

GFM-100 Battery Ground Fault Monitor



GFM-100 Monitor

Product Overview

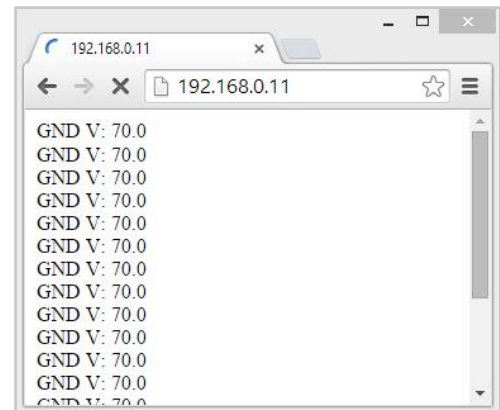
The Eagle Eye GFM-100 Ground Fault Monitor is an easy-to-use, inexpensive & real-time solution for monitoring battery ground faults. The GFM-100 works for 24V, 48V, 125V and 250V applications, and reads battery bus status, detects out-of-limit conditions, and provides alarm indications per user settings. The monitor's status, under voltage and over voltage trip values, ground fault, time delay, and IP address settings are easily accessible on the user-friendly color touchscreen interface. Modbus protocol is available on all units. Installation of the GFM-100 Ground Fault Monitor is simple - it can be installed as a wall, panel, or DIN rail unit, and includes a mounting kit for DIN rail or wall mounts.

Features

- Color touchscreen simple interface
- Ethernet connectivity to web interface, (4) Form C Contacts
- Modbus TCP/IP output for all measured parameters
- Simple installation with mounting kit for DIN rail or wall mount
- Monitors 24V, 48V, 125V, & 250V batteries

Applications

- Power Utilities
- Telecommunications
- Mission Critical Facilities
- UPS Systems
- Power Generation & Distribution



Web-Interface for Monitoring

Technical Specifications

Measurement Range:	Battery Voltage: 17.5-28, 40-56, 90-150, 180-300 VDC Fault Resistance Limit Set: 1 – 100 kOhm
Fault Resistance Limit Set:	1 – 100 kOhm
Output Contacts:	(4) Form C
Contact Rating:	125 VAC/VDC: 0.5A 30VDC: 2A
Maximum Switching Power:	60 W
Power requirements:	Powered by connected battery DC voltage
Noise Immunity:	IEEE/ANSI Standard C 37.90a-1989 compliance
Time Delay to Alarm:	Adjustable 1 – 999 seconds
Operating Environment:	Temp: 0 – 55°C (32 – 131°F), Humidity: 0 – 95% RH
Dimensions / Weight:	147 x 91 x 45 mm (5.77 x 3.56 x 1.77 in) / 284 g (10 oz)

The GFM-100 Includes

- GFM-100 unit (for 24V, 48V, 125V or 250V)
- DIN rail mounting clip
- Backplate for wall mounting
- User Manual

Ordering Information

No.	Model #	Description
1	GFM-100-XXX	Ground Fault Monitor, available for 24V, 48V, 125V, or 250V

1) Determine part number for required voltage, Ex. GFM-100-XXX would be GFM-100-125 for 125V applications.