General Specifications

Monitored Current Type: AC
Fixed Trip Point: 0.5 A
Amperage Range: 0 to 200 A
Contact Rating: Dry contact : 0.2 A @ 200VAC/VDC
Power Requirements: None, self-powered
Operating Temperature: 5°F to 104ºF (-15°C to 40ºC)
Operating Humidity: 0 to 95% (non-condensing).
Isolation Voltage: 2200VAC
Frequency: 40 to 1kHz.
Enclosure Flammability Rating: UL94-V0
Approvals: UL/CUL US Listed, CE, RoHs2, WEEE

SNR-080 Amperage Range

0 - 200 A /AC

SPLIT CORE CURRENT SWITCH MODEL: A/SCS2-L

INPUT = 250A Max
TRIP ON = Above 0.5A
OUTPUT: 0.2A
200 VDC/VAC
Use Insulated Conductors Only

To Logix Panel Digital Input

#16-#22 AWG

*Consult specific panel wiring diagram for details

*Terminals are not polarity sensitive

Press down on the side tab and swing the top of the unit open in order to insert the power conductor cable through the sensing hole of the current switch. Electrical contact grease is present on the cores to prevent corrosion, this can capture grit and dirt if care is not exercised.

Current switch can be mounted using tek screws or snapped directly to the 35mm din rail option. Leave a minimum distance of 1" between the current switch and any other magnetic devices.

Ensure the power conductor cable is through the sensing hole of the current switch.

NOTES:

LED INDICATORS
• **Red LED:** indicates whether the current is above (LED on) or below (LED off) the fixed trip point.

WIRING
1. Ensure that the power supply to the circuit is off.
2. Connect conductors to non polarity sensitive terminals on current switch.
3. Turn circuit back on.

INCREASING MEASURED CURRENT
If measured current is too low to be detected: Wrap the conductor (wire) through the sensing hole and around the A/SCS2-L body to produce multiple turns to increase the measured current. Use the below equation to determine how many wraps are necessary:

Measured current = actual current x the number of turns.

New maximum current = A/SCS2-L 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.

Wiring & Installation Detailed Drawing

Title
ACI A/SCS2-L Current Switch

Logix Part Number: SNR-080

Date 03/13/19	Rev 01	Drawn by NRJ
Drawing Filename SNR-080_CurrentSwitch_ACI.axd		