



# BGD

## BATTERY GROUND DETECTOR



- High Reliability
- High Input Impedance
- Simple Installation
- Single and Dual Output Models
- Monitors 24 V, 48 V, 125 V, and 250 V batteries

Battery Ground Detectors supply contact closures for alarm indications at precise ground fault resistance settings. Once a transient is detected, the LED indicator will light and remain illuminated until the unit is reset. The BGD-2 is designed to prevent damage and incorrect operation during anticipated transient conditions. The BGD-3 model is designed with the same features as the BGD-2 but includes a second output.

The Battery Ground Detector features top mounted terminals for easy access to electrical connections. Also located on the top exterior are the unit Reset switch and the Time Delay setting pot with a locking bushing. The relay can be securely mounted through four holes located on the base of the unit.

### ORDERING INFORMATION

Part No.	Model	Nominal V	Type
999B255	BGD-2	125 Vdc	Single Output
999B256	BGD-2	24 Vdc	Single Output
999B257	BGD-2	48 Vdc	Single Output
999B258	BGD-2	250 Vdc	Single Output
999C041	BGD-3	125 Vdc	Dual Output
999C042	BGD-3	48 Vdc	Dual Output
999C043	BGD-3	24 Vdc	Dual Output
999C044	BGD-3	250 Vdc	Dual Output

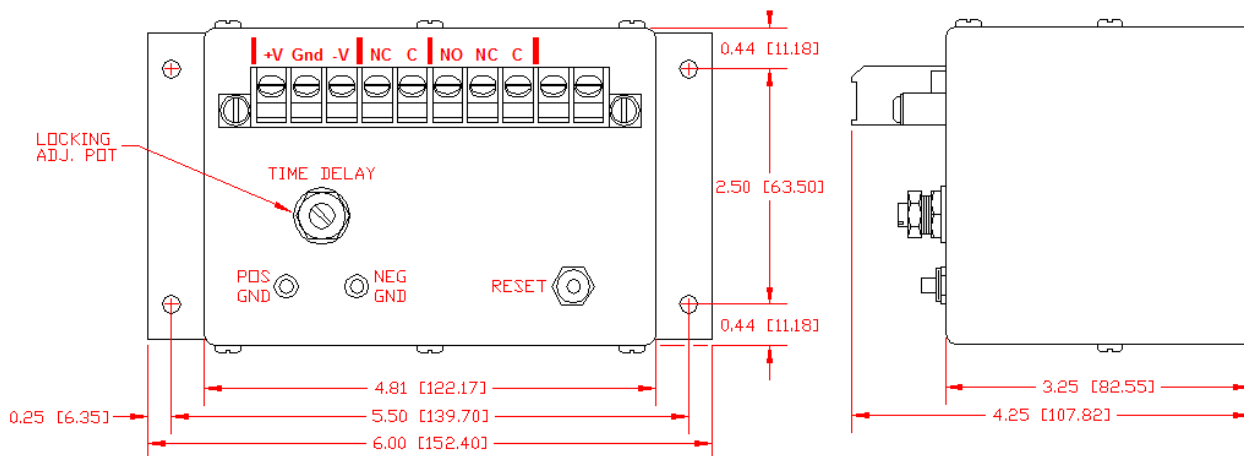
999A832 DIN Rail Mounting Clip for standard 32-35 mm rail



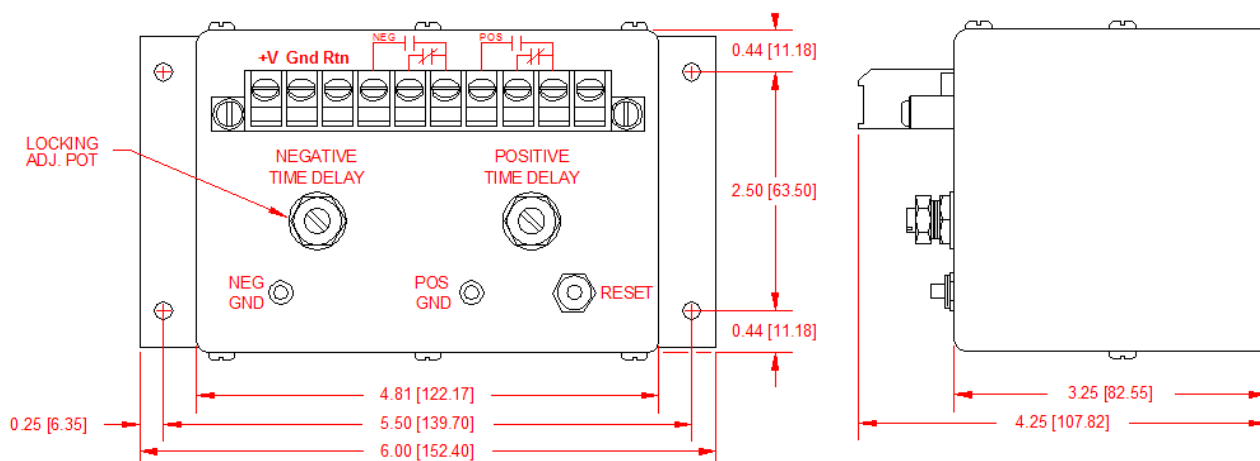
## SPECIFICATIONS

Battery Voltage Ranges	90-155 V, 20-28 V, 38-56 V		
Fault Resistance Limit Set	2 to 75 kOhm		
Factory Set	10 kOhm		
	1 Form C, 1 Form B		
Contact Rating	Resistive	Inductive	
	125 Vac	5 A	2.5 A
	30 Vdc	3 A	0.6 A
	<i>expected life - 5 x 10<sup>5</sup> operations at above ratings</i>		
LED	Positive Ground, Negative Ground		
Time Delay to Alarm	Adjustable 1 - 15 seconds		
Noise Immunity	IEEE/ANSI Standard C 37.90a -1989 compliance		
Case Dimensions	6.0 x 3.375 x 4.06 inches		
Case Material	Anodized Aluminum	Weight 1.0 - 1.5 lbs	
Temperature Range	Operating 0 - 55 C	Storage -54 to 71 C	
Humidity	0 to 95% R.H. non-condensing		
Vibration	0 to 2.5 g., Up to 25 Hz		

## DIMENSIONS



### P/N 999B255 - 999B258



### P/N 999C041 - 999C044