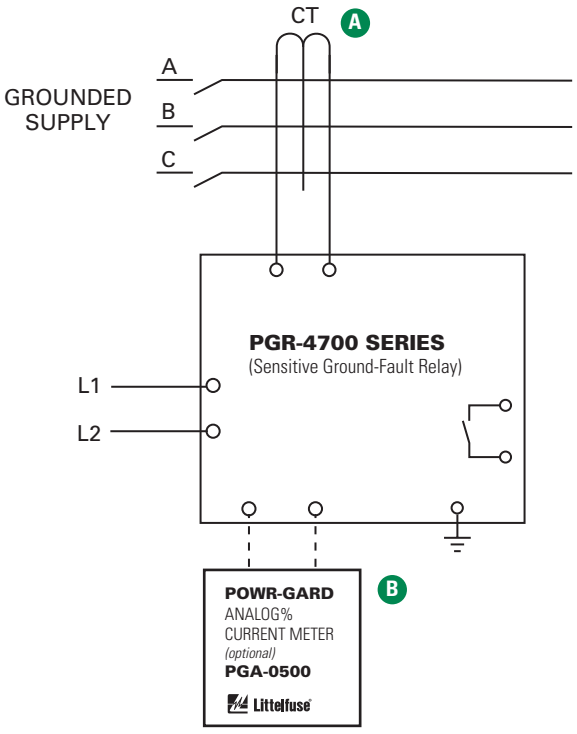
PGR-4700 SERIES (RCD300M2)

Sensitive Ground-Fault Relay



Simplified Circuit Diagram



Ordering Information

PGR-4700-24	24 Vdc Control Power
PGR-4700-120	120 Vac Control Power
PGR-4700-240[1]	240 Vac Control Power

Notes: 1. Not available with UL

Description

The PGR-4700 Sensitive Ground-Fault Relay provides sensitive ground-fault protection without nuisance tripping. It detects very low-level leakage current on large circuits to avoid or significantly reduce equipment damage. The leakages can be identified as they develop and ground faults can be detected before they become critical.

Applications

Ground-fault relays can be used for the protection of critical circuits in panel boards and switch boards, OEM power distribution panels and custom controls. They are typically used in critical load applications with costly downtime and hazards, such as high humidity, water, dust, chemicals, and vibration.

Features/Benefits

- Adjustable trip level settings from 10 mA to 3.0 A
- Advanced harmonic filtering
- Compatible with VFD applications
- Adjustable time delay
- Metering output with PLC interface for continuous monitoring of system
- CT loop monitoring

Accessories

A 

PGC-5000 Series Ground-Fault Transformer
Required zero-sequence current transformer specifically designed for low level detection. Flux conditioner is included to prevent saturation.

B 

PGA-0500 Analog % Current Meter
Optional panel-mounted analog meter displays ground-fault current as a percentage of the set-point.

Specifications

IEEE Device Numbers	50G, 50N, 51G, 51N
Input Voltage	See ordering information
Dimensions	**H** 75 mm (3.0"); **W** 55 mm (2.2"); **D** 115 mm (4.5")
Trip Level Settings	10 mA – 3.0 A
Trip Time Delay Settings	0–1.5 s
Contact Operating Mode	Selectable fail-safe or non-fail-safe (Internal switch)
Harmonic Filtering	Standard
Test Button	Standard
Reset Button	Standard
CT Loop Monitoring	Standard
Relay Contacts	2 Form C
Communications	Analog Output
Conformally Coated	Consult factory
Approvals	UL listed (E183688)
Warranty	5 Year
Mounting	DIN, Surface (Standard) Panel (with PMA-55 or PMA-60 adapter)

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