

Analog Sensors—100K Ω Thermistor

Description

100K Ohm Thermistor sensors provide input for cost-effective, accurate temperature sensing (detecting) for controllers from Siemens Industry, Inc. via a 20 AWG twisted, shielded cable pair. The sensor resistance varies according to the temperature being measured. Several models are available for specific mounting and sensing applications.

Specifications

Temperature monitoring range	See <i>Sensor Specifications</i>
Output signal	Changing resistance
Elements	Thermistor
Accuracy	$\pm 0.36^{\circ}\text{F}$ ($\pm 0.2^{\circ}\text{C}$) at calibration point 77°F (25°C)
Reference resistance at 77°F (25°C)	100K Ω



Figure 2. Outside Air Temperature Sensor.



Figure 3. Duct (Single Point) Temperature Sensor (535-741-18 Shown with AQM2000 Accessory).



Figure 1. Surface Mounted Pipe Sensor.



Figure 4. Averaging Rigid Temperature Sensor.