Air Temperature Sensor - Model 12
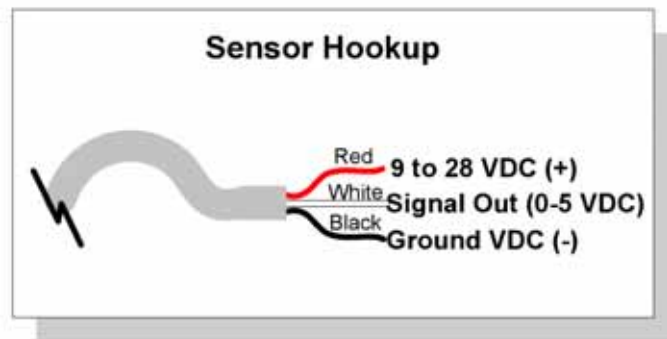

Features
Applications for the probe include the following:

• Monitor ambient temperature and signal wind machines to start.
• Monitor and maintain cargo temperatures.

The Model 12 Air Temperature Sensor is intended for use in applications that monitor slowly changing temperature. The unit gives approximately .5 °F (.25 °C) resolution when used with an 8-bit analog input.

Temperature Sensing Range		
VDC Out	°C	°f
0.00	-18	0
0.25	-14.5	5.8
0.50	-11.4	11.5
0.75	-8.2	17.3
1.00	-5	23.0
1.25	-1.8	28.8
1.50	1.4	34.5
1.75	4.6	40.3
2.00	7.8	46.0
2.25	11	51.8
2.50	14.2	57.5
2.75	17.4	63.3
3.00	20.6	69.0
3.25	23.8	74.8
3.50	27	80.5
3.75	30.2	86.3
4.00	33.3	92.0
4.25	36.6	97.8

Specifications

Temperature Capability
Useful Operating Temperature Range: 0°F to 115°F (-18°C to 46°C)
Component Temperature Range: -85°F to 300°F (-65°C to 150°C)
Accuracy: 2% of full scale with software offset correction.

Voltage
Power Input Voltage: 9 to 28 VDC
Current Draw: 1mA
Cable: 2 foot length, 22 AWG, stranded
Clamp: 1/2" ID, provided (P/N 00-03-0392)

How to Order
Air Temperature sensor - Model 12 - P/N 10-70-7483

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