



469 Motor Management Relay Release Notes

GE Publication Number: GER-4016

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Overview

Summary

- Affected products: 469-B Motor Management Relay
- Date of release: April 15, 2004
- Firmware revision: 2.90
- Hardware revision: G
- Boot code revision: 2.20

Release summary

GE Multilin has released version 2.90 of the 469 Motor Management Relay with an enhanced undervoltage element that allows customers to select single-phase or three-phase undervoltage conditions for a trip. The new firmware revision applies for the basic 469-B relays.

GE Multilin technical support

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Release details

Modified features

Firmware: new firmware version

New firmware version 2.90 has been released.

Undervoltage: enhancement of the undervoltage element

The Undervoltage Element has been enhanced to increase security and avoid tripping for VT Fuse Failure. An additional undervoltage trip setpoint named **UNDervOLTAGE TRIP MODE** has been implemented. It has two possible values: "1-Phase" for single-phase trips and "3-Phase" for three-phase trips. The factory default setting for this new setpoint is "1-Phase".

If **UNDervOLTAGE TRIP MODE** is set to "3-Phase", the decision for tripping will be based on the greatest of the three voltages; a Trip will only be issued if the voltage in the three phases is less than the Trip threshold.

If **UNDervOLTAGE TRIP MODE** is set to "1-Phase", the decision for tripping will be based on the lowest of V_{ab} , V_{bc} , or V_{ca} . A Trip will be issued if the phase-to-phase voltage is less than the Trip threshold.

In the event of an asymmetrical system problem causing a single phase undervoltage, or in the case of a fuse blown in one phase only, the relay will generate an undervoltage alarm, if enabled. If the **UNDervOLTAGE TRIP MODE** is set to "3-Phase", the relay will not trip on undervoltage for such a condition. In the case of a true unbalance, other protective functions of the relay (such as current unbalance) will disconnect the motor.

Motor Starting: learned motor start data feature has been enhanced

The learned motor start data feature has been enhanced. The data is logged for starts as fast as 0.5 seconds.

Event Recorder: tachometer reading fixed

The tachometer reading zero in the enerVista 469 Setup event recorder has been fixed.

Instruction manual changes

New instruction manual publication number

The basic 469 relay instruction manual has been updated to publication number GEK-106289D.

Updates to the instruction manual

Section 4.10.1: Undervoltage has been updated to include the new undervoltage setpoint and description.