

# SWITCH AC OR DC LOADS

- Adjustable setpoint
- Switches AC or DC loads
- 1 range of 1 to 150 amps

## Model SC250

This adjustable setpoint current operated solid state sensor monitors currents from 1.5 to 150 Amperes and switches up to 135 volts AC or DC. Internal circuits are totally powered by induction from the line being monitored.

Design enhancements offer zero off-state leakage in the solid state relay output while switching both AC and DC circuits. The contact is not polarity sensitive, simplifying wiring.

### Installation Features

- Universal sensor for both AC and DC switching can simplify installation and reduce mix ups.
- Smart LED flashes rapidly to indicate current has tripped switch, flashes slowly to indicate presence of current below switching point and turns off to indicate current below 1.5 amps or not present.
- Substantial labour cost savings with split core design which easily clamps around cables.
- Small size: mounts easily in tight spaces. Can be hung or tied directly onto wires or cables.
- Self-powered design eliminates need for power supplies and power wiring.

### Quality and Reliability

- Field-proven solid-state reliability--highest quality circuits-- no questionable metal contacts
- UL Listed in U.S. and Canada
- Five-year warranty

### Applications

- Upgrade from differential pressure and air-flow switches
- Direct connection to PLC, DDC and fire system inputs, for status and proof-of-performance
- Monitor all types of fans: stairway, exhaust, supply, return and tower



- Monitor all types of pumps: tower, condenser, hot and cold water and sump
- Monitor all types of heating elements, ideal for heat tracing
- Monitor motors throughout plant or building to confirm ON/OFF status.
- Directly control light loads, such as lamps and relays

## TECHNICAL DATA

### Monitored AC Current

1.5-150 Amps, 6-60 Hz

Switch NO, 300mA continuous at 135volts AC or DC

### Maximum Current

Continuous 150A

6seconds 400A

1 second 1000A

Size: 2.5" H x 2.6" W x 1.15" D

Through hole 0.85" diameter

Temperature -50C to +65C

Case ABS meets UL flammability rating 94V-0

## ORDERING DATA

Ask for model SC250 complete with status LED

# ENERCORP

# instruments ltd

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