



# Preliminary Data Sheet AC Current Sensor

Model 10871

## Low Cost, Single Phase, Adjustable Trip

### DESCRIPTION

Model 10871 is a single phase, AC current switch designed for industrial applications. The 10871 has an internal relay with isolated contacts (form 1C contacts). The 10871 requires a 220VAC supply voltage. The current trip point is continuously adjustable from 500 mA to 20A. The 10871 has a 3/8 inch diameter hole for sensing AC currents through the 10871.



### SPECIFICATIONS

Sensing Ranges	500 mA to 20 A
Sensor Frequency Range	50 – 60 Hz
Trip Point	Adjustable
Temperature Range	-20°C to 85°C
Maximum Wire Size	3/8"
Dimensions ( L x W x H )	2.1 X 1.6 x 1.0 inches
Connections	6-32 Screw Terminals (5)
Operating Voltage	220VAC
Operating Current	10mA
Output Type	Mechanical Relay Switch
Load Rating	10 A @ 120 VAC & 28 VDC, 7 A @ 240 VAC
Motor Load Rating	1/3 HP @ 125 VA, 1/2 HP @ 240 VAC

### ORDERING

10871	Other current ranges available. Contact us for engineering and manufacturing to fit your needs
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### FEATURES

- Encapsulated to prevent environmental and physical damage
- Accommodate wires up to 3/8 inch
- Detects Current Between 500mA and 20 A
- Outputs are isolated from monitored lines

### APPLICATIONS

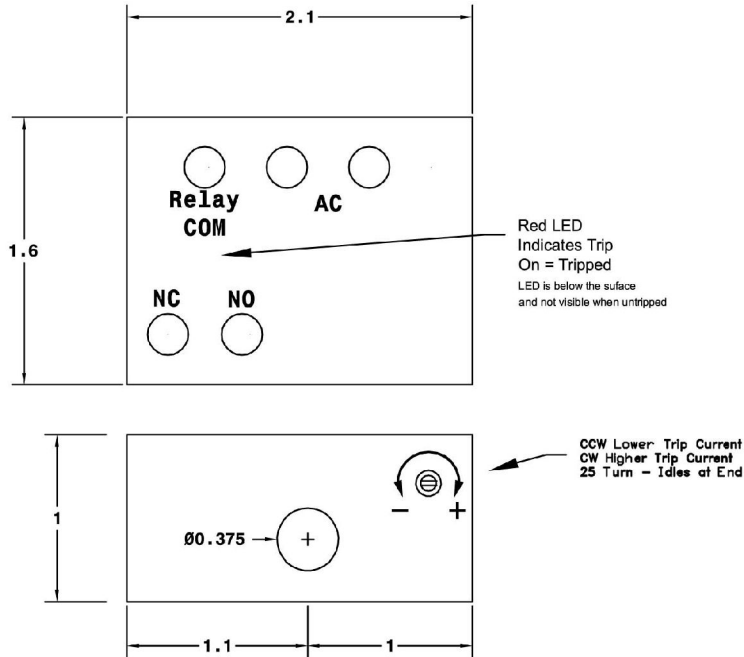
- Protects motors
- Increases Motor Life
- Pumping
- Irrigation
- Conveyors
- Loaders
- Fans and Blowers
- Ovens and Heaters
- Waste Management
- Material Handling
- Industrial Process Control



PRELIMINARY

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## Typical Connections

