



GE Digital Energy

MIVII Digital Voltage and Frequency Relay

Revision 4.03 release notes

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Overview

Summary

GE Multilin releases the 4.03 firmware version for the MIVII Digital Voltage and Frequency Relay. Highlights of this release include:

- New LTU value upgrading function.
- Enhancement in frequency protection functions for MIVII2000 and MIVII3000.

This document contains the release notes for the 4.03 release of the MIVII Digital Voltage and Frequency Relay.

- Affected product: MIVII2000 and MIVII3000 Digital Voltage and Frequency Relays with 4.01 and 4.02 firmware versions.
- Date of release: August 26th, 2008.
- Firmware revision: 4.03.

Description

The version 4.03 release is compatible with the EnerVista MII Setup 2.41 and higher.



In the following change 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

Communications

N

New LTU directions

Version 4.03 includes a function to upgrade the values of the LTU to their corresponding Modbus directions.

Protection

F

Frequency Protection Enhancement

In versions 4.01 and 4.02 of MIVII2000 and MIV3000, delivered between July 2005 and August 2008, if the frequency protection functions are enabled, the time delay is set to zero seconds and with heavy noise in the line, when the relay is powered up there is a remote chance of having an undesired trip.

Version 4.03 includes an enhanced frequency protection filter in order to guarantee a secure protection even under extreme conditions.



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 programmable buttons.
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 specifications or other metering problems
P	Protection out of specifications	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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