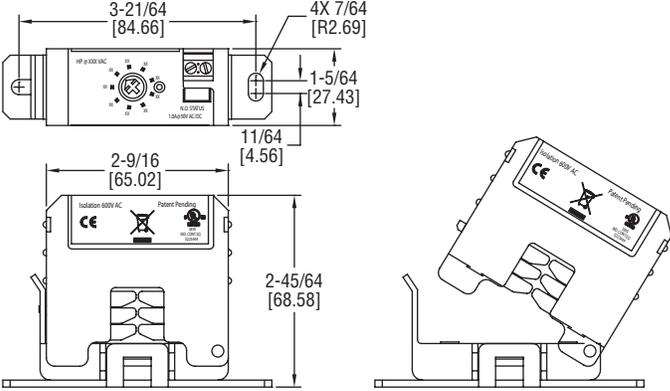




# Series SSCS Sure-Set Current Switches

## Specifications - Installation and Operating Instructions



The **SERIES SSCS** Sure-Set Current Switch provides a unique approach to calibration and installing current sensors in a low cost, fast, and accurate design. Selecting the set point has never been easier, with each model having 9 pre-configured adjustable HP set points. This feature eliminates the need to work within a live enclosure, reducing the risk of arc flash on installation.

**WARNING** Risk of Electrical Shock or Arc Flash  
Disconnect power supply before making electrical connections. Contact with components carrying hazardous voltage can cause electrical shock and may result in severe personal injury or death.

### SELECTING OPERATING RANGE

1. Verify the motor Full Load HP for the system being monitored.
2. Verify the motor operating voltage.
3. Verify that the proper SSCS model was selected to monitor the motor used in the system. (SSCS Current Switches are available for 230 VAC and 480 VAC motors, both in low and high HP ranges.)
4. Set the SSCS operating set point to the motor Full Load HP by rotating the range selector switch on top of the switch to the proper motor HP. The SSCS operating set point is now set to properly monitor the motor operation. No calibration on a live load is necessary.

SPECIFICATIONS
<b>Output:</b> Isolated, NO.
<b>Power Requirements:</b> None, self-powered.
<b>Temperature Limits:</b> 5 to 140°F (-15 to 60°C).
<b>Humidity Limits:</b> 0 to 95%, non-condensing.
<b>Isolation Voltage:</b> 600 VAC RMS.
<b>Frequency:</b> 50/60 Hz.
<b>Enclosure Rating:</b> UL 94 V-0 flammability rated, ABS plastic housing.
<b>Agency Approvals:</b> CE, cULus.

**INSTALLATION**

**Mounting**

1. Shut off all power to the enclosure prior to installing.
2. Remove the mounting bracket from the main housing.
3. Using the two included screws, attach the mounting bracket to the rear of the electrical panel or enclosure.
4. Re-attach the current switch housing to the plastic mounting bracket.

**Wiring**

1. Disconnect power to the conductor cable from the power source prior to proceeding.
2. Open the core using the release tab. Snap the core closed around the power conductor cable. Make sure that the core release tab is locked in its original position.
3. Wire the Series SSCS output terminals to the control box Digital Input (DI) terminal (30 V maximum terminal voltage).
4. Close the enclosure and reconnect power to the power conductor cable. (For wiring example, see Figure 1)

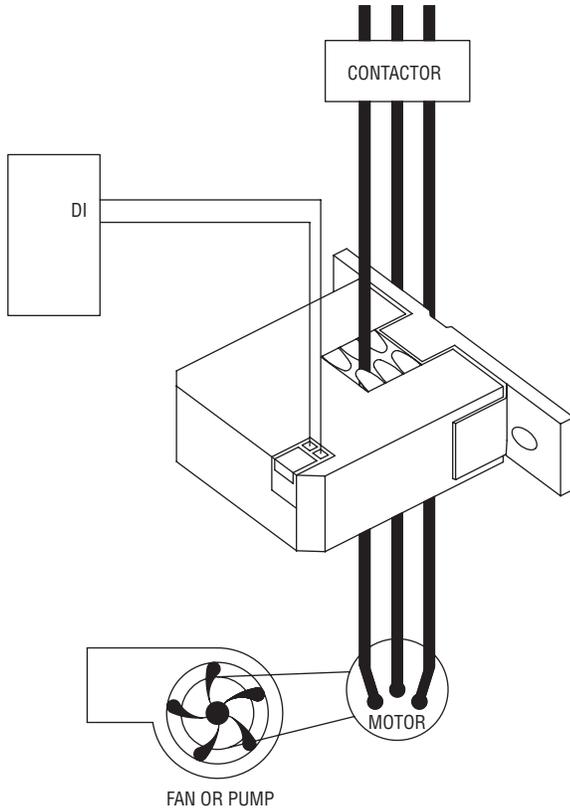


Figure 1

**TROUBLESHOOTING**

Symptom	Action
SSCS solid state output does not change state when motor current is changed.	Insufficient current to the load to reach the selected set point threshold.
	Incorrect motor HP range selected. Verify that the SSCS range selector switch is set to the proper motor FLA.
	Incorrect SSCS model chosen. Check the motor Full Load HP against the SSCS HP ranges.
	Check that the proper SSCS model was chosen for the motor operating voltage.
The clamp is not fully closed.	Press the SSCS housing to ensure the clamp latch is fully closed. Verify that the conductor is within range of the conductor sizes that can be accommodated by the SSCS.
	Verify that the range selector switch is set to the proper motor FLA.
Motor is turned on and switch does not close.	Verify that the range selector switch is set to the proper motor FLA.

**MAINTENANCE/REPAIR**

Upon final installation of the Series SSCS Sure-Set Current Switches, no routine maintenance is required. The Series SSCS is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

**WARRANTY/RETURN**

Refer to "Terms and Conditions of Sale" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.