CR4395 Series



OUTPUT OPTIONS

The Relay is available with three different output configurations, electromechanical relay, optoisolated NPN transistor or 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)

AC SWITCHING (-TRC)

Off state voltage: 240 VAC RMS max.

Minimum switch voltage: 24 VAC RMS

On state current: 0.5 AAC RMS max. continuous

Switching mode: Zero crossing

Off state leakage: 60 ua @ 240 VAC max.

Terminals: 2 @ 1/4" Male QC

The **CR4395** Series, Current Sensing Relay provides an effective and highly stable method for monitoring electrical current. The current-carrying wire is routed through the opening extending from the top of the case. When current reaches the level set by the trip point adjustment, the relay trips and starts the adjustable timer. After the timer cycles the electromechanical relay is energized. A precision voltage reference circuit ensures a highly repeatable trip point.

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 1 AC 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 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 $+60^{\circ}$ C Storage Temperature: -55° C to $+85^{\circ}$ C

Power-On Delay: 100 MS MAX

Hysteresis: 5% Max. Input Supply Power:

Typical 80mA Max 100mA

Sensed Current:

Max. Continuous: 200% Full Scale

Frequency: 60-400 Hz *

*All specifications for operation at 60 Hz only

Weight 0.5 LBS.

Regulatory Agencies

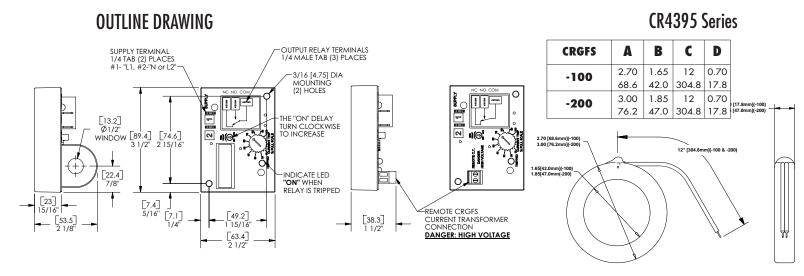




VOLTAGE	LOAD TYPE	N.O. CONTACT	N.C. CONTACT
240 VAC	Resistive	20A	10A
240 VAC	Motor	2HP	1/2 HP
125 VAC	Motor	1HP	1/4 HP
28 VDC	Resistive	20A	10A

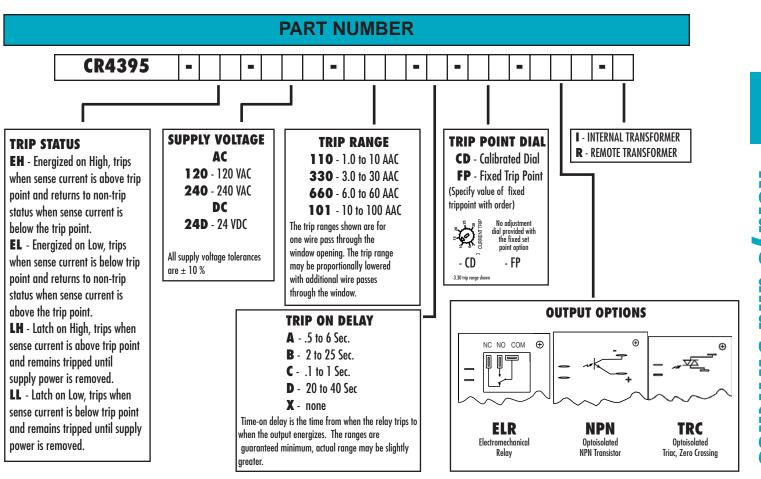


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Top view of Current Sensing Relay

Remote Current Transformers CRGFS - Series







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