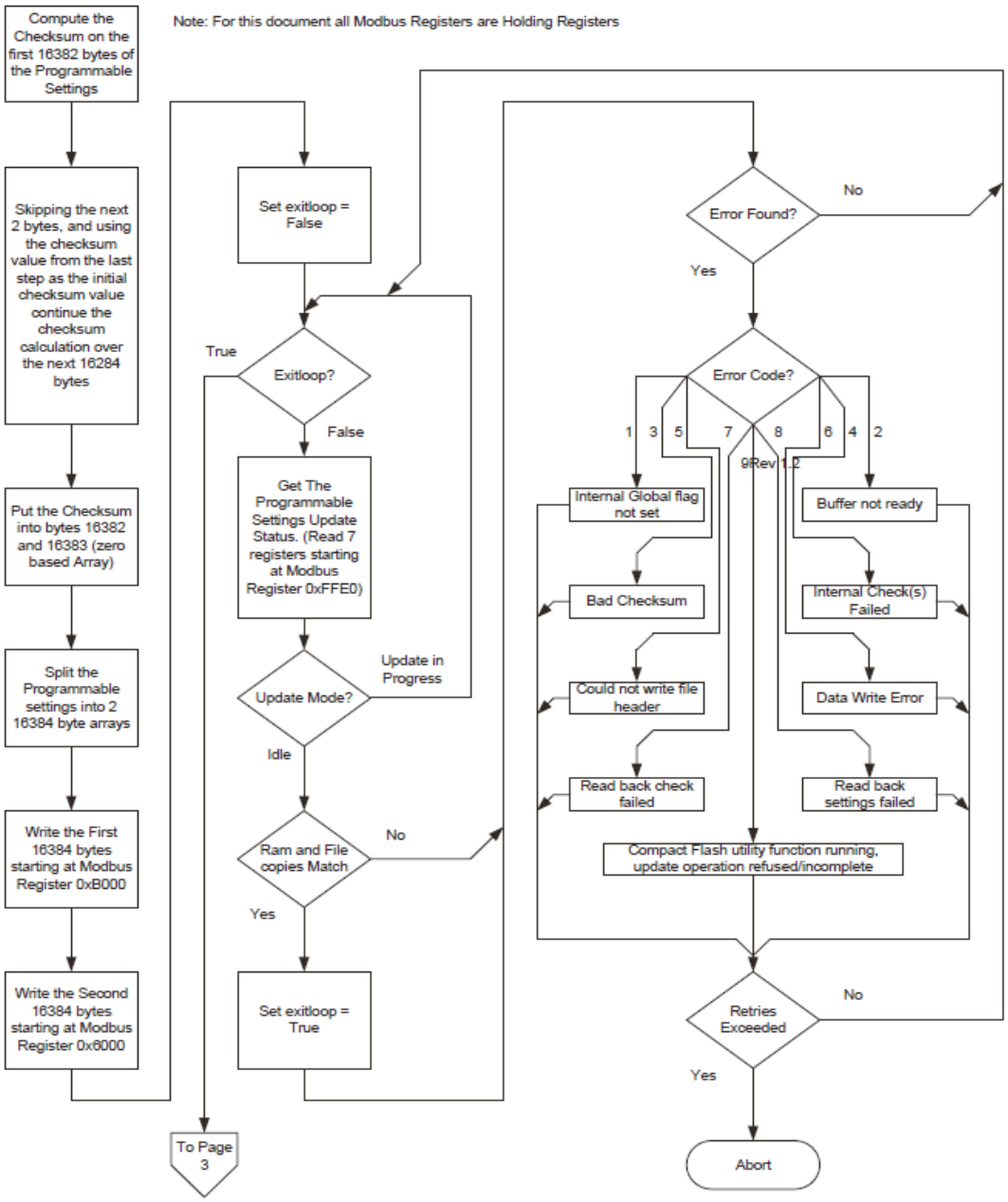
Write 0xFFFF to Holding Register 0xE000

To Clear or Reset a specific Log:

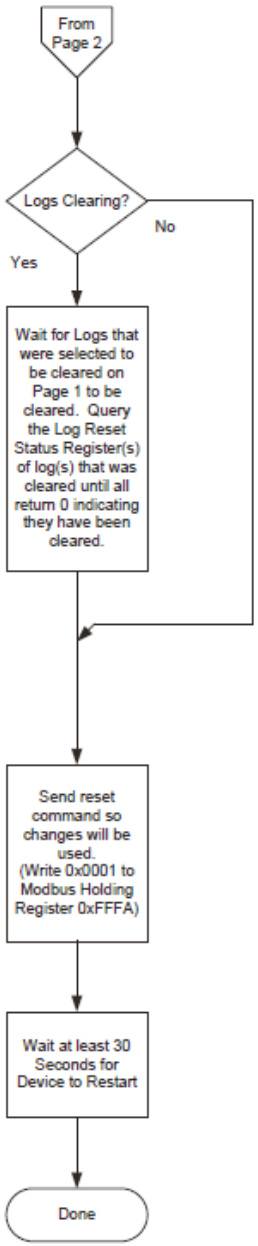
Write 0xFFFF to the Holding Register associated with the Log shown in the table below:Rev 1.2

| Log | Holding Register |
|---|---|
| Historical 1 | 0xE035 |
| Historical 2 | 0xE036 |
| Sequence of Events | 0xE037 |
| Digital Input | 0xE038 |
| Digital Output | 0xE039 |
| Flicker | 0xE03A |
| Waveform | 0xE03B |
| PQ | 0xE03C |
| Historical 3 | 0xE04A |
| Historical 4 | 0xE04B |
| Historical 5 | 0xE04C |
| Historical 6 | 0xE04D |
| Historical 7 | 0xE04E |
| Historical 8 | 0xE04F |
| Event Triggered | 0xE050 |
| Transient | 0xE051 |

**EPM 9700 Programmable Settings Update (Page 2, continued from Page 1)**



## EPM 9700 Programmable Settings Update (Page 3, continued from Page 2)




Note: For this document all checksums use CRC-16 as defined in the Modbus RTU Protocol

| Programmable Settings Update Status Registers (0xFFE0 to 0xFFE6) | | |
|---|---|---|
| Holding Registers | Description | |
| 0xFFE0 | Ram and File Match(MSB) | Mode(LSB) |
| 0xFFE1 | Error Code | |
| 0xFFE2 - 0xFFE5 | Time Stamp | |
| 0xFFE6 | FileChecksum | |

Ram and File Match(MSB):

0: File and RAM copies match

1: File and RAM copies do not match

Mode(LSB):

0: Idle, update not in progress

Not 0: Update in progress

Error Code:

0: No Error

1: Internal Global flag not set

2: Buffer not ready

3: Bad Checksum

4: Internal Check(s) Failed

5: Could not write file header

6: Data Write Error

7: Read back check failed. Ask Wei Wang for a real definition.

8: Read back settings failed. Ask Wei Wang for a real definition.

9: CF Utility function running, update operation refused / incomplete. Ask Wei Wang for a real definition.

Greater than 9 not defined

Time Stamp:

See Nexus Time Stamp format in the Modbus Manual.

FileChecksum:

Checksum of the file containing the programmable settings stored on the compact flash.

Log Reset Status Register(s)

Historical 1 = 0x9012
Historical 2 = 0x9052
Historical 3 = 0x9E17
Historical 4 = 0x9E57
Historical 5 = 0x9E97
Historical 6 = 0x9ED7
Historical 7 = 0x9F17
Historical 8 = 0x9F57
Event Triggered = 0x9F97
Sequence Of Events = 0x9097 'Limits
Digital Inputs = 0x9117
Digital Outputs = 0x9197
Flicker = 0x9217
Waveform = 0x9242
PQ = 0x9317
System Events = 0x9295
Transient = 0x92C2

## 9.4 Time of Use Information

This section provides detailed information concerning the Modbus registers holding the meter's TOU data.

### TOU Detail Status

Current TOU detail status is in Modbus Holding register 8807H.

Prior TOU detail status is in Modbus Input registers EF6FH and EF70H.

The status provides detailed information, for example, whether or not TOU is running, if there are errors, if TOU is in Self Read mode or Manual Read mode, if the TOU season is configured as week or day. The user needs to read and process these registers before processing TOU data.

### Customized Season

The Current Season/Prior Season registers can be customized in the meter's TOU configuration to provide either Weekly or Daily behavior. In this case, the registers will no longer be called Current Season or Prior Season. Depending on the TOU configuration, the "Current Season" may be referred to as the "Current Week" or "Current Day," and the "Prior Season" may be referred to as the "Prior Week" or "Prior Day." Note that this will not change the operation of the "Current Month" or "Prior Month" registers, which will continue to operate according to the billing month dates set up in the TOU profile.

### TOU Data Values

The TOU data values are in the Modbus Input registers, starting at D037H. They are arranged as follows:

Current Billing Month, whole month - rate 0 to rate 4, each rate having data sets from 1 to 16.

Current Billing Month, initial season - rate 0 to rate 4, each rate having data sets from 1 to 16.

Current Billing Month, final season - rate 0 to rate 4, each rate having data sets from 1 to 16.

Prior Billing Month, whole month - rate 0 to rate 4, each rate having data sets from 1 to 16.

Prior Billing Month, initial season - rate 0 to rate 4, each rate having data sets from 1 to 16.

Prior Billing Month, final season - rate 0 to rate 4, each rate having data sets from 1 to 16.

Current Season/Week/Day - rate 0 to rate 4, each rate having data sets from 1 to 16.

Prior Season/Week/Day - rate 0 to rate 4, each rate having data sets from 1 to 16.

### TOU Data Set Values

Accumulators: these are in primary, with scaled energy format.

Identifiers:

For Current Month/Season/Week/Day:

The identifiers are in the TOU profile's Header section, Modbus Holding registers 882EH-8835H - 2 IDs in each register, with a total of 16 IDs for 16 datasets.

Available valid ID values are 1-30 and 40-48. These IDs are used to identify what each accumulator is and its detailed format in the meter profile, starting at Modbus Holding register CA00H.

For example, Positive Wh (Quadrant 1+4) would have an ID of 4, which is the 4th setting in the scaled energy format list, and its scaled energy format settings are located in meter profile CA01H's low byte.

For Prior Month/Season/Week/Day:

The identifiers are in the TOU's Prior Scaled Energy IDs, Modbus Input registers EF4FH-EF5EH - 2 IDs in each register, with a total of 16 IDs for 16 datasets.

There are two sections - one for Prior Billing Month and one for Prior Season/Week/Day.

Available valid ID values are 1-30 and 40-48. These IDs are used to identify what each accumulator is and its detailed format in the meter profile, starting at Modbus Input register EF1BH.

For example, Previous Season +Wh Q1+4 would have an ID of 4, which is the 4th setting in the scaled energy format list and its scaled energy format settings are located in Modbus Input register EF36H's low byte.

Peak Demand:

Data is in IEEE 32-bit floating point, primary format. The demand values correspond to the accumulator value settings.

For example, if the accumulator has a scaled energy ID setting of 4 (for +Wh Q1+4), then the demand would the identified as +W Q1+4.

Cumulative Demand:

Data is in 32-bit unsigned integer, primary format. The demand values correspond to the accumulator value settings.

For example, if the accumulator has a scaled energy ID setting of 4 (for +Wh Q1+4), then the demand would the identified as +W Q1+4.

Coincident Demand:

Data is in IEEE 32-bit floating point, primary format.

Identifiers:

For Current Month/Season/Week/Day:

The identifiers are in the TOU profile's Header section, Modbus Holding registers 8836H-883DH - 2 IDs in each register, with a total of 16 IDs for 16 datasets.

Available valid ID values are 2, 3, 6, 8, 11, 13, 25 and 26 for VAR type data, and ID=0 for PF type data. These IDs are used to identify what each coincident demand is, starting at Modbus Holding register CA00H.

For example, VAR Q1+2 would have an ID of 2, which is the 2nd item in the scaled energy format list.

For Prior Month/Season/Week/Day:

The identifiers are in the TOU's Prior Scaled Energy IDs, Modbus input registers EF5FH-EF6EH - 2 IDs in each register, with a total of 16 IDs for 16 datasets.

There are two sections, one for Prior Billing Month and one for Prior Season/Week/Day.

Available valid ID values are 2, 3, 6, 8, 11, 13, 25 and 26 for VAR type data, and ID=0 for PF type data. These IDs are used to identify what each coincident demand is.

For example, VAR Q1+2 would have an ID of 2, which is the 2nd item in the scaled energy format list.

Peak Demand Time Stamp:

The Time Stamp is in 6 bytes packed S-Format.

Each byte holds a value in the time stamp, i.e., year, month, day, hour, minute and second.

The Year value is offset from year 2000. For example, if Year=10, then Year value in the time stamp is 2010.

### Additional TOU Support Information

Additional TOU information is in Modbus Input registers D027H-D036H and EF71HEF7CH: TOU Current/Prior Start times, Next Self Read time, Billing Month ID, and Season ID.

## 9.5 Calibration Interface: Direct Adjustment Interface

| | Factory Read | CT/PT Read | Modification |
|---|---|---|---|
| Block Time Stamp | 60929-60932 | 61027-61030 | |
| Calibration Modification Selection | | | 61185 |
| Calibration Time Stamp | 60933-60936 | 61030-61034 | 61186-61189 |
| Gain Factor for VAE, VBE, VCE, VNE | 60937-60944 | 61035-61042 | 61190-61197 |
| Gain Factor for IA, 25 mA, 150 mA, 250 mA, 500 mA, 1 A, 2.5 A, 5 A | 60945-60956 | 61043-61054 | 61198-61209 |
| Gain Factor for $I_B$, $I_C$, $I_{NM}$ | 60957-60992 | 61055-61090 | 61210-61245 |
| Unused | 60993 | 61091 | 61246 |
| Phase Comp. IA, 150 mA, 250 mA, 500 mA, 1 A, 2.5 A, 5 A, 10 A | 60994-60998 | 61092-61096 | 61247-61251 |
| Phase Comp. $I_B$, $I_C$ | 60999-61025 | 61097-61106 | 61252-61278 |
| Current Threshold | 61023-61024 | 61121-61122 | 61276-61277 |
| Table Version | 61025 | 61123 | 61278 |
| Calibration checksum | 61026 | 61124 | 61279 |
| Block checksum | | | 61280 |

Calibration data can be read and modified using the above registers. Factory Calibration and CT/PT Compensation Calibration are available in the above blocks.

The Block Timestamp indicates when the data you are reading was last refreshed for viewing. The Calibration Timestamp indicates when calibration information was last modified. This is provided as part of the block when direct adjustments are performed.

The Calibration Checksum is a CRC16 checksum computed over all calibration information from the Calibration Timestamp through to the last unused byte before the Calibration Checksum. It is provided as part of the block when direct adjustments are performed.

When performing a direct adjustment, in addition to providing a properly checksummed table of calibration data, a selection indicating whether the table should update the Factory calibration or the CT/PT calibration needs to be provided. This selection should be 0x00000 for Factory Calibration and 0x00100 for CT/PT Compensation. To verify the selection, a Block Checksum must be computed from the Calibration Modification Selection through to the Calibration Checksum.

**Voltage Gain Factor:** 4 byte signed LSB values with 15 bits of fraction that are used as a multiplicative factor.

| LSB First | MSB First | Decimal | Scaled | Meaning |
|---|---|---|---|---|
| 0x00000010 | 0x00100000 | 1048576 | 1.00000 | x*1.00 (unity) |
| 0x99990011 | 0x00119999 | 1153433 | 1.0999994 | x*1.10 (magnification 10%) |
| 0x6666000E | 0x000E6666 | 943718 | 0.8999996 | x*0.90 (diminution 10%) |

To increase/decrease a voltage reading by y percent, **multiply the gain factor by (100 + y)/100.**

| Change by | y | Multiply by |
|---|---|---|
| Increase 2% | +2 | 102/100 = 1.02 |
| Decrease 5% | -5 | 95/100 = 0.95 |

**Current Gain Factors:** 4-byte signed LSB values with 16 bits of fraction that are used as a divisive factor.

| As Stored (LSB) | MSB | Decimal | Scaled | Meaning |
|---|---|---|---|---|
| 0x00000010 | 0x00100000 | 1048576 | 1.00000 | x/1.00 (unity) |
| 0x99990011 | 0x00119999 | 1153433 | 1.099999 | x/1.10 (diminution 10%) |
| 0x6666000E | 0x000E6666 | 943718 | 0.899999 | x/0.90 (magnification 10%) |

To increase/decrease a current reading by y percent, **multiply the gain factor by 100/ (100 + y)**.

| Change by | y | Multiply by |
|---|---|---|
| Increase 2% | +2 | 100/102 = 0.98039 |
| Decrease 5% | -5 | 100/95 = 1.05263 |

**PT Gain Factor:** The CT/PT compensation table has 6 additional gain factors: PT gain for Van, Vbn, Vcn, Vab, Vbc, and Vca. They are 4 byte unsigned LSB first values in units of 1/ 268435456. They form a 32 bit unsigned fixed point number, 4 MSB bits for integer and 28 LSB bits for fraction.

| LSB First | MSB First | Decimal | Scaled |
|---|---|---|---|
| 0x00001000 | 0x10000000 | 268435456 | 1.00000 |
| 0x99990011 | 0x00119999 | 1153433 | 0.004297 |
| 0x66661100 | 0x11006666 | 285238886 | 1.06259 |

**Phase Compensation Factors**: 4 -byte signed LSB values in units of 0.01" of additive Power Factor shift.

| LSB First | MSB First | Decimal | Scaled | Meaning |
|---|---|---|---|---|
| 0x00000 | 0x00000 | 0 | 0.00 | No Phase Shift |
| 0x00200 | 0x00002 | 2 | 0.02 | +0.02° PF Shift |
| 0x0FEFF | 0x0FFFE | -2 | -0.02 | -0.02° PF Shift |

The Transformer manufacturer specifies the Phase shift in minutes/second. Convert minutes to degree with the equation: 1 minute = 3 degrees, and 1 minute = 60 seconds, so 1 second = 0.05 degrees.

Current Threshold: The current threshold is an optional component of the calibration table. It occupies two words, both of which are LSB first. If programmed, the second word is a one's compliment of the first words. If unprogrammed, the default operation of the meter is to zero out individual phase 1 second readings if less than 5 mA; if programmed, the first word indicates the fractional value of the current readings below which it will zero out.

| LSB First | MSB First | Decimal | Scaled | Meaning |
|---|---|---|---|---|
| 0xEE5E0148 | 0x0148EE5E | 328 | 0.005 | Zero out current < 5 mA |
| 0xEE5FEB7 | 0xFEB7EEE5F | | | Programmed |

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Appendix A: Manual Revision History

## A.1 Release Notes

Table A–1: Release Dates

| MANUAL | GE PART NO. | RELEASE DATE |
|---|---|---|
| GEK-131027 | 1601-0716-A1 | June 2018 |
| GEK-131027A | 1601-0716-A2 | April 2020 |

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# EPM 9700 Modbus Protocol and Register Map Reference Guide

# Glossary

| | |
|---|---|
| **1 Second Values:** | These values are the RMS values of the indicated quantity as calculated after one second (60 cycles) of sampling. |
| **Alarm:** | An event or condition in a meter that can cause a trigger or call-back to occur. |
| **Annunciator:** | A short label that identifies particular quantities or values displayed, for example kWh. |
| **Average (Current):** | When applied to current values (amps) the average is a calculated value that corresponds to the thermal average over a specified time interval. The interval is specified by the user in the meter profile. The interval is typically 15 minutes. So, Average Amps is the thermal average of amps over the previous 15-minute interval. The thermal average rises to 90% of the actual value in each time interval. For example, if a constant 100amp load is applied, the thermal average will indicate 90 amps after one time interval, 99 amps after two time intervals and 99.9 amps after three time intervals. |
| **Average (Input Pulse Accumulations):** | (When applied to Input Pulse Accumulations, the "Average" refers to the block (fixed) window average value of the input pulses. |
| **Average (Power):** | When applied to power values (watts, VARs, VA), the average is a calculated value that corresponds to the thermal average over a specified time interval. The interval is specified by the user in the meter profile. The interval is typically 15 minutes. So, the Average Watts is the thermal average of watts over the previous 15-minute interval. The thermal average rises to 90% of the actual value in each time interval. For example, if a constant 100kW load is applied, the thermal average will indicate 90kW after one time interval, 99kW after two time intervals and 99.9kW after three time intervals. |
| **Bit:** | A unit of computer information equivalent to the result of a choice between two alternatives (Yes/No, On/Off, for example).<br>Or, the physical representation of a bit by an electrical pulse whose presence or absence indicates data. |
| **Binary:** | Relating to a system of numbers having 2 as its base (digits 0 and 1). |
| **Block Window Avg (Power):** | The Block (Fixed) Window Average is the average power calculated over a user-set time interval, typically 15 minutes. This calculated average corresponds to the demand calculations performed by most electric utilities in monitoring user power demand. (See Rolling Window Average.) |
| **Byte:** | A group of 8 binary digits processed as a unit by a computer (or device) and used especially to represent an alphanumeric character. |
| **CBEMA Curve:** | A voltage quality curve established originally by the Computer Business Equipment Manufacturers Association. The CBEMA Curve defines voltage disturbances that could cause malfunction or damage in microprocessor devices. The curve is characterized by voltage magnitude and the duration which the voltage is outside of tolerance. (See ITIC Curve.) |
| **Channel:** | The storage of a single value in each interval in a load profile. |
| **CRC Field:** | Cyclic Redundancy Check Field (Modbus communication) is an error checksum calculation that enables a Slave device to determine if a request packet from a Master device has been corrupted during transmission. If the calculated value does not match the value in the request packet, the Slave ignores the request. |
| **CT (Current) Ratio:** | A Current Transformer Ratio is used to scale the value of the current from a secondary value up to the primary side of an instrument transformer. |
| **Demand:** | The average value of power or a similar quantity over a specified period of time. |
| **Demand Interval:** | A specified time over which demand is calculated. |

| | |
|---|---|
| **Display:** | User-configurable visual indication of data in a meter. |
| **DNP 3.0:** | A robust, non-proprietary protocol based on existing open standards. DNP 3.0 is used to operate between various systems in electric and other utility industries and SCADA networks. |
| **EEPROM:** | Nonvolatile memory. Electrically Erasable Programmable Read Only Memory that retains its data during a power outage without need for a battery. Also refers to meter's FLASH memory. |
| **Energy Register:** | Programmable record that monitors any energy quantity. Example: Watthours, VARhours, VAhours. |
| **Ethernet:** | A type of LAN network connection that connects two or more devices on a common communications backbone. An Ethernet LAN consists of at least one hub device (the network backbone) with multiple devices connected to it in a star configuration. The most common versions of Ethernet in use are 10BaseT or 100BaseT as defined in IEE standards. However, several other versions of Ethernet are also available. |
| **Exception Response:** | Error Code (Modbus communication) transmitted in a packet from the Slave to the Master if the Slave has encountered an invalid command or other problem. |
| **Form:** | Wiring and Hookup configuration for the EPM 9700 meter. |
| **Harmonics:** | Measuring values of the fundamental current and voltage and percent of the fundamental. |
| **High Speed Values:** | These values are the RMS values of the indicated quantity as calculated based on user programmable update rate, between 2 cycles and 20 cycles. |
| **Integer:** | Any of the natural numbers, the negatives of those numbers or zero. |
| **Invalid Register:** | In the EPM 9700 meter's Modbus Map there are gaps between Registers. For example, the next Register after 08320 is 34817. Any unmapped Register is said to be invalid. |
| **ITIC Curve:** | An updated version of the CBEMA Curve that reflects further study into the performance of microprocessor devices. The curve consists of a series of steps but still defines combinations of voltage magnitude and duration that will cause malfunction or damage. |
| **Ke:** | kWh per pulse; i.e. the energy. |
| **kWh:** | kilowatt hours; kW x demand interval in hours. |
| **KYZ Output:** | Output where the rate of changes between 1 and 0 reflects the magnitude of a metered quantity. |
| **LCD:** | Liquid Crystal Display. |
| **LED:** | Light Emitting Diode. |
| **Master Device:** | In Modbus communication, a Master Device initiates and controls all information transfer in the form of a Request Packet to a Slave Device. The Slave reponds to each request. |
| **Maximum Demand:** | The largest demand calculated during any interval over a billing period. |
| **Modbus ASCII:** | Alternate version of the Modbus protocol that utilizes a different data transfer format. This version is not dependent upon strict timing, as is the RTU version. This is the best choice for telecommunications applications (via modems). |
| **Modbus RTU:** | The most common form of Modbus protocol. Modbus RTU is an open protocol spoken by many field devices to enable devices from multiple vendors to communicate in a common language. Data is transmitted in a timed binary format, providing increased throughput and therefore, increased performance. |
| **Network:** | A communications connection between two or more devices to enable those devices to send and receive data to one another. In most applications, the network will be either a serial type or a LAN type. |
| **NVRAM:** | Non-volatile Random Access Memory is able to keep the stored values in memory even during the loss of circuit or control power. High speed NVRAM is used in the EPM 9700 meter to gather measured information and to insure that no information is lost. |
| **Optical Port:** | A meter port that facilitates infrared communication. Using an ANSI C12.13 Type II magnetic optical communications coupler and an RS232 cable from the coupler to a PC, the meter can be programmed with Communicator software. |
| **Packet:** | A short fixed-length section of data that is transmitted as a unit. Example: a serial string of 8-bit bytes. |
| **Percent (%) THD:** | Percent Total Harmonic Distortion. |
| **Protocol:** | A language that will be spoken between two or more devices connected on a network. |
| **PT Ratio:** | Potential Transformer Ratio used to scale the value of the voltage to the primary side of an instrument transformer. Also referred to as VT Ratio. |
| **Pulse:** | The closing and opening of the circuit of a two-wire pulse system or the alternate closing and opening of one side and then the other of a three-wire system (which is equal to two pulses). |

| | |
|---|---|
| **Quadrant (Programmable Values and Factors on the EPM 9700 Meter):** | Watt and VAR flow is typically represented usng an X-Y coordinate system. The four corners of the X-Y plane are referred to as quadrants. Most power applications label the right hand corner as the first quadrant and number the remaining quadrants in a counter-clockwise rotation. Following are the positions of the quadrants: 1st - upper right, 2nd - upper left, 3rd - lower left and 4th - lower right. Power flow is generally positive in quadrants 1 and 4. VAR flow is positive in quadrants 1 and 2. The most common load conditions are: Quadrant 1 - power flow positive, VAR flow positive, inductive load, lagging or positive power factor; Quadrant 2 - power flow negative, VAR flow positive, capacitive load, leading or negative power factor. |
| **Register:** | An entry or record that stores a small amount of data. |
| **Register Rollover:** | A point at which a Register reaches its maximum value and rolls over to zero. |
| **Reset:** | Logs are cleared or new (or default) values are sent to counters or timers. |
| **Rolling Window Average (Power):** | The Rolling (Sliding) Window Average is the average power calculated over a user-set time interval that is derived from a specified number of sub-intervals, each of a specified time. For example, the average is calculated over a 15-minute interval by calculating the sum of the average of three consecutive 5-minute intervals. This demand calculation methodology has been adopted by several utilities to prevent customer manipulation of kW demand by simply spreading peak demand across two intervals. |
| **RS232:** | A type of serial network connection that connects two devices to enable communication between devices. An RS232 connection connects only two points. Distance between devices is typically limited to fairly short runs. Current standards recommend a maximum of 50 feet but some users have had success with runs up to 100 feet. Communications speed is typically in the range of 1200 bits per second to 57,600 bits per second. RS232 communication can be accomplished using the Optical Port of a meter. |
| **RS485:** | A type of serial network connection that connects two or more devices to enable communication between the devices. An RS485 connection allows multi-drop communication from one to many points. Distance between devices is typically limited to around 2,000 to 3,000 wire feet. Communications speed is typically in the range of 120 bits per second to 115,000 bits per second. |
| **Sag:** | A voltage quality event during which the RMS voltage is lower than normal for a period of time, typically from 1/2 cycle to 1 minute. |
| **Secondary Rated:** | Any Register or pulse output that does not use any CT or VT Ratio. |
| **Serial Port:** | The type of port used to directly interface with a PC. |
| **Slave Device:** | In Modbus communication, a Slave Device only receives a Request Packet from a Master Device and responds to the request. A Slave Device cannot initiate communication. |
| **Swell:** | A voltage quality event during which the RMS voltage is higher than normal for a period of time, typically from 1/2 cycle to 1 minute. |
| **TDD:** | The Total Demand Distortion of the current waveform. The ratio of the root sum-square value of the harmonic current to the maximum demand load current. |
| **THD:** | Total Harmonic Distortion is the combined effect of all harmonics measured in a voltage or current. The THD number is expressed as a percent of the fundamental. For example, a 3% THD indicates that the magnitude of all harmonic distortion measured equals 3% of the magnitude of the fundamental 60Hz quantity. |
| **Time Stamp:** | A stored representation of the time of an event. Time Stamp can include year, month, day, hour, minute and second and Daylight Savings Time indication. |
| **TOU:** | Time of Use. |
| **Voltage Imbalance:** | The ratio of the voltage on a phase to the average voltage on all phases. |
| **Voltage Quality Event:** | An instance of abnormal voltage on a phase. The events the meter will track include sags, swells, interruptions and imbalances. |
| **VT Ratio:** | The Voltage Transformer Ratio is used to scale the value of the voltage to the primary side of an instrument transformer. Also referred to as PT Ratio. |
| **Voltage, Vab:** | Vab, Vbc, Vca are all Phase-to-Phase voltage measurements. These voltages are measured between the three phase voltage inputs to the meter. |
| **Voltage, Van:** | Van, Vbn, Vcn are all Phase-to-Neutral voltages applied to the monitor. These voltages are measured between the phase voltage inputs and Vn input to the meter. Technologically, these voltages can be "measured" even when the meter is in a Delta configuration and there is no connection to the Vn input. However, in this configuration, these voltages have limited meaning and are typically not reported. |