

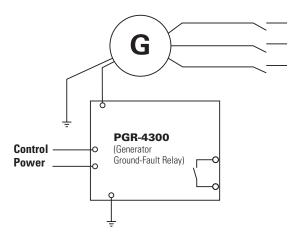
# PGR-4300 SERIES (GFA300)

### Generator Ground-Fault Relay





## **Simplified Circuit Diagram**



## **Ordering Information**

CONTROL POWER
12 Vdc
24 Vdc
120 Vac

ACCESSORIES	REQUIREMENT
PGA-0500	Optional
PMA-55	Optional
PMA-60	Optional

Note: For optional conformal coating please consult factory.

# **Description**

The PGR-4300 Generator Ground-Fault Relay provides a simple method for detecting a ground-fault condition on generators without the need for current transformers (CTs). This greatly simplifies the installation. In addition, it is compatible with both three- and four-pole transfer switches. This relay also monitors the neutral-to-ground path for continuity. The PGR-4300 is ideal for any generator or application where there is not sufficient space to install CTs.

#### **Features & Benefits**

FEATURES	BENEFITS
No CTs required	Saves space and simplifies installation
Adjustable pickup (100-1200 A)	Adjustable trip setting provides a wide range of protection and allows system coordination
Adjustable time delay (0-1.0 s)	Adjustable trip delay allows quick protection and system coordination
Output contacts	Form C ground-fault output contacts for alarming or tripping purposes
Analog output (0-1 mA)	Provides means for connecting to an optional meter (PGA-0500) or control system
N-G continuity alarm	Monitors neutral-to-ground integrity and alarms if ground path becomes open circuit
Passive filtering	Eliminates nuisance tripping

#### **Accessories**



Mounting

#### 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** Input Voltage **Dimensions Trip Level Settings** 100-1200 A **Trip Time Delay Settings Contact Operating Mode Test Button Reset Button Output Contacts Analog Output Conformally Coated Approvals** Warranty

Ground Fault (50G/N, 51G/N) See ordering information

**H** 75 mm (3.0"); **W** 55 mm (2.2"); **D** 115 mm (4.5")

0-1.0 s Non-fail-safe Local Local and remote Form C 0-1 mA

Consult factory UL Listed (E183688) 5 years

DIN, Surface (standard)

Panel (with PMA-55 or PMA-60 adapter)