

# MM300 Motor Management System

## Revision 1.21 Release Notes

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### Overview

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#### Summary

GE Multilin releases firmware version 1.21 for the MM300 Motor Management System that introduces enhancements to the MM300. Highlights of this release include:

- DeviceNet ODVA (Open DeviceNet Vendors Association) Compliant
- Internally Powered Profibus Communications

This document contains the release notes for the 1.21 release of the MM300 Motor Management System.

- Affected product: MM300 Motor Management System
- Date of release: June 11, 2008
- Firmware revision: 1.21

The version 1.21 release is compatible with the EnerVista MM300 Setup software versions 1.30 and higher.

In the following enhancement descriptions, a revision category letter is placed to the left of the description. Refer to the Appendix at the end of this document for a description of the categories displayed.

## Enhancements

N

### **DeviceNet ODVA (Open DeviceNet Vendors Association) Compliant**

The MM300 DeviceNet communications has been certified to be ODVA (Open DeviceNet Vendors Association) compliant. These enhancements to the MM300 DeviceNet communications provide assurance that the MM300 is built to ODVA specifications and can be integrated into DeviceNet networks that require ODVA compliant devices.



N

### **Internally Powered Profibus Communications**

The MM300 Profibus communications has been enhanced to allow the MM300 Profibus communication card to be powered internally. Prior to this release it was required that the Profibus network or an external power supply provide power to the MM300 Profibus communication card in order to communicate over the Profibus network.

E, C

### **Customizable Profibus Input Data Size**

The MM300 Profibus communications has been enhanced to allow customization of the Input data size provided to the Profibus master from the MM300. Prior to this release the Input data size was fixed and non-modular.

E, C

### **Profibus Output Data Size**

The MM300 Profibus communications has been enhanced to reduce the size of the Output data, removing reserved bytes. This reduces the memory size requirements for any Profibus master used to communicate with the MM300. Prior to this release the Output data was fixed at 120 Words.

N, C

### **DeviceNet Poll Output Data Commands**

The MM300 DeviceNet communications has been enhanced to provide the capability to receive commands from a DeviceNet master via polled Output data. Prior to this release it was not possible to send commands to the MM300 via DeviceNet polled Output data communications.

## Change categories

This document uses the following categories to classify the changes.

**Table 1: Revision categories**

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

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

## GE Multilin technical support

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