

SPLIT CORE CURRENT SENSOR (4 -20mA) MODEL: A/SCTA2-50-RMS

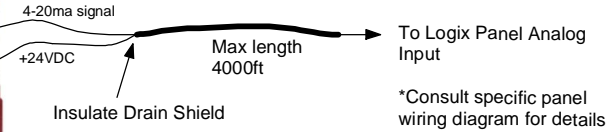
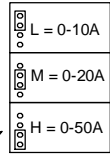
General Specifications

Monitored Current Type: AC
Output Signal: 4-20 mA (2-wire, Loop Powered)
Power Requirements: +13.5 - 30VDC (reverse polarity protected)
Minimum Mounting Distance: 1" between current sensor and other magnetic devices
Operating Temperature: 5°F to 104°F (-15°C to 40°C)
Operating Humidity: 0 to 95% (non-condensing).
Isolation Voltage: 2200VAC
Frequency: 40 to 1kHz.
Enclosure Flammability Rating: UL94-V0
Approvals: CE to IEC 61326-1:2012 Class A, UL/CUL US Listed, RoHS2, WEEE

SNR-014 Amperage Range

0 - 10/20/50A

10/20/50 amperage range jumper - consult application-specific wiring diagram - typical applications require low setting.



*Consult specific panel wiring diagram for details

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.

Line-voltage power conductor or 5 amp current transformer conductor. If monitoring a multi-phase device, only one conductor is required. RMS model shown is suitable for VFD applications.

NOTES:

Please read the included Installation and Operation instructions carefully before installation

Cable for analog sensors is shielded #24 AWG Belden #9501 or equal, 2 conductor cable run in separate conduit from power wiring. Wiring applications below -22°F/-30°C requires Belden #88761 shielded cable or equal.

The sensor cable ground shield should be grounded inside the LOGIX Panel and left floating with heat shrink insulation at the sensor end.

A maximum of 8 inches of signal wire should be left unshielded at the LOGIX panel (end of the cable).

NEVER run the Belden sensor cable in the same conduit as power wiring.

Run sensor cabling 3 feet or more from VFD power cables, even if metallic conduit is used.

Submit alternate cable specs to LOGIX for approval.



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Wiring & Installation Detailed Drawing		
Title ACI A/SCTA2-50-RMS Current Sensor 4-20mA Logix Part Number: SNR-014		
Date 03/13/19	Rev 01	Drawn by NRJ
Drawing Filename SNR-014_CurrentSensor_ACI.axd		