

Outdoor Air Temperature Sensor



Features:

- General purpose outdoor air temperature sensor
- Available in threaded PVC version with rugged weatherproof electrical box
- Easy installation - just threads into mounting hole or standard handy box installation
- Fully potted metal housing protects sensing element and provides fast, accurate temperature sensing
- Cost efficient design
- Sturdy construction - all metal housing with PVC solar shield with optional weatherproof electrical box

Description:

The MS Outdoor Air Temperature Sensor is designed for use in residential and commercial building automation controls. It features a fast response, precision thermistor sensing element that is totally sealed against the outdoor elements. The PVC sun-shield prevents false readings from direct sunlight. An optional weatherproof electrical box allows for simple installation and provides an extra rugged and reliable sensor for energy management and HVAC applications.

Options:

- Sensor values, curves and accuracies
- Alternate configurations for sun shield
- Weatherproof electrical box

Ordering Information

Standard Outdoor Air Temperature Sensor

MS Part Number	R25 (Ω)	Material Curve
A3003PA22P0	3,000	Z
A5003PA22P0	5,000	Z
A1004PA22P0	10,000	Z

Outdoor Air Sensor with Weatherproof Box

MS Part Number	R25 (Ω)	Material Curve
A3003WA22P0	3,000	Z
A5003WA22P0	5,000	Z
A1004WA22P0	10,000	Z

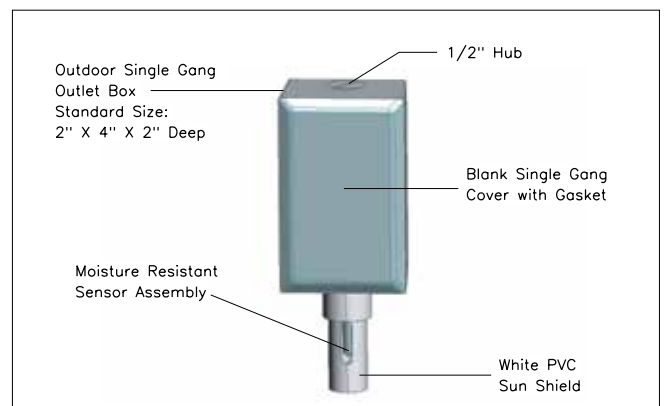
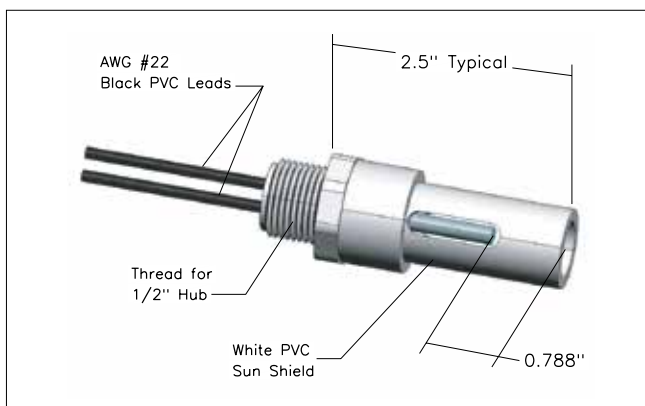
Standard temp accuracy is $\pm 0.2^{\circ}\text{C}$ from 0°C to 70°C
Resistance versus temperature information for material curve Z can be found on page 59.



Standard Outdoor Air Temperature Sensor



Outdoor Air Sensor with Weatherproof Box



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[A1004WA22P0](#)