

Low Cost, Single Phase, Adjustable Trip

DESCRIPTION

Model 9800 is a small, low cost current switch which can be adjusted to sense currents between 0.25A and 7A. Any currents above the adjustable trip point will change the output. The current trip point is continuously adjustable. This single phase current sensor is available in a range of operating voltages. The 9993 has a 3/8 inch diameter hole for sensing AC currents through an isolated wire. The maximum current can exceed 50 Amps and still trip the sensor between the 0.25 and 7 Amp range.



SPECIFICATIONS

Operating Voltage	Specify when ordering (See Below)
Sensing Adjustment Ranges	0.25-7A
Sensor Frequency Range	50-60 Hz
Trip Point	Adjustable
Response Times	Off to On ~30ms, On to Off ~160ms
Temperature Range	-20 to 85°C
Maximum Wire Size	3/8"
Dimensions (L x W x H)	1.1 x 1.5 x 1 inches
Connections	6-32 Screw Terminals (3)
Output Type	Open Collector NPN (See Below)
Output Rating	NPN Transistor – 0.2A
Operating Current	4mA @ 5VDC

ORDERING

Series	Operating Voltage	Output Type
9800	B → 5VDC	1 → Open Collector NPN Low on Trip
	C → 12VDC	2 → Open Collector NPN Open on Trip†
	D → 24VDC	
	E → 48VDC	
	F → 3VDC†	† Special Order

Order Example "9800D1" 24VDC, Output Low on trip

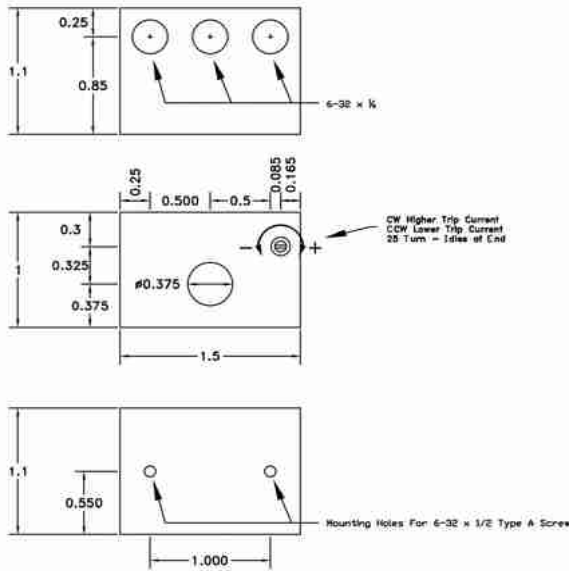
FEATURES

- Encapsulated to prevent environmental and physical damage
- Solid-state
- Accommodate wires up to 3/8 inch
- Currents as low as 0.25A
- Outputs are isolated from monitored lines

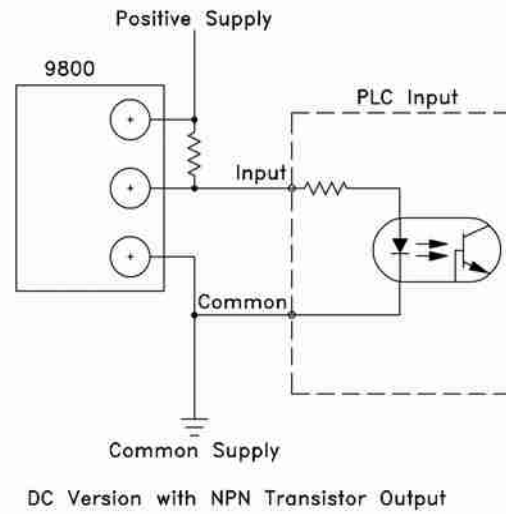
APPLICATIONS

- Protects motors
- Increases Motor Life
- Pumping
- Irrigation
- Conveyors
- Loaders
- Fans and Blowers
- Ovens and Heaters
- Waste Management
- Material Handling
- Industrial Process Control

Dimensions and Connections



Example of 9800 connected to PLC



Example of wiring to 30 Amp relay.

