

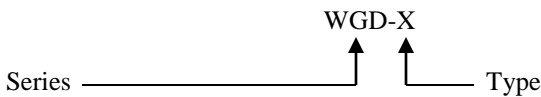


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Power Factor Relays

Ground Fault Detector, 3 Phase Relay WGD Series

ORDERING INFORMATION



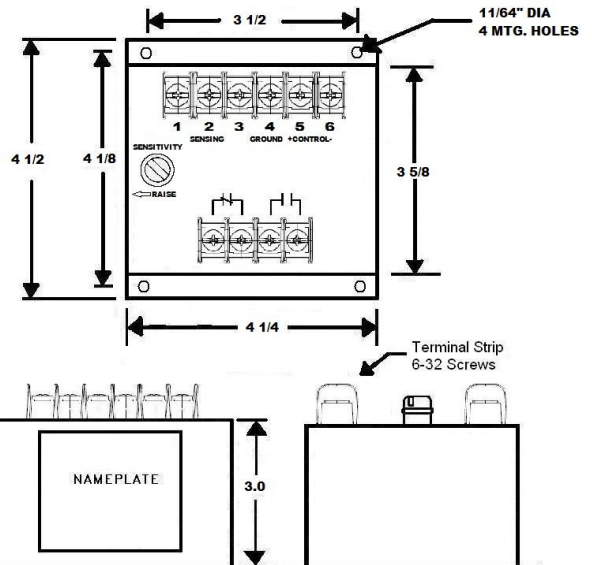
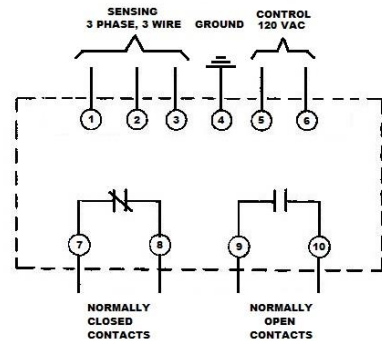
Type	Volts L-L	Trip Point Adj Phase to Ground
115-120AC	115	11-55 KΩ
120-120AC	120	12-60 KΩ
200-120AC	200	20-100 KΩ
208-120AC	208	21-105 KΩ
220-120AC	220	22-110 KΩ
230-120AC	230	23-115 KΩ
240-120AC	240	23-115 KΩ
380-120AC	380	38-190 KΩ
400-120AC	400	40-200 KΩ
416-120AC	416	42-210 KΩ
440-120AC	440	44-220 KΩ
460-120AC	460	46-230 KΩ
480-120AC	480	48-240 KΩ
525-120AC	525	52-260 KΩ
575-120AC	575	57-285 KΩ
600-120AC	600	60-300 KΩ

ELECTRICAL SPECIFICATIONS

Sensing Voltage ($\pm 10\%$)	3 phase, 3-wire. See order info
Control Voltage	120 Volts AC
Contacts Trip Points	Screwdriver adjustable. See order info
Pick-up Time Delay	1.5 seconds approximately
Contact Rating	5 amp. Resistive at 28 VDC or 120 VAC
Temperature Range	-40° C to + 65° C
Temperature Effects	$\pm 1\%$ over temperature range
Power Consumption	Sensing: 2 mA/Phase Approx Control: 2 VA at 120 VAC
Surge Withstand Cap.	In accordance with the requirements of ANSI/IEEE

DESCRIPTION

This Ground Fault Detector is used in power transformers and generators to sense leakage current to ground. Fault currents in both positive and negative ground lines are monitored and if detected can trigger either notification of fault or shut down the system. The Detector senses when the resistance between any phase to ground drops below the set point then energizes to disrupt the system. Ground Fault Detectors are available in AC or DC versions as well as available for grounded and ungrounded systems.



- Notes
1. Remove screws for access to the pick-up trip adjustments.
 2. Clockwise rotation of the adjustment potentiometers will raise the trip point sensitivity.
 3. The adjustments are by means of a single turn potentiometer. Use a small screwdriver and do not force beyond the limit stops.