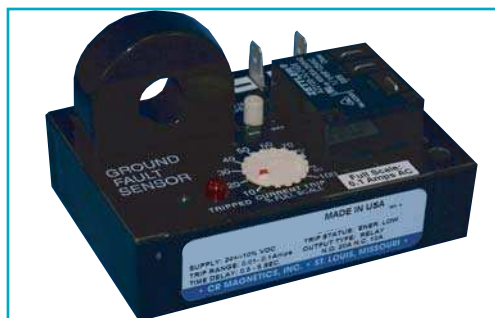


Ground Fault Sensor

CR7310 Series



OUTPUT OPTIONS

The Relay is available with three different output configurations, electromechanical relay, optoisolated NPN transistor or zero-crossing optoisolated triac. Specify desired selection in part number.

RELAY (-ELR)

Arrangement: 1 Form C (SPDT)
Contact Material: Silver-cadmium oxide
Terminals: 3 1/4" Male QC
Mechanical Life: 10 million operations, typ. @ rated load
Electrical Life: 100,000 operations, typ. @ rated load
Initial Contact Resistance: 50 milliohms max. @ 500 mA, 12 VDC
Contact Rating: UL508/873 & CSA

DC SWITCHING (-NPN)

Vce (full off): 30 VDC max.
Isink (full on): 120 mADC max. @ rated full-on
Vce (full on): 1.5 VDC @ 120 mADC Isink
Off state leakage current: 5ua @ 30 VDC (typical)
Terminals: 2 1/4" Male Q C

AC SWITCHING (-TRC)

Off state voltage: 240 VAC RMS max.
Minimum switch voltage: 24 VAC RMS
On state current: 500 mA RMS max. continuous
Switching mode: Zero crossing
Off state leakage: 60 ua @ 240 VAC max.
Terminals: 2 @ 1/4" Male QC

The **CR7310** Series, Ground Fault Sensor provides a reliable and cost effective method for sensing ground faults. The current-carrying wires are routed through the opening extending from the top of the case. When ground current reaches the level set by the trip point adjustment, the relay trips, illuminates the tripped LED and provides an output signal. A precision voltage reference circuit ensures a highly repeatable trip point. The Sensor is rated as a Class 1 device.

Applications

Monitor Motor Ground Faults
Sense Early Failure of Heater Elements
Equipment Protection

Features

Variable Trip Point
Monitors Currents from 10 mA to 100 AC Amps
Electrical Isolation Between Circuits
Output Relay Rated up to 20 Amps
LED Trip Status Indicator
Dead Band Prevents Relay Chatter
Calibrated Dial
External Current Transformers Available

Specifications

Mounting:
3/16" dia. clearance holes on 1 15/16" by 2 15/16" centers
Environmental:
Operating Temperature: -30° C to +70° C
Storage Temperature: -55° C to +85° C
0-95% RH, Non-condensing
Input Supply Power:
Typical 80mA Max 100mA
Sensed Current:
Max. Continuous: 200% Full Scale
Frequency: 50-400 Hz *
*All specifications for operation at 60 Hz only
Weight 0.5 LBS.

Regulatory Agencies



E211244

VOLTAGE	LOAD TYPE	N.O. CONTACT	N.C. CONTACT
240 VAC	Resistive	20A	10A
240 VAC	Motor	2HP	1/2 HP
125 VAC	Motor	1HP	1/4 HP
28 VDC	Resistive	20A	10A



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