

### General Specifications

Sensing Element: 1000 Ohm Platinum Class A RTD  
 Temp Coefficient: .00385 Ohm/C  
 Temperature Effect: .02% @ 55C  
 Transmitter Output: 2-wire linear 4-20ma current  
 Transmitter Operating Temperature: -40 - 85C  
 Transmitter Operating Humidity: 0 - 90% non-condensing  
 Transmitter Calibrated Accuracy: .2% of full scale span  
 Repeatability: +/- .2C  
 Enclosure: Plastic NEMA4X  
 Recommended Field Calibration Interval: 12 months

#### SNR-010 Temperature Range

-50 - 125 F

#### SNR-010 Humidity Range

0 - 100%

#### NOTES:

Requires 4 conductor #24 AWG shielded cable up to 4000' in length. Two Belden #9501 cables may be used. Ground shield at control panel end only. Insulate shield at sensor end.

Typical Condenser Control Mounting Instructions: For an outside configuration, the transmitter should be mounted under an eave, shield, or in an area out of the elements or direct sunlight. Do not locate in an area of poor airflow such as the corner of a wall or near a condenser tower obstructed by piping.

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.

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, 4 conductor cable run in separate conduit from power wiring. Wiring applications below -22°F/-30°C requires Belden #88761 shielded cable or equal.

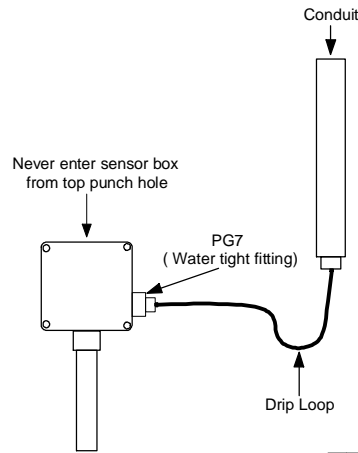
The sensor cable ground shield should be grounded inside the LOGIX Panel and left floating with heat shrink insulation at the sensor end.

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

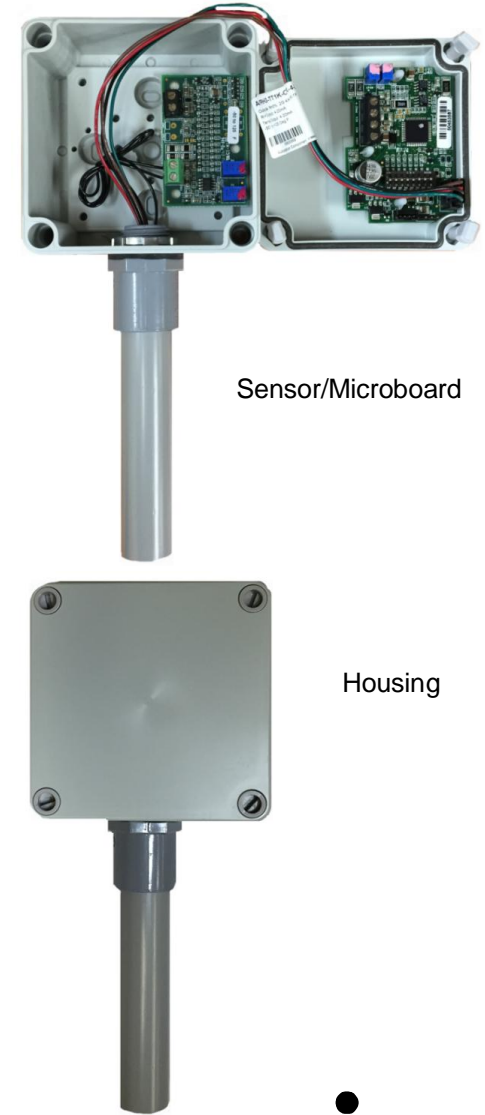
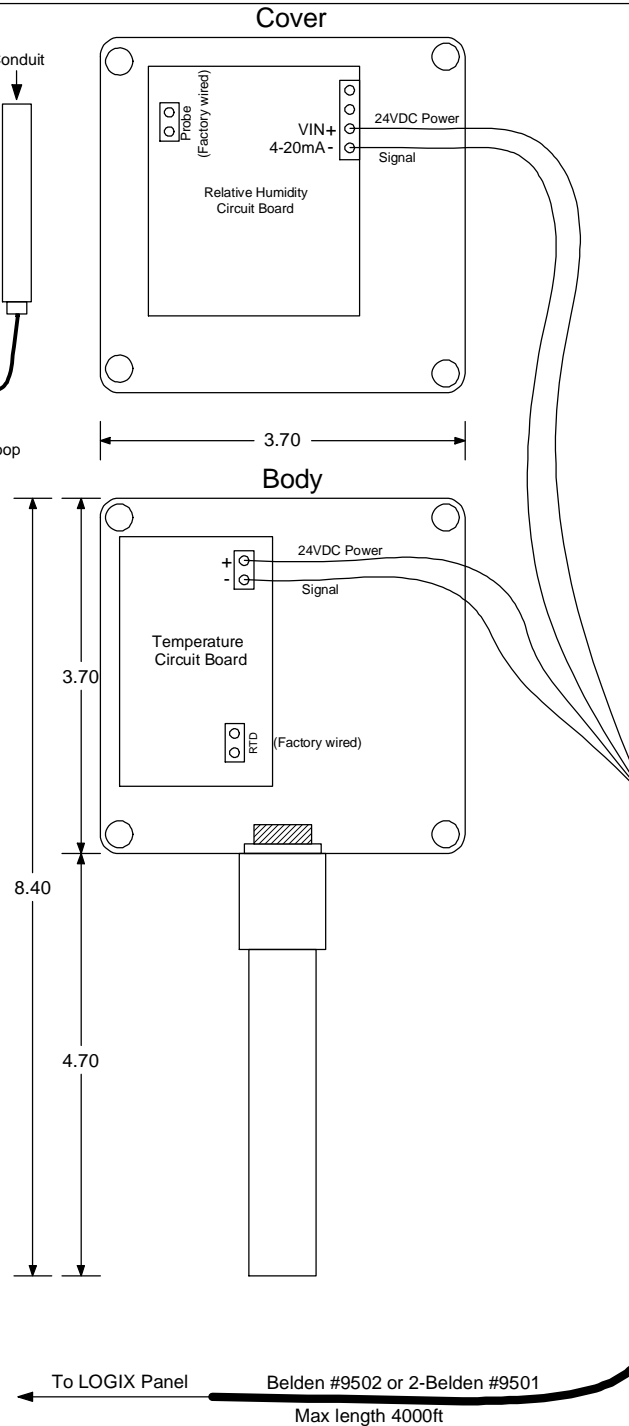
**NEVER** run the Belden sensor cable in the same conduit as power wiring.

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.



Note\*: Correct mounting of transmitter allows probe to face down. Any other direction of probe would imply incorrect mounting of outside transmitter.



Sensor/Microboard

Housing



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Wiring & Installation Detailed Drawing		
Title		
Temperature/Humidity Sensor		
LOGIX P/N: SNR-010		
Date	Rev	Drawn by
08/16/18	01	RCO
Drawing		
Filename SNR-010_Wetbulb.axd		