CR7310 Series



OUTPUT OPTIONS

The Relay is available with three different ouput 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: 31/4" 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: 21/4" 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 Electrical Heater Elements Sense Motor Over/Under Loads Detect Lamp burn-out Indicate Phase Loss

Features

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

Specifications

Mounting:

3/16" dia. clearance holes on 115/16" by 215/16" centers

Environmental:

Operating Temperature: -30° C to +60° C Storage Temperature: -55° C to +85° C

Power-On Delay: 100 MS MAX

Hysteresis: 5% Max. Input Supply Power:

Typical 80mA Max 100mA

Vibration Tested To:..... IEC 60068-2-6,1995 Sensed Current: Max. Continuous: 200% Full Scale

Frequency: 60-400 Hz *

*All specifications for operation at 60 Hz only

Altitude: 2000 meters max.

(Contact factory for High Altitude applications)

Weight 0.5 LBS.

Regulatory Agencies





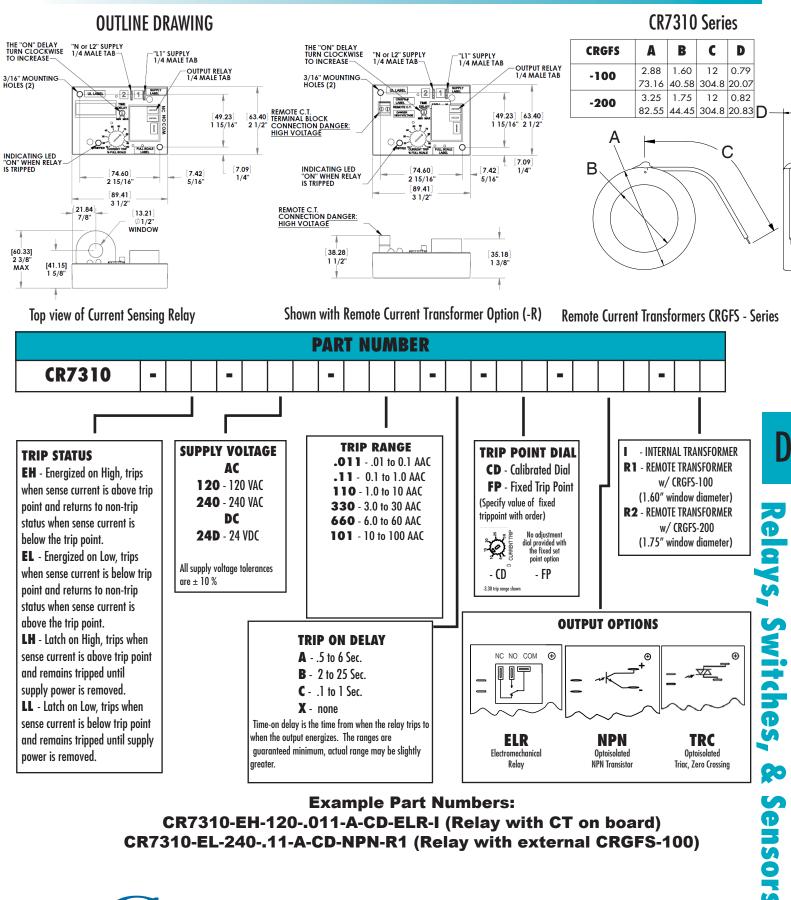
VOLTAGE	LOAD TYPE	N.O. CONTACT	N.C. CONTACT
240 VAC	Resistive	20A	10A
240 VAC	Motor	2HP	1/2 HP
125 VAC	Motor	1HP	1/4 HP
28 VDC	Resistive	20A	10A

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CR7310-EL-240-.11-A-CD-NPN-R1 (Relay with external CRGFS-100)



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