GE Digital Energy

End-of-Life Notice
Multilin LM10 Motor Protection System

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Background

GE Digital Energy is announcing the discontinuation of the Multilin LM10 Motor Protection Relay.

Customers may continue to place orders for the Multilin LM10 until September 30, 2013. Customers that place orders, on or after October 1st, 2013, will be contacted by the GE Multilin customer sales & service team and advised of available alternative products for their particular applications (where available).

Continuation of Support

GE will continue to provide repair and support for the next 3 years based on the availability of components and parts.
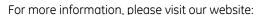
Recommended Alternative Products

GE's advanced Multilin multi-function digital protection and control relays offer a cost-effective and flexible solution to GE's Multilin LM10 relay.

In particular, GE's **Multilin MM300 & MM200 Motor Management System** devices offer advanced features and more capabilities to address the requirements and needs previously met by the LM10. By combining several functions such as advanced communications, automation, control and metering capabilities all in one device, the MM300 & MM200 Motor Management Systems provide significant capabilities and application flexibility.

Multilin MM300 – Comprehensive Low Voltage Motor Management

The Multilin MM300 Motor Management System integrates protection, control, automation, metering, diagnostics, and multiple communication protocols all in a rugged compact device for low voltage motor protection & control applications. Designed for NEMA and IEC Motor Control Centers, the MM300 delivers superior protection and control to extend motor life and maximize process uptime.

For more information, please visit our website:

http://www.gedigitalenergy.com/multilin/catalog/mm300.htm

Multilin MM200 Motor Management System

The Multilin MM200 integrates protection, control and multiple communications capabilities in a rugged and compact device for low voltage motor applications. Easily integrated into new and existing control system architectures, the MM200 provides comprehensive low voltage motor protection and communications for most low voltage motors in industrial applications
For more information, please visit our website:
http://www.gedigitalenergy.com/multilin/catalog/mm200.htm

Feature Comparison:

Model No.	MM300	MM200	LM10
CONTROL & AUTOMATION FEATURES			
Starter Types	FVNR, FVR, Two Speed, Wye Delta, RVSS, VFD	FVNR, FVR, Two Speed	FVNR, FVR, Two Speed, RVSS
Programmable Logic	**512 Lines**	N/A	N/A
Process Interlocks	10 x N/O & N/C	N/A	N/A
Timers	**30 Timers**	N/A	N/A
LCD Display	3.5" 320 x 240 Graphic Softkeys & 10 LEDs **USB Connection**	N/A	4x16 LCD Screen Navigation keys LED Status
Control Panel	Motor control, reset, auto & manual Keys LED Status **Inc % Motor Load**	Motor control, reset, auto & manual Keys LED Status **Inc % Motor Load**	N/A
Control Power	**60-300vac 84-250vdc**	60-300vac (June 08) 24vdc	120vac
Undervoltage Restart	**Programmable dropout / pickup 3 Functions**	N/A	Restart on power loss of < 4 seconds

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Feature Comparison Continued:

Model No.	MM300	MM200	LM10
METERING & PROTECTION FEATURES			
Standard Metering	Phase & Ground, Control Voltage, kW, kVA, KVArs, Hz, PF	Phase & Ground	Phase & Ground PF, kW
Optional Metering	3 Phase Voltage (option)	N/A	N/A
Energy	MWh & MVArh consumption	N/A	kWh
Thermal Protection	15 Standard Curves RTD bias (option)	15 Standard Curves	NEMA Curves
Current Protection	Under Current Unbalance, Stalled Rotor	Under Current Unbalance, Stalled Rotor	Unbalance, Stalled Rotor
Voltage Protection	Aux Undervoltage 3 Phase Undervoltage (option) 3 Phase Overvoltage (option) Phase Reversal (option)	N/A	Aux Undervoltage
Power Protection	Under Power	N/A	N/A
Temperature Protection	1 Thermistor 6 RTD (option)	1 Thermistor	N/A

Model No.	MM300	MM200	LM10
COMMUNICATION FEATURES			
Protocols Supported	Simultaneous Modbus RTU Modbus TCP Fieldbus (PB or DN)	Simultaneous Modbus RTU Fieldbus (PB or DN)	DeviceNet
Baud rate	Max 115,200	Max 115,200	N/A
Ethernet Modbus TCP/IP	10/100BaseT Up to 5 virtual connections Network Time Sync	N/A	N/A
Profibus	up to 1.5M bps	Up to 1.5M bps	N/A
DeviceNet	125, 250 & 500 kps	125, 250 & 500 kps	125, 250 & 500 kps
RS232 Interface	Via Accessory	Via Accessory	N/A
USB Interface	Via Graphic Panel or Accessory to base unit	Via Accessory	N/A
Security	Password	Password	N/A

Model No.	MM300	MM200	LM10
DIAGNOSTICS			
Event Recorder	256 Recorded Events 1mS Timestamp	Last Trip	Last 10 Trips
Waveform Capture	32 samples / cycle 64 cycles total 5 cycle pre storage	N/A	N/A
Motor Learned Data	Averages last 5 motor starts Minimizing restart time	N/A	N/A
Data Logger	Yes	N/A	N/A
Trip Counters	Yes	Yes	Yes
UVR Restarts	Yes	N/A	N/A

Should you require any additional information or support, please contact our dedicated Multilin Technical Support Team.

Multilin technical support

Multilin contact information and call center for product support is shown below:
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