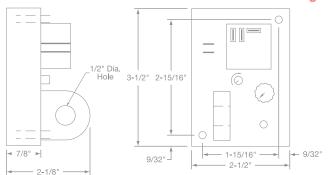


## **Current Sensing Relay**

### **Current Sensing Relay for Heater Monitoring**



#### **Specifications**

**Mounting:** 2-3/16" dia. clearance holes on 1-15/16" by 2-15/16" centers Environmental:

Operating Temperature: -30°C to +60°C Storage Temperature: -55°C to +125°C

Power-On Delay: 100 ms max.

Hysteresis: 5% max.

Input Power Supply: 120 or 240Vac, 24 Vdc (Tolerance ±10%) Input Terminals: 2-1/4" Male Quick Connect

Operating Class: 600 V **Sensed Current:** 

Max. Continuous: 200% Full Scale

Frequency: 60-400 Hz

**Output Relay:** 

Arrangement: 1 Form C (SPDT) Terminals: 3-1/4" Male Quick Connect

Contact Rating: NO-120/240 Vac: 20A, NC-120/240 Vac: 10A

**Common Configurations** 

(with Calibrated Dial & Standard Relay)

Part	Trip	Supply	Trip Range	/ Alay
Number	Status	Voltage	(Amps)	ec)
CTR00201	LC	120	1 to 1	2 25
CTR00202	LC-Latch	120	1 to .0	2 to
CTR00203	LC	240	3 to 0	to 25
CTR00204	LC-Latch	240	3 to	to 25
CTR00205	LC	240	10-40 100	2 to 25
CTR00206	LC-Latch	240	10 1 100	2 to 25



The TEMPCO series of **Current Sensing** Nays provides an effective and highly stable method for monit lectrical current. gh the The current-carrying wire is routed thro ening extende level set by is energized. An reaches ing from the top of the case. When curren the trip point adjustment, the elect adjustable timer is provided to clay ctivation of the relay. A preasure a highly repeatable trip cision voltage reference cui point. Design of the power n de reuitry allows the supply owe. on and off without affecting the power to be repeated stability of the rent ensin peration.

#### tures

- Point and Time rlav
- onitor Currents from 10 100 AC Amps
- Output Relay Rated Up to 20 Amps
- \* LED Relay Status Indicator
- \* Dead Band Prevents Relay Chatter
- \* Calibrated Dial
- \* Electrical Isolation Between Circuits

#### **Typical Applications**

- → Monitor Electrical Heater Elements
- → Sense Motor Over/Under Loads
- → Detect Lamp Burnout
- Indicate Phase Loss

# **CTR**

#### **Relay Trip Sta**

- 1 = Relay Energized on High Current (above trip point)
- 2 = Relay Energized on Low Current (below trip point)
- 3 = Latch on High Current
- **4** = Latch on Low Current

**NOTE:** For 3 and 4 relay remains latched until supply power is removed

#### Supply Voltage BOX 2

- 1 = 120 Vac
- 2 = 240 Vac
- 3 = 24 Vdc

#### Trip Ranges BOX 3

- 3 = 1.0 to 10 AC Amps
- **4** = 3.0 to 30 AC Amps
- 5 = 6.0 to 60 AC Amps
- 6 = 10 to 100 AC Amps

#### Time-On Delay BOX 4

- A = .5 to 6 Sec.
- $\mathbf{B} = 2$  to 25 Sec.
- C = .1 to 1 Sec.
- X = None

#### Output Options BOX 6

- R = Standard Relay
- **N** = Isolated NPN Transistor
- T = Isolated Triac

## Trip Point Dial BOX 5

CD = Calibrated Dial

**FP** = Fixed Setpoint

(specify required value)

# Ordering Information

Current Relays are offered with the options listed in the worksheet above. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements and a part number will be assigned, or choose a common configuration. Standard lead time is stock to 3 weeks.

▲ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.