



# Electromagnetic Industries LLP

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**Subject: BGFL/GFP/GFPV Relay and Sensor Compatibility**

**ISSUE:**

Electromagnetic Industries has received reports of GFP Ground Fault Relays not tripping at the appropriate level.

**Findings:**

During our investigation it was discovered that the sensor used in these installations was not compatible with the relay. In these particular installations, the brand name "Electric Metering Corp" (who also go by ElectroMagnetic Corp) sensors were being used.

Please note: Electromagnetic Industries is not, nor has ever been associated with Electric Metering Corp/ElectroMagnetic Corp.

Furthermore, Electric Metering Corp does not produce Ground Fault Relays and the UL file number listed on their device is for Instrument Transformers only.

The GFP Relay was designed to be used with the Electromagnetic Industries GFL Series Sensor. It is also compatible with the ITI GFL Sensor.

Use of any other sensor by any other manufacturer may cause the relay to not operate properly, resulting in a danger to personnel and damage to equipment.

Electromagnetic Industries will not be responsible for any damages due to use of a competitors sensor/CT.

**Proper Installation:**

The GFP, BGFL and GFPV Relays require the appropriate sensor for proper operation. These sensors must be the GFL Series manufactured by Electromagnetic Industries or ITI, and be of the appropriate Trip Current Range that matches the Relays Trip Current Ratings.

See Electromagnetic Industries Sales Literature for Sensor Selection.

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