PGM-8134 SERIES

Ground Continuity Monitor

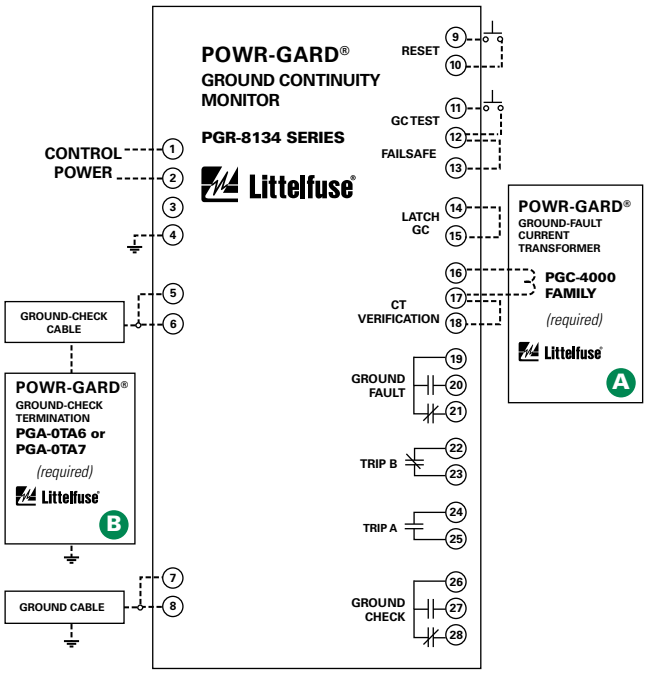
Description

The PGM-8134 is a microprocessor-based, combination ground-wire monitor and ground-fault relay for resistance-grounded or solidly grounded systems. It continuously monitors the integrity of the ground wire to protect portable equipment from hazardous voltages caused by ground faults. The PGM-8134 is field proven in monitoring trailing cables with pilot wire on large mobile equipment such as shore-to-ship power cables, dock side cranes, stacker-reclaimers, submersible pumps, and portable conveyors.

Features & Benefits

FEATURES	BENEFITS
Adjustable Pickup (0.5–12.5 A)	Unit can be used on a wide variety of trailing cable applications
Adjustable Time Delay (1–2.5 s)	Adjustable trip delay for quick protection and system coordination
Output Contacts	Separate annunciation of ground-fault and ground-check faults
Ground-Check LED Indication	Indication of open or short ground-check wire makes it easier to find faults
CT-Loop Monitoring	Alarms when CT is not connected
High-Induced-ac Rejection	Makes unit suitable for applications with high voltages and long cables
DFT (Harmonic) Filter	Prevents false operation
Zener-Characteristic Termination Assembly	Provides reliable ground-check loop verification
Fail-Safe Circuits	Ensures ground-check and ground-fault circuits remain safe even in the event of equipment failure
Conformal Coating	Additional coating protects circuit boards against harsh environment

Wiring Diagram



Accessories

A **PGC-4000 Ground-Fault Current Transformers**
Required zero-sequence current transformer detects ground-fault current.

B **PGA-0TA6 or PGA-0TA7**
Required termination assembly with convenient mounting holes. Temperature compensated.

Specifications

IEEE Device Numbers	Checking or Interlocking Relay (3GC), Ground fault (50G/N, 51G/N)
Input Voltage	60–265 Vac; 80–370 Vdc 15W
Dimensions	**H** 213 mm (8.4"); **W** 99 mm (3.9"); **D** 145 mm (5.7");
Trip Level Settings	0.5–12.5 A
Trip Time Settings	0.1–2.5 s
Contact Operating Mode	Selectable fail-safe or non-fail-safe
Harmonic Filtering	Standard feature
Test Button	Standard feature
Reset Button	Standard feature
Output Contacts	Isolated Form A, Form B and two Form C
Approvals	CSA certified to US and Canadian standards
Conformally Coated	Standard feature
Warranty	5 years
Mounting	Panel, Surface

Ordering Information

CATALOG/ SYSTEM NUMBER	CONTROL POWER
PGM-8134-00	60-265 Vac; 80-370 Vdc

ACCESSORIES	REQUIREMENT	PAGE
PGC-4000	Required	38
PGA-0TA6/PGA-0TA7	Required	42