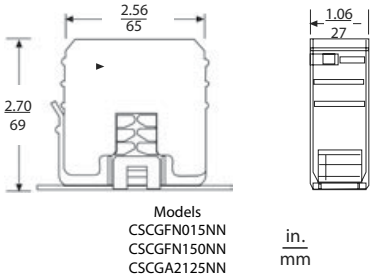
Model CSC

Split-Core Current Switch

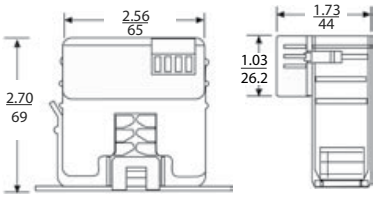
Setra's Model CSC split-core current switches provide a cost effective solution for real-time monitoring of motor status in common HVAC applications. The CSC is available with fixed or adjustable trip set-point values alerting the user to over or under current conditions in the application, with trip points as low as 0.15 A up to 135 A. Setra's design utilizes magnetic induction current sensing technology allowing the CSC 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



Models
CSCGFN015NN
CSCGFN150NN
CSCGA2125NN

in.
mm



Models
CSCGFN150R1
CSCGA2125R1

GENERAL SPECIFICATIONS

Model	CSCGFN015NN	CSCGFN150NN	CSCGA2125NN	CSCGFN150R1 w/snap-on relay	CSCGA2125R1 w/snap-on relay
Amperage Range	0.15 to 200 A	1.5 to 200 A	1.25 to 135 A	1.5 to 200 A	1.25 to 135 A
Continuous Operating Current	200 A, 600 V AC	200 A, 600 V AC	135 A, 600 V AC	200 A, 600 V AC	135 A, 600 V AC
Switch Setpoint	Fixed	Fixed	Adjustable	Fixed	Adjustable
Output Relay	No	No	No	SPST. NO 10 A @ 260 V AC, 5 A @ 30 VDC	SPST. NO. 10 A @ 260 V AC, 5 A @ 30 V DC
Actuation Coil	No	No	No	24 V AC/DC	24 V AC/DC
Switch LED Indication	No	No	Yes	No	Yes
Relay LED Indication	No	No	No	Yes	Yes
Trip Setpoint Value	0.15 A	1.5 A	1.25 to 135 A	1.5 A	1.25 to 135 A
Current Switching Mode	Under Current Sensing	Under Current Sensing	Over/Under Current Sensing	Under Current Sensing	Over/Under Current Sensing
Dimensions	2.7 x 2.56 x 1.08 in. (69 x 65 x 27 mm)	2.7 x 2.56 x 1.08 in. (69 x 65 x 27 mm)	2.7 x 2.56 x 1.08 in. (69 x 65 x 27 mm)	2.7 x 2.56 x 1.73 in. (69 x 65 x 44 mm)	2.7 x 2.56 x 1.73 in. (69 x 65 x 44 mm)
Aperture Size	0.72 x 0.78 in. (18 x 20 mm)				
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 V AC/DC max.				
Isolation Voltage	600 V AC 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				

[1]Units calibrated at nominal 70°F. Max thermal error computer from this datum.
[2]Calibrated at factory with a 24VDC loop supply voltage and a 250 ohm load.
Specifications subject to change without notice.

ORDERING INFORMATION

Model	Description
CSCGFN015NN	Model CSC, Fixed Setpoint, No LED, 0.15 A Setpoint, No Snap-on Power Relay
CSCGFN150NN	Model CSC, Fixed Setpoint, No LED, 1.50 A Setpoint, No Snap-on Power Relay
CSCGA2125NN	Model CSC, Adjustable Setpoint, with LED, 1.25 A Setpoint, No Snap-on Power Relay
CSCGFN150R1	Model CSC, Fixed Setpoint, No LED, 1.5 A Setpoint, with Snap-on Power Relay
CSCGA2125R1	Model CSC, Adjustable Setpoint, with LED, 1.25 A Setpoint, with Snap-on Power Relay