

 **Raptor**
Ground Fault
Monitor

The Ground Fault Monitor (GFM600-2) sounds an alarm when there is potential for ground current leakage by measuring the impedance of a battery's plus and minus terminals to chassis/frame ground. Our ground fault monitor keeps track of a battery string plus and minus bus in relationship to the potential for approaching a grounded condition. Through local annunciation and relay interface, the GFM600-2 keeps users informed about the ground fault condition of the battery and provides notification of potential ground current conditions.

The alarm threshold can be adjusted to user defined limits, enabling users to tailor the GFM to their specific application. The GFM600-2 has three Form C output relays, one status/summary and two for ground fault, making it capable of being monitored by two remote monitoring systems.

Features

- Monitors a battery's (+) and (-) terminals in relation to the potential for approaching a grounded condition
- Designed to monitor a "floating" battery string
- Adjustable alarm threshold
- Internal power supply

Benefits

- Proactive notification of the battery bus relative to chassis ground
- Ideal for DC power stations
- Customizable for specific monitoring applications
- No need to purchase an additional power supply

Integration

Ground Fault Monitor Specifications

Power	120/230-240VAC @ 500mA max.; hardwired power supply
Input Voltage (to sensor)	0-600VDC
Fuse	KTK-R-1
Outputs	
Relay	3 Dry Contacts; Form C; 1A @ 24VDC, 0.5A resistive @120VAC (1 Status/Summary, 2 Ground Fault)
DC Ground Fault	Resistance: 1K-99K Alarm Range: 1K-99K
Alarm Notification	
Audible Alarm	85dBA @ 2ft (0.61m)
Front Panel Interface	
Switches	Alarm Silence: 1 (on/off)
LED Indicators	Power: 1 green (on/off); Ground Fault: 1 red; Status: 1 green; DC Fail: 1 red; Alarm Silenced: 1 yellow
Push Buttons	Reset: 1
Operating Environment	
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000ft (4,572m) max.
Storage Environment	-4°F to 158°F (-20°C to 70°C)
Dimensions	12.0"W x 14.0"H x 4.0"D (305mmW x 356mmH x 102mmD)
Weight	10.0 lbs. (4.54kg)
Enclosure	Type 1 steel powder coated
Mounting	Vertical wall mount
Certifications	ETL listed: conforms to UL STD 61010A-1, EN STD 61010; certified to CAN/CSA C22.2 STD NO. 1010.1

