

General Specifications

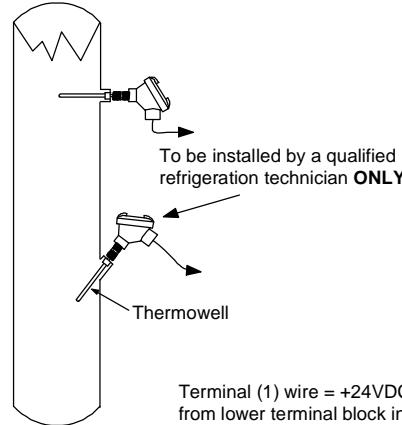
Supply volt: 8-35 VDC
Voltage drop: 8 VDC.
Response time: 0.33 -.60 s
Accuracy: <0.1%
Current output: Signal range 4-20 mA
Stability: =0.01% of span / 100 OHMS

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

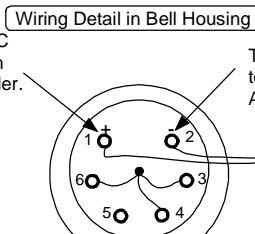
2.5" / 0° - 300°F



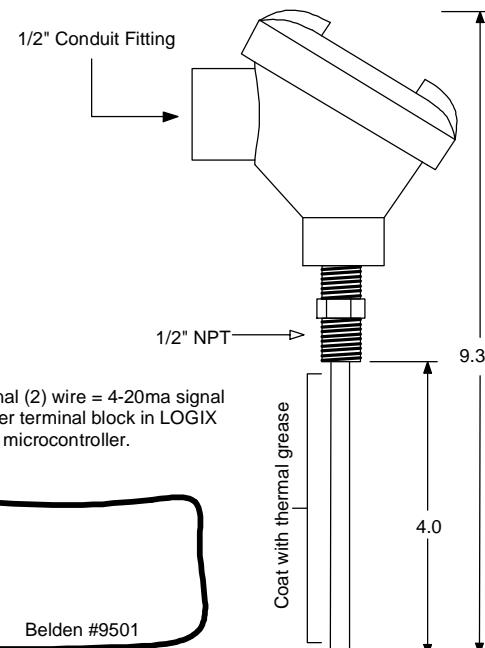
Wiring Connections



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



To LOGIX Panel
Belden #9501
Max length 4000ft



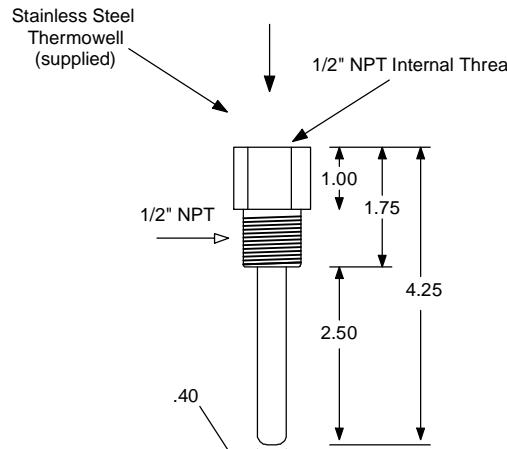
Sensor Housing



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



Thermowell



2.5" Short Well
(SNR-076 well only)

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.



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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	SNR-073-074_Thermowell-AH.axd	