



# **B90 Bus Differential Relay**

## **Revision 3.06 release notes**

**GE Publication Number: GER-4050**

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## **Overview**

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### **Summary**

- Affected products: B90 Bus Differential Relay
- Date of release: April 11, 2005
- Firmware revision: 3.06
- Boot code revision: 1.13

### **Release summary**

This document contains the release notes for the 3.06 release of the B90 Bus Differential Relay series firmware.

New features and modifications to existing features listed in the following section with corresponding revision categories and reference numbers.

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 code letter is placed to the left of the description. An internal GE reference number is placed to the right of the description. This number may be used to reference the modification when contacting GE Multilin.

## GE Multilin technical support

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

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## Release details

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### Existing features modified

- C** **Communications: TFTP server problems with Option Acknowledgement frames fixed** 16938
- The UR-series TFTP server sends two extra random bytes at the end of Option Acknowledgement frames. In previous releases, the TFTP server would abort file transfers depending on the value of the two extra bytes. TFTP clients that do not use TFTP option frames (e.g. transfer size, block size, timeout) do not see this problem. The 3.06 releases fixes this issue.