

Product Bulletin 2012-1

Subject: Model GFP Relay Applications



ISSUE:

Electromagnetic Industries has made a change to the design of the GFP relay to allow greater flexibility in more wiring scenarios. Although the operation of the GFP will not change, when properly installed, there may be differences when powering up the relay on the test bench.

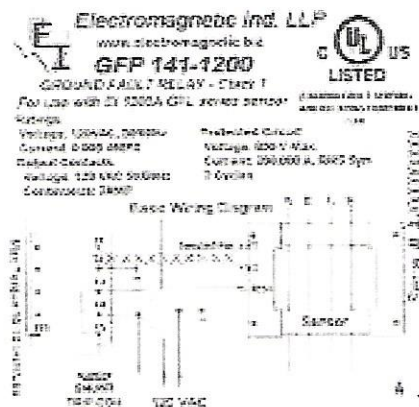
Prior to this Product Bulletin, the GFP units were manufactured with terminals 2 and 3 internally connected allowing for either one to be connected to ground and still allow for proper operation.

The terminals 2 and 3 are now isolated from each other and terminal 2 must be connected to ground for the unit to power up. This allows the relay to have the Normally Open contacts completely isolated from the sensing circuit for applications that require this.

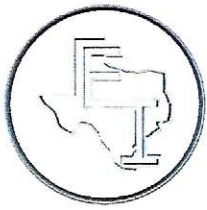
We know of no existing application where our GFP or BGFL are used that would not also operate properly with the new GFP configuration. However, if there are, the new units can still be used by simply putting a jumper between terminals 2 and 3.

Identifying units with the internal connection:

All of the units with the isolated contacts will have an "A" located in the lower right hand corner of the label. (See label below) You can also check by simply measuring continuity between terminals 2 and 3. If there is a short indicated, the unit was manufactured prior to this change.



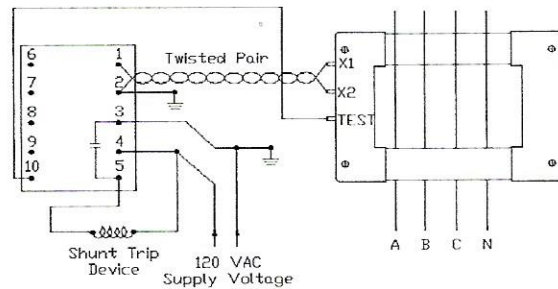
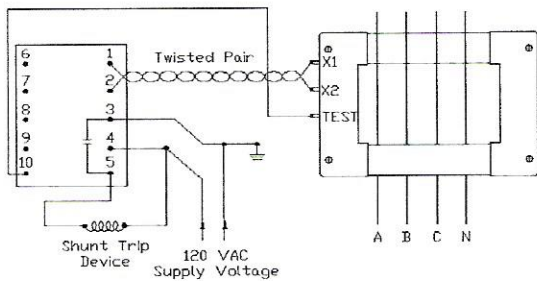
"A" indicating isolated contacts



Typical Wiring Diagram:

Below are the diagrams of the original and new applications for the GFP (with the isolated relay contacts).

Original GFP Typical Wiring Diagrams



New Optional GFP Wiring Diagrams

(Note: The original Typical Wiring Diagram can still be used)

