#### CR5395 Series



#### **OUTPUT OPTIONS**

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

## 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 **CR5395** Series, Direct Current Sensing Relay provides a precision and cost effective method for monitoring Direct Current. Magnetic Modulator Technology is utilized for the current sensing to provide a stable and highly repeatable current trip. The current-carrying wire is routed through the opening extending through 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 energizes.

## **Applications**

DC motor drives
Battery Chargers
Power Supply Management
Uninterruptible Power Systems
Motor Application

#### **Features**

Variable Trip Point and Time Delay

Bi-polar

Monitors Currents from 1.0 ADC to 100 ADC

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 115/16" by 215/16" centers

Environmental:

Operating Temperature: -30° C to +70° C Storage Temperature: -55° C to +85°

0-95% RH, Non-condensing

Input Supply Power:

Typical 80mA Max 100mA

Sensed Current:

Max. Continuous: 200% Full Scale

Weight 0.5 LBS.

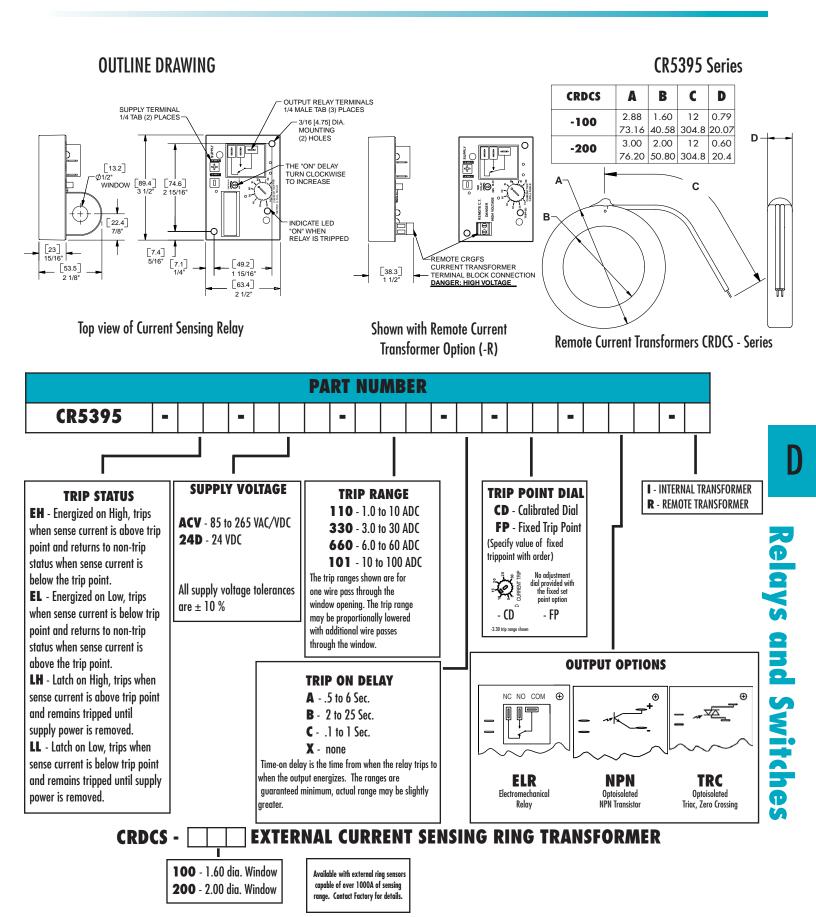
# **Regulatory Agencies**



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



CR Magnetics, Inc. 3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119





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