

### General Specifications

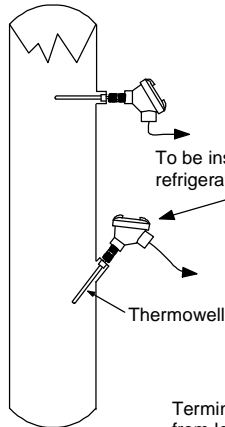
Supply voltage: 8-35 VDC  
 Voltage drop: 8 VDC.  
 Response time: 0.33 -.60 s  
 Accuracy: <math>-0.1\%</math>  
 Current output: Signal range 4-20 mA  
 Stability:  $\pm 0.01\%$  of span / 100 OHMS

SNR-057 with Thermowell  
 SNR-057-2 no Thermowell  
 SNR-077 Thermowell only

4" / -50° - 125°F

SNR-058 with Thermowell  
 SNR-058-2 no Thermowell  
 SNR-077 Thermowell only

4" / 0° - 300°F



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

Thermowell

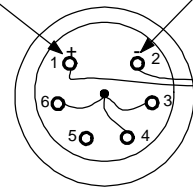
### Wiring Connections



#### Wiring Detail in Bell Housing

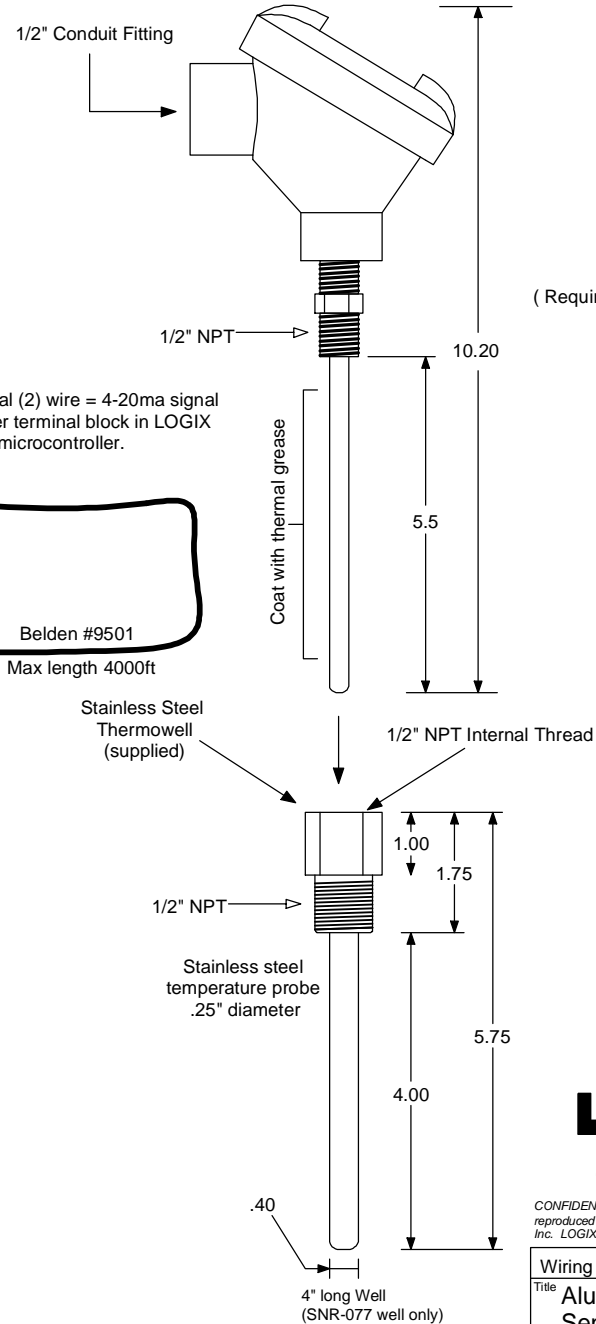
Terminal (1) wire = +24VDC from lower terminal block in LOGIX Axiom microcontroller.

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

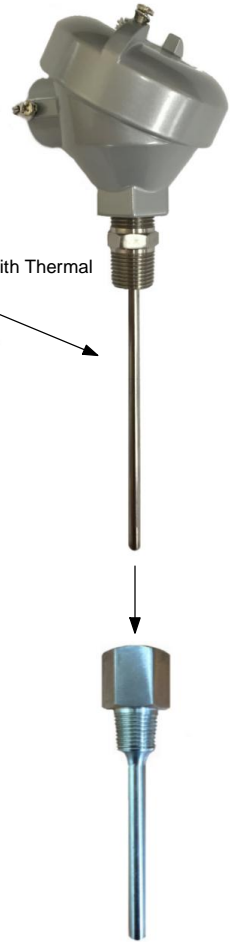


To LOGIX Panel

Belden #9501  
 Max length 4000ft



### Sensor Housing



( Required) Coat with Thermal Grease

Thermowell

### 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-057,SNR-058		
Date 03/2/15	Rev 01	Drawn by RCO
Drawing Filename SNR-057-058_Thermowell-AH.axd		