

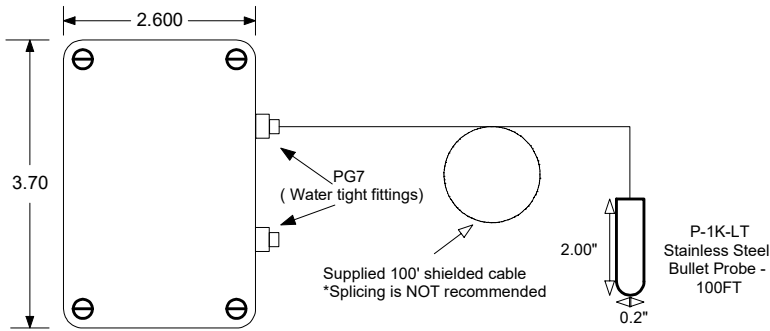
General Specifications

Transmitter Output: 2-wire linear 4-20ma current
 Transmitter Operating Temperature: -40 - 85C
 Transmitter Operating Humidity: 10 - 90% non-condensing
 Transmitter Calibrated Accuracy: .2% of full scale span
 Repeatability: +/- .2C
 Enclosure: Plastic NEMA4X
 Recommended Field Calibration Interval: 12 months

SNR-012-1 Temperature Range

-50-125 F

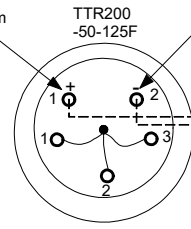
Enclosure



Wiring Detail

Terminal (1) wire = +24VDC from lower terminal block in LOGIX Axiom microcontroller.

Terminal (2) wire = 4-20ma signal to upper terminal block in LOGIX Axiom microcontroller.

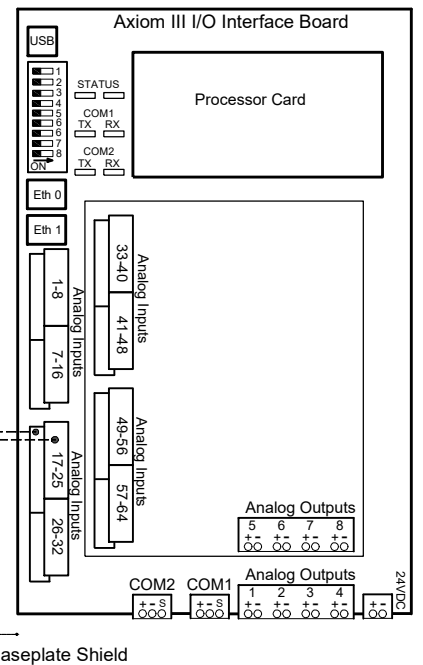


Belden #9501 Supplied by others

Termination points vary, refer to panel specific instruction.

+24VDC Red

Black Signal



NOTES:

Moisture damage is **NOT** covered by warranty.

Ensure drip loop is installed correctly to prevent moisture entering the enclosure; that may cause harm to the sensor.

Avoid close proximity to line voltage wiring – this applies to both sensor placement and sensor cabling.

Sensor wiring runs may extend up to 4000 feet from a LOGIX Panel.

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.

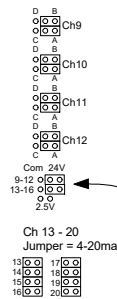
A maximum of 8 inches of signal wire should be left unshielded at the LOGIX panel (end of the cable).

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.

**Axiom-III
Analog Reference Jumpers**



Analog Reference Jumpers for Lower Terminal Block Terminals 9 - 16			
Terminals	24V	Com	2.5v
13-16	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
Terminals	24V	Com	
9-12	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○



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Wiring & Installation Detailed Drawing			
Title			
UnderFloor Temperature Sensor			
Logix P/N SNR-012-1			
Date	06/01/2022	Rev	01
Drawn by	NRJ		
Drawing Filename	SNR-012-1_FloorTemp.axd		