

General Specifications

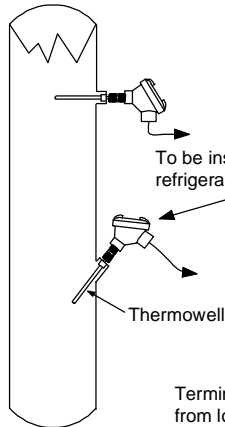
Supply voltage: 8-35 VDC
 Voltage drop: 8 VDC.
 Response time: 0.33 -.60 s
 Accuracy: -0.1%
 Current output: Signal range 4-20 mA
 Stability: $\pm 0.01\%$ of span / 100 OHMS

SNR-073 with Thermowell
 SNR-073-2 no Thermowell
 SNR-076 Thermowell only

2.5" / -50° - 125°F

SNR-074 with Thermowell
 SNR-074-2 no Thermowell
 SNR-076 Thermowell only

2.5" / 0° - 300°F



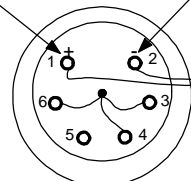
Wiring Connections



To be installed by a qualified refrigeration technician **ONLY**.

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

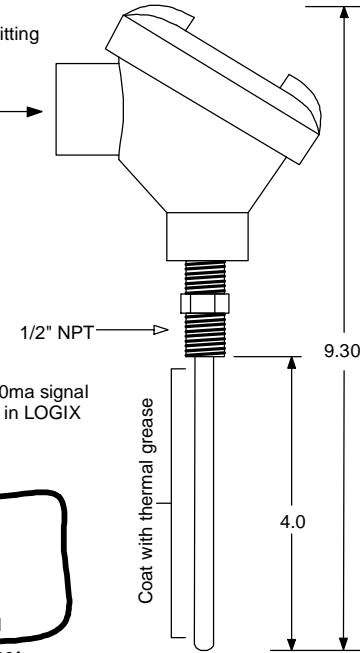
Wiring Detail in Bell Housing



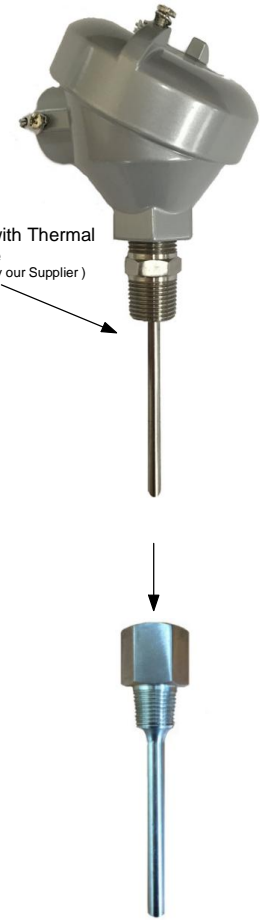
Terminal (2) wire = 4-20ma signal to upper terminal block in LOGIX Axiom microcontroller.

To LOGIX Panel
 Belden #9501
 Max length 4000ft

1/2" Conduit Fitting



Sensor Housing



(Required) Coat with Thermal Grease
 (Recommended by our Supplier)

Thermowell



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NOTES:

Sensor must be protected from ingress of moisture. The preferred sensor enclosure entry method is to apply a water-tight fitting on the sensor enclosure and provide a drip loop as shown. If the sensor requires a conduit connection, the conduit entering the sensor must be sealed internally with foam or putty to completely prevent air movement. Moisture damage is **NOT** covered by warranty.

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.

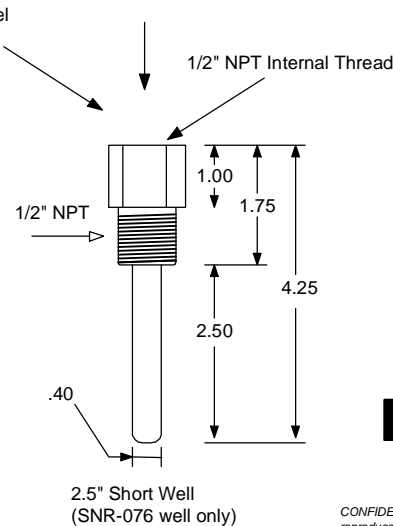
The sensor cable ground shield should be grounded inside the LOGIX Panel and left floating with heat shrink insulation at the sensor end.

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.



2.5" Short Well
 (SNR-076 well only)

Wiring & Installation Detailed Drawing		
Title Aluminum Head Thermowell Temp Sensor		
LOGIX P/N: SNR-073,SNR-074		
Date 01/29/19	Rev 01	Drawn by NRJ
Drawing Filename SNR-073-074_Thermowell-AH.axd		