



### Low Cost, Three Phase, Two Wire

#### DESCRIPTION

Model 9091 is a small, low cost current switch with maximum currents of 25A, 50A, or 100A. This three phase current sensor goes from low current to high current when any one of the three phases exceeds the trip point. The current trip point is continuously adjustable.

**New Product**

#### SPECIFICATIONS

Sensing Ranges	0.5-25A, 0.5-50A, 0.5-100A
Sensor Frequency Range	50-60 Hz
Sensing Precision	±5% @ Max. Current
Trip Point	Adjustable
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 )	2.125 x 1.05 x 1 inches
Connections	4-40 Screw Terminals (2)
Operating Voltage	3-36 VDC
Output Type	Two Wire, Normally Low Current. Trips when any one of the three cores exceeds the trip point.
Output Rating	High Current Max. 100mA
Operating Current	2mA @ 5VDC

#### 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

#### ORDERING

Series	# of Sensors	Sensing Ranges
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9091	C → 3 core	1 → 0.5-25A 2 → 0.5-50A 3 → 0.5-100A
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