







Series CCS Current Switches

Specifications - Installation and Operating Instructions



OPERATING INSTRUCTIONS

NOTICE The Series CCS Current Switches are intended to provide an appart to equipment under normal operating conditions. Where failure or multimeter on the current switch could lead to percula flayor or report, damage to the controlled equipment or often property, additional precurious, must be designed in the control system, incorporate and massinal morter devices such as supervisely or alient systems or safety of time corriors insinded to warn of, or protect against, failure or multimeter or the CCS.

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.

- MOUNTING

 1. Mount the switch in a suitable location using the two mounting holes in the base of the unit.

 2. If using less, make sure ties are securely fastened and that the unit is stable. If using the provided across, tightly screw in one screw at a time rate each hole.

- WIRNO.

 The power supply to the circuit is off.

 The power that the power supply to the circuit ise, slide the power conductor conductor conductors discounted the circuit the, slide through the sensing hole of the current which, and reconnect the circuit see.
- cable through the sensing hole of the current switch, and reconnect the circuit line.

 For split core devices: open the core using the release tab. Snap the core doubted around the power conductor cable. Make sure that the core release tab is locked in its original position.

 Somenet the switch circuit to the two screw terminals using ring or fork type terminals.

 A Turn circuit back on.

In MREASING MEASURED CURRENT
If measured current is too low to be detected:
Whap the conductor (wive) through the sensing hole and around the CCS body to
produce multiple turns to increase the measured current. Use the below equation to
determine how many wapps are necessary:

NOTICE Failure to derate the current capacity could result in damage to the Series CCS when using multiple turns to increase the measured current. Use the following formula to determine the new maximum current:

New maximum current = CCS current rating / number of turns.

For example, with 4 turns and a maximum current rating of 200 A: New maximum current = 200 A / 4 = 50 A.

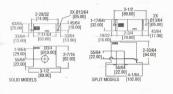
SET POINT CALIBRATION (For adjustable models only)
The output switch of all devices is open. When the monitored current exceeds the trip
value as set by the set point calibration, the switch will close. The red LED light will
indicate that this change has occurred.

- To increase the set point.

 Use the potentioneder to adjust the range:
 Confirm that the monitored load is on.
 Turn the adjustment counter-dockwise, until the output turns off as indicated by the red LED.
 Then turn the adjustment dockwise, until the red LED comes back on indicating that the output is now on.

NOTICE The adjustment should be turned slightly clockwise past a certain point to ensure normal line current variations do not cause false

Symptom	Solution
Series CCS output does not function.	 Verify that the maximum amperage range has not been exceeded. Voltages or currents above the rated levels may damage the Series CCS.
Set point potentiometer keeps turning.	Turn the potentiometer counterclockwise, to return the unit to its original setting. Start the calibration procedure again.
Motor (or other equipment using current)	Insufficient current to the load leads to reach the set point
is turned on and switch does not close.	threshold. To turn switch on, follow the instructions if current is too



Bulletin PC-CCS

SPECIFICATIONS
Amperage Range: 0 to 200 A AC.
Maximum Switch Rating:
For fixed set point models: 0.3 A @ 135VAC/DC;
For adjustable set point models: 1 A @ 240VAC.
Output: Normally open.
Power Requirements: Nore, self-powered.
Operating Temperature: -22 to 159° f-30 to 70°C).
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LED INDICATORS

• Green LED: indicates that current is passing through the core, but the set point has not been reached and the contacts are open.

• Red LED: indicates that the set point has been reached and the contacts are now closed.