SENTRY 250 Series

Current Operated Switches



The Sentry 250 Series Current Switches monitor up to 250 amps AC and provide an AC/DC switch with either a fixed set point (go/no-go) or an adjustable set point. They offer proven reliability and solid performance in both solid core and split core configurations.

FEATURES

Reliability

Field-proven in hundreds of thousands of installations since 1982. Solid performance even in rooftop environments. Backed by five-year warranty.

Convenience

Compact size, built-in mounting bracket, and universal output mean that installation is simple, fast and secure. You save money and avoid callbacks. The split core version simplifies retrofits.

"Smart" LED

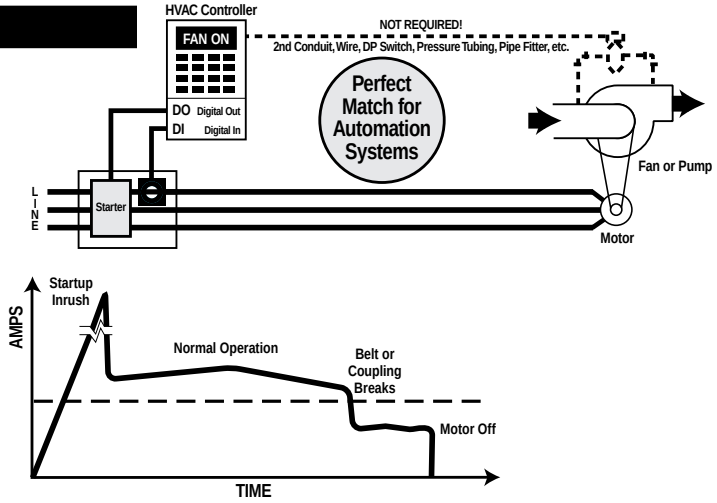
Easily adjust set point and verify operation even before system hookup. (Models 250 and SC250)

Self-Powered

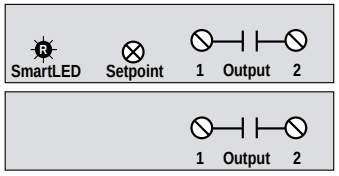
Cuts installation and operating costs.

APPLICATIONS

- Monitor fan and pump status
- Monitor heating elements
- Monitor lighting circuits
- Verify status of facility or equipment power
- Direct control of light loads, such as lamps and relays



CONNECTIONS



Typical of 250/SC250

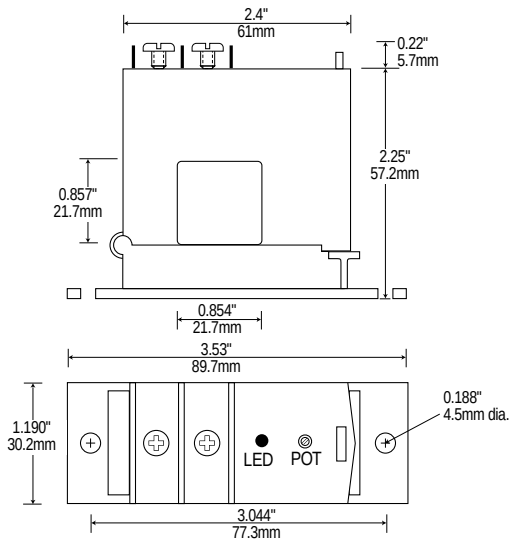
Typical of 225/SC225

NOTES

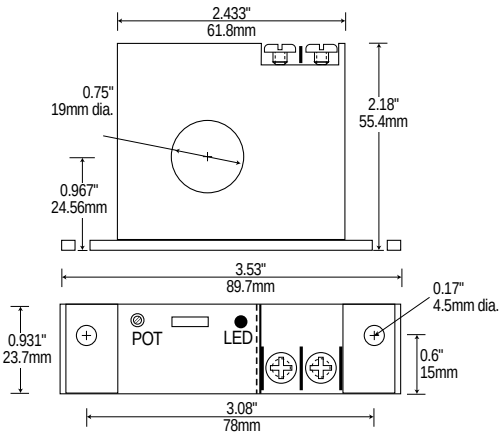
- Terminals are #6 screws.
- Solid state AC/DC swtich is not polarity sensitive.
- Normally open contact shown. Normally closed is similar.

Enercorp instruments
1.800.363.7267
www.enercorp.com

Split Core



Solid Core



SPECIFICATIONS

Power Requirement	None, self-powered
Output	Magnetically Isolated Solid State Switch
Switch Rating	N.O. versions: 0.3A @ 135 VAC or VDC N.C. version: 0.2A @ 135 VAC or VDC Not polarity sensitive
Off State Leakage	None
Response Time	<120 milliseconds
Set Point Range	See Ordering Information
Hysteresis	5% of set point

Max Current

	Continuous	**6 Sec**	**1 Sec**
225/SC225	250A	500A	1,000A
Other models	150A	400A	1,000A

Isolation Voltage	UL Listed to 1,270 VAC, tested to 5kV
Frequency Range	6–100Hz
Sensing aperture	0.75" (19mm) diameter (solid core) 0.85" (21.5mm) square (split core)
Case	UL 94V-O Flammability Rated
Environmental	–58 to149°F (–50 to 65°C) 0–95% RH, non-condensing
Approvals	UL, ULC, CE

OUTPUT TABLE

CONDITION	SMART LED	N.O. SWITCH	N.C. SWITCH
No Current Flowing	Off	Open	Closed
Current Below Set Point	Slow Flash (2 Sec)	Open	Closed
Current Above Set Point	Fast Flash (0.5 Sec)	Closed	Open

ORDERING INFORMATION

MODEL	SET POINT RANGE	N.O./ N.C.	LED	CASE
Sentry 225	Fixed, 1A	N.O.	No	Solid Core
Sentry 250	1–150A	N.O.	No	Solid Core
Sentry SC225	Fixed, 1.5A	N.O.	No	Split Core
Sentry SC250	1.5–150A	N.O.	No	Split Core
Sentry SC250-NC	1.5–150A	N.C.	Yes	Split Core

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