

MM2 Motor Protection System

Firmware 5.22 Release Notes

GE Publication Number: GER-4333A

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Overview

Summary

GE Multilin releases firmware version 5.22 for the MM2 Motor Protection System that introduces enhancements to the MM2. Highlights of this release include:

MM2 Motor Protection System

U

MMII Motor Protection System Programming through the Front Keypad

MMII firmware version 5.22 has been released to address programming issues related to programming the MMII through the front panel.

In MMII firmware version 5.21, when programming the MMII through the front panel and the VALUE DOWN key is used to change a value, an incorrect value is stored in the relays internal memory when power is cycled to the relay. The incorrect setpoint value error is detected during the power-up sequence of the MMII.

This incorrect programming of the relay through the front panel does not affect MMII relays that are programmed using the MMII setup software.

MMII firmware version 5.22 corrects firmware version 5.21 programming issues related to the front panel.

For further information regarding MMII firmware 5.21 issue, please refer to Product Notification GER-4334.

P

Disabling Undervoltage, Overvoltage & Underpower through the Front Panel (Updates from FW v5.21)

In release 5.22 the MM2 firmware for the alarm and trip elements has been enhanced to correctly disable the voltage elements when programming the MM2 via the front display.

Prior to release 5.22, the alarm and trip elements for Undervoltage, Underpower and Overvoltage would remain active when disabling these settings through the front panel. When programming the MM2 using the Energista setup software the alarm and trip elements would program the correct value.

E

Switch Input Circuit Failure Detection Enhancement (Updates from FW v5.21)

The MM2 firmware has been enhanced in release 5.22 to detect additional fault conditions in the switch input circuitry. Failures in the common circuitry can now be detected and trip the relay.

This document contains the release notes for release 5.22 of the MMII Motor Protection System.

- Affected product: MMII Motor Protection System
- Date of release: March 30, 2009
- Firmware revision: 5.22

The version 5.22 release is compatible with the EnerVista MM2 Setup software versions 5.20 and higher and is backwards compatible with all earlier firmware versions.

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

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

GE Multilin
215 Anderson Avenue
Markham, Ontario
Canada L6E 1B3

Telephone: 905-294-6222 or 1-800-547-8629 (North America), +34 94 485 88 00 (Europe)

Fax: 905-201-2098 (North America), +34 94 485 88 45 (Europe)

E-mail: multilin.tech@ge.com

Home Page: <http://www.GEmultilin.com>