



MOISTURE RESISTANT TEMPERATURE SENSORS

Many temperature sensing applications in HVAC, appliance and other industries require that the sensor be mounted in or near areas that are subject to moisture due to condensation. Thermistors can be seriously affected by long term exposure to moisture in these situations. Over time, this condition will cause low or very erratic resistances due to sensor instability. In high moisture environments, it's imperative that the internal construction of the probe assembly is capable of sealing off all moisture paths to the thermistor.

The Moisture Resistant Thermistor design provides an excellent moisture seal between all parts of the system and deters water from entering the assembly. A unique internal construction is utilized as well as a special combination of wire and epoxies to provide a moisture resistant seal to the outside environment and, thus protecting the thermistor sensing element.

Any number of different thermistor curves and values can be accommodated as well as a broad range of housing and wire styles. Terminations can be provided utilizing various connector pins or plugs. Please contact the factory for specific design or application information on the availability of options.

Features

- Can accommodate a wide array of thermistor sensing elements
- Wide operating temperature range: -40°C to 125°C
- Excellent for freeze/thaw applications in refrigeration, HVAC and appliance industries
- Standard cable length is 10 ft.
- Standard housing is 0.25" OD Nickel-plated Brass

Applications

- HVAC Equipment
- Refrigeration Systems
- Appliances
- Compressors

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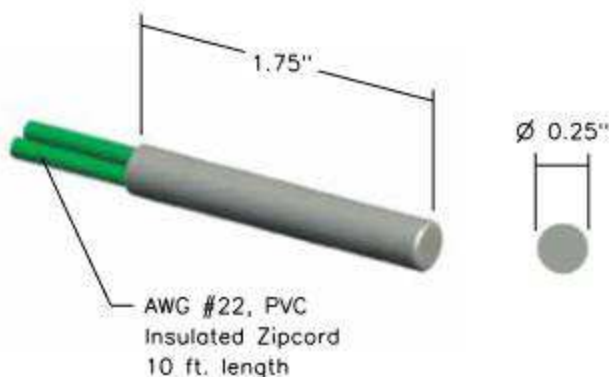
Dimensions (inches)

Length 1.75

Diameter 0.25 (nominal)

AWG #22, PVC Insulated Zipcord, 10 ft.

Standard temperature accuracy is $\pm 0.2^{\circ}\text{C}$ from 0°C to 70°C .
Other resistance values and accuracies available upon request.



Part Number	R ₂₅ (Ω)	Material Curve	Wire Color
A2253BT22P0	2,252	Z	Orange
A3003BT22P0	3,000	Z	Black
A5003BT22P0	5,000	Z	Blue
A1004BT22P0	10,000	Z	Black

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