

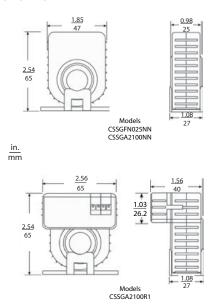
Model CSS

Solid-Core Current Switch

Setra's Model CSS solid-core current switches provide a cost effective solution for real-time monitoring of motor status in common HVAC applications. The CSS is available with fixed or adjustable trip set-point values alerting the user to over or under current situations in the application, with trip points as low as 0.25 A up to 135 A. The Model CSS's design utilizes magnetic induction current sensing technology allowing the CSS switches to accurately operate over a wide range of environmental conditions, without the need for an additional power supply. The current switch is available with a snap-on power relay designed to start or stop AC motors during tripped set-point conditions, minimizing service time in the field.



DIMENSIONS



ORDERING INFORMATION

Model	Description			
CSSGFN025NN	Model CSS, Fixed Setpoint, No LED, 0.25 A Setpoint, No Snap-on Power Relay			
CSSGA2100NN	A2100NN Model CSS, Adjustable Setpoint, with LED, 1.00 A Setpoint, No Snap-on Power Relay			
CSSGA2100R1	Model CSS, Adjustable Setpoint, with LED, 1.00 A Setpoint, with Snap-on Power Relay			

GENERAL SPECIFICATIONS

Model	CSSGFN025NN	CSSGA2100NN	CSSGA2100R1 w/ snap-on relay	
Amperage Range	0.25 to 200 A	1.00 to 135 A	1.00 to 135 A	
Continuous Operating Current	200 A, 600 VAC	125 A, 600 VAC	135 A, 600 VAC	
Switch Setpoint	Fixed	Adjustable	Adjustable	
Output Relay	No	No	SPST,NO. 10 A @ 260 VAC, 5 A @ 30 VDC	
Actuation Coil	No	No	24VAC/DC	
Switch LED Indication	No	Yes	Yes	
Relay LED Indication	No	No	Yes	
Trip Setpoint	0.25 A	1.00 to 135 A	1.00 to 135 A	
Current Switching Mode	Under Current Sensing	Over/Under Current Sensing	Over/Under Current Sensing	
Dimensions	2.54 x 1.85 x 0.98 in. (65 x 47 x 25mm)	2.54 x 1.85 x 0.98 in. (65 x 47 x 25mm)	2.54 x 2.56x 1.56 in. (65 x 65 x 40mm)	
Aperture Size	0.71 in. Dia. (18mm Dia.)			
Sensor Supply Voltage	Induced from power conductor cable			
Status Output	Switch normally open (when energized above trip point switch closes)			
Switch Load Capacity	1 A @ 30 VAC/DC max.			
Isolation Voltage	600 VAC rms			
Temperature Range	5 to 140°F (-15 to 60°C)			
Frequency Range	50/60 Hz			
Humidity Range	0 to 95% non-condensing			
Agency Approvals	CE Compliant, RoHS Compliant, c-UL Listed: 508, IND. Cont. EQ: E317719			