



## Grid Solutions

### MM300 Platform

# MM300 Enhanced Motor Management System

## Release Notes

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### Summary

GE Grid Solutions releases firmware version 2.20 for the MM300 Enhanced Motor Management System. This firmware is specific to the MM300 Enhanced product and does not affect other devices within this platform.

When using firmware version 2.20, EnerVista Flex 1.40 or above must be used.

Highlights of this release include:

### 2.10 Firmware Version

#### MM300 Enhanced Motor Protection System

- Graphical Control Panel LED colors are now configurable
- New Logical Nodes added to IEC 61850
- Forward and Reverse limit elements added to FlexLogic PSL
- New operands added to Any Alarm
- Fixed an issue related to Virtual Outputs signals MCC permissive element
- Fixed an issue related to Process interlock not behaving as expected
- Fixed an issue related to UnderCurrent element not behaving as expected
- Fixed an issue related to Thermal protection element information visualization

## 2.11 Firmware Version

### MM300 Enhanced Motor Protection System

- Fixed an issue related to Auto/Manual setting not being saved after reboot

## 2.20 Firmware Version

### MM300 Enhanced Motor Protection System

- Added a new setting in IEC 61850 that allows visualization of values out of range.
- Enabled the possibility of using the device without a Vaux input in case no IOC boards are mounted, and as long as the UVR functionality is disabled.
- Added a flexmapping feature to facilitate a retrofit of MM2

New MM300 Enhanced Motor Management System firmware can be downloaded from the link below:

[MM300 Motor Management System - Software \(gegridsolutions.com\)](https://www.gegridsolutions.com/Products/Software/IEC61850-61850-3-61850-4-61850-5-61850-6-61850-7-61850-8-61850-9-61850-10-61850-11-61850-12-61850-13-61850-14-61850-15-61850-16-61850-17-61850-18-61850-19-61850-20-61850-21-61850-22-61850-23-61850-24-61850-25-61850-26-61850-27-61850-28-61850-29-61850-30-61850-31-61850-32-61850-33-61850-34-61850-35-61850-36-61850-37-61850-38-61850-39-61850-40-61850-41-61850-42-61850-43-61850-44-61850-45-61850-46-61850-47-61850-48-61850-49-61850-50-61850-51-61850-52-61850-53-61850-54-61850-55-61850-56-61850-57-61850-58-61850-59-61850-60-61850-61-61850-62-61850-63-61850-64-61850-65-61850-66-61850-67-61850-68-61850-69-61850-70-61850-71-61850-72-61850-73-61850-74-61850-75-61850-76-61850-77-61850-78-61850-79-61850-80-61850-81-61850-82-61850-83-61850-84-61850-85-61850-86-61850-87-61850-88-61850-89-61850-90-61850-91-61850-92-61850-93-61850-94-61850-95-61850-96-61850-97-61850-98-61850-99-61850-100)

**Please contact your local GE Sales Representative or Customer Service Department (CST) with any questions.**

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## Release Details

A revision category letter is placed to the left of the following descriptions. Refer to the Appendix at the end of this document for additional details.

### Multilin MM300 Enhanced Platform - 2.10 Firmware Version Release Details

#### Enhanced Motor Management System

##### **E Graphical Control Panel enhancements**

- Configurable LED colors
- Text corrections in the Summary screen
- Target screen fix for Alarm messages

##### **E New Logical Nodes added to IEC 61850**

- Motor Running Hours
- Number of Motor Starts
- Analog values read by RTD
- CURRENT METERING - MOTOR LOAD
- Internal Temperature Alarm
- Thermistor Analog Signal
- Transfer Time Analog Signal

##### **E Forward and Reverse limit elements added to FlexLogic PSL**

- Forward and Reverse limit elements are now configurable in FlexLogic PSL

##### **E New operands added to Any Alarm element**

- Process Interlock Int Alarm
- Open/Short RTD Alarm

##### **P Fixed an issue related to Virtual Outputs signals MCC permissive element**

- Added Virtual Outputs signals for MCC permissive function

##### **P Fixed an issue related to Process interlock not behaving as expected**

- Fixed Process Interlock element to block the device start when set as Stop

##### **P Fixed an issue related to UnderCurrent protection element not behaving as expected**

- Fixed UnderCurrent element latched functionality

##### **P Fixed issue related to Thermal protection element information visualization**

- Fixed Thermal protection element Time to trip information visualization in EnerVista Flex and Graphical Control Panel

## Multilin MM300 Enhanced Platform - 2.11 Firmware Version Release Details

### Enhanced Motor Management System

- P** Fixed an issue related to Auto/Manual setting not being saved after reboot
  - Fixed Auto/Manual selection so that whatever setting the device is on before rebooting, it will be there after rebooting as well.

## Multilin MM300 Enhanced Platform - 2.20 Firmware version Release Details

### Enhanced Motor Management System

- P** Fixed an issue related to 2W configuration where status read Drive Unavailable instead of Stopped
  - Corrected drive unavailable message in 2W configuration
- P** Fixed an issue related to STOP command freeze after a UVR under particular circumstances
  - Improvement in UVR function performance and correction of STOP command freezing issue
- E** Fixed a cosmetic issue where the precontactor time looped in GCP visualization
  - Corrected cosmetic issue of precontactor time showing a loop in sequential starter in GCP
- P** Added a failsafe to prevent I/O boards from being vulnerable to losing serial number and calibrations during upgrade procedure
  - Failsafe introduced to allow recovering IO boards S/N and calibration on failed upgrade
- P** Fixed an issue related to alarm for ground fault protection not resetting after the same function has also tripped
  - Corrected ground fault alarm not resetting after ground fault trip

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## Appendix

### Change categories

This document uses the following categories to classify the changes.

**Table 1: Revision Categories**

Code	Category	Comments
<b>N</b>	New feature	A separate feature added to the relay. Changes to existing features even if they significantly expand the functionality are not in this category
<b>G</b>	Change	A neutral change that does not bring any new value and is not correcting any known problem
<b>E</b>	Enhancement	Modification of an existing feature bringing extra value to the application
<b>D</b>	Changed, incomplete or false faceplate indications	Changes to, or problems with text messages, LEDs and user pushbuttons
<b>R</b>	Changed, incomplete or false relay records	Changes to, or problems with relay records (oscillography, demand, fault reports, etc.)
<b>C</b>	Protocols and communications	Changes to, or problems with protocols or communication features
<b>M</b>	Metering	Metering out of specification or other metering problems
<b>P</b>	Protection out of specification	Protection operates correctly but does not meet published specifications (example: delayed trip)
<b>U</b>	Unavailability of protection	Protection not available in a self-demonstrating way so that corrective actions could be taken immediately
<b>H</b>	Hidden failure to trip	Protection may not operate when it should
<b>F</b>	False trip	Protection may operate when it should not
<b>B</b>	Unexpected restart	Relay restarts unexpectedly

The revision category letter is placed to the left of the change description.

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## For Further Assistance

For product support, contact the information and call center as follows:

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