

DESCRIPTION

Model 10342 is a small, AC current switch. It is designed for use on phase controlled loads. The 10342 can achieve detection of multiple loads independent of phase angle. The output is isolated from the lines being monitored. Monitored lines pass through a half inch hole in the unit. The output changes from high to low on trip. There is a single turn potentiometer for trip adjustment. The 10342 has an LED indicating output trip.



SPECIFICATIONS

Sensing Ranges	Less than 1 A to 25 A
Trip Point	Adjustable - Nonlinear (higher potentiometer resolution at lower current ranges)
Adjustment Direction	Counterclockwise – Lower Current Clockwise – Higher Current
Sensor Frequency Range	60 Hz AC
Operating Voltage	10 to 35 VDC
Operating Current	.9 mA @ 10V 2.6mA @ 24V 4 mA @ 35V
Temperature Range	-20°C to 85°C
Maximum Wire Size	7/16"
Dimensions (L x W x H)	1.5 x 1.3 x 1.25 inches
Connections	6-32 Screw Terminals (3)
Output Resistance	5.8 Ohms @ 125°C
Output Type	Normally High, Open FET
Output Delay	600 ms
Output Maximum Current	200 mA
Output Maximum Voltage	Zener Protected to 35V
Typical Hysteresis @ 24VDC	75 mA below 1A 2 A @ 25 A

FEATURES

- Encapsulated to prevent environmental and physical damage
- Solid-state
- Accommodate wires up to 1/2 inch
- Output is isolated from monitored lines
- Small size
- LED Indicator and single turn Potentiometer for easy trip point adjustment

APPLICATIONS

- Motor Status
- Over Current Status
- Other Loads Status
- Automotive / RV
- Fans and Blowers
- Ovens and Heaters
- Lamps
- Industrial Process Status



