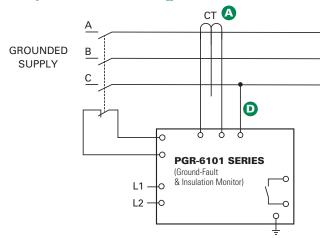


# PGR-6100 SERIES (GFR4000)

#### **Ground-Fault & Insulation Monitor**



### Simplified Circuit Diagram

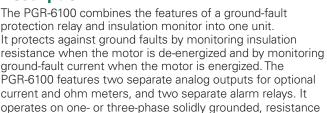


### **Ordering Information**

CONTROL POWER
120 Vac
240 Vac (1)
REQUIREMENT
Required
Required >1300 V
Optional
Optional

Note (1) - PGR-6100-240 ordering option is not UL Listed. For optional conformal coating please consult factory.

### **Description**



grounded and ungrounded systems up to 6 kV.

#### **Features & Benefits**

FEATURE	DENICITO
FEATURES	BENEFITS
Adjustable GF pickup (10 mA-3 A)	Trip setting provides a wide range of low-level protection and system coordination
Adjustable insulation pickup (250 k $\Omega$ -2 M $\Omega$ )	Customizable insulation resistance setpoints for maximum protection
Adjustable time delay (50 ms-1.0 s)	Adjustable trip delay for quick protection and system coordination
Output contacts	Two Form C output contacts for ground fault and insulation-resistance fault
Analog outputs (0-1 mA)	Two analog outputs indicate insulation resistance and ground-fault current
CT-Loop monitoring	Alarms when CT is not connected
Selectable contact operating mode	Selectable fail-safe or non-fail-safe operating modes allows connection to shunt or undervoltage breaker coil

#### **Accessories**



#### SE-CS30 Series Ground-Fault CTs

Required zero-sequence current transformer specifically designed for low level detection. Flux conditioner is included to prevent saturation.



# PGA-0500 Analog % Current Meter PGA-0510 Analog Ohm Meter

Optional panel-mounted meters display ground-fault current as a percentage of the set-point and insulation resistance.



#### **PGH Family High Tension Couplers**

Required (for systems >1,300 V) PGH Family high-tension coupler must be connected between the phase conductor and the PGR-6100.

## **Specifications**

**IEEE Device Numbers** Ground Fault (50G/N, 51G/N), Ground detector (64), Alarm Relay (74) **Input Voltage** See ordering information **Dimensions** H 75 mm (3"); W 100 mm (3.9"); D 115 mm (4.5") Response delay < 250 ms **Contact Operating Mode** Selectable fail-safe or non-fail-safe **Harmonic Filtering** Standard feature **Test Button** Standard feature **Reset Button** 

Test Button Standard feature
Reset Button Standard feature
CT-Loop Monitoring Standard feature
Output Contacts Two Form C
Analog Output 0-1 mA
Approvals UL Listed (E183688) (7)

 Approvals
 UL Listed (E18

 Warranty
 5 years

 Mounting
 DIN, Surface

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