

469 Motor Protection System

Revision 5.01 Release Notes

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Overview

Summary

GE Multilin releases version 5.01 of the 469 Motor Protection System firmware that introduces enhancements to the 469 Relay. Highlights of this release include:

- Analog Output Calibration
- Short Circuit Trip Algorithm
- Message Scratchpad Text Information

This document contains the release notes for the 5.01 release of the 469 Motor Protection System.

- Affected product: 469 Motor Protection System
- Date of release: November 6, 2007
- Firmware revision: 5.01

The version 5.01 release is compatible with the EnerVista 469 Setup software versions 4.00 and higher and is backwards compatible for previous versions of 469 hardware that support 4.00 firmware.

It is only required to update to the newest firmware version should the user require any of the features documented in this release. If these features are not required, then upgrading is not necessary.

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

P

Analog Output Calibration

Modifications have been implemented to the analog outputs to ensure operation within published documentation. In rare cases, prior to this release analog output calibration was susceptible to operation outside of published documentation if control power was cycled to the unit. With this release analog output calibration has been corrected.

All required upgrades can be performed in the field or returned to GE Multilin for service.

E

Short Circuit Trip Algorithm

Further enhancements have been made to the short circuit trip algorithm providing increased protection. With this enhancement, in conditions where the saturation current exceeds 3PU the relay will detect and trip according to published specifications.

D

Message Scratchpad Text Information

Message scratchpad text information has been improved and the storing of this information has been assigned to non-volatile memory. All message scratchpad information will remain in the relay even through power cycles.

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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