

Low Cost, Single Phase, Open Collector Output, Fixed Trip

DESCRIPTION

Model 9087 is a small, low cost current switch with a maximum trip point of 100 A. This single phase current sensor goes from high to low on trip. The current trip point is fixed please specify when ordering. See model 9153 for adjustable trip point version.



SPECIFICATIONS

Sensing Range	1-100A
Sensor Frequency Range	50-60 Hz
Trip Point	Fixed
Response Times	20ms On, 100ms Off @ 60Hz 100µs On from Current Detection Point
Temperature Range	0-70°C
Maximum Wire Size	3/8"
Dimensions (L x W x H)	1.4 x 1.05 x 1 inches
Connections	4-40 Screw Terminals (3)
Operating Voltage	3-36 VDC
Output Type	Normally High, Open Collector Transistor
Output Rating	18mA max sink
Operating Current	1mA @ 5VDC

ORDERING

Series	# of Sensors	Trip Point
9087	D → 1 core	Specify → 1 - 100

FEATURES

- Encapsulated to prevent environmental and physical damage
- Solid-state
- Accommodate wires up to 3/8 inch
- Currents up to 100A
- 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

