## PRECISION OUTDOOR THERMAL SENSOR

THERMISTOR

# MODEL PTS-O3

## DESCRIPTION

The Model PTS-O3 Precision Outdoor Thermistor Sensor provides precision remote temperature sensing for the Proliphix NT20e and NT120e/h Network Thermostats. The active sensing element is a highly stable precision thermistor material accurate to within +/- .36°F (0.2°C).

The temperature-sensitive element is sheathed in a stainless steel tube and mounted inside a ventilated, treated, white PVC shield to minimize radiant energy and weather related effects.

## FEATURES

- 2" x 4" weatherproof box
- Five-year warranty
- +/- .36°F (0.2°C) accuracy
- Vented weathershield for quick temperature response
- Moistureproof with 8ft lead

## APPLICATION

The outdoor air temperature assemby should be located in the shade, away from all devices (such as exhaust fans) that would disturb the outdoor environment. A prefered location would be below the eaves, one foot down from the top of the wall, in a permanaently shaded spot.

The sensor should be mounted horizontally, with the element to the right or left of the handibox. The weather shield assembly features a tapered fitting which allows the shield to be rotated by hand. Air vents on the shield should face downward. Internal mounting knockouts provide for direct wall mountingusing screws or toggle bolts.

## SPECIFICATIONS

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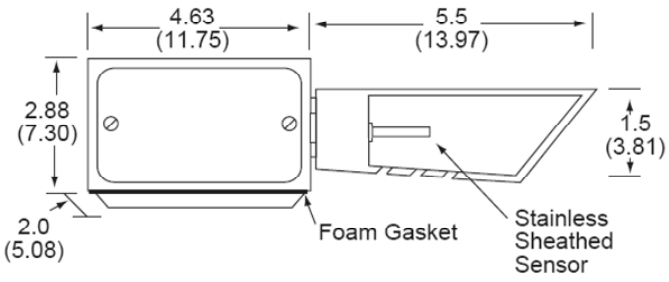
|---|---|
| **Sensing Element** | Thermistor (thermal resistor) |
| **Accuracy** | +/- .36°F (0.2°C) |
| **Temp Range** | -30°F to 140°F (34 to 60°C) |
| **Temp Response** | NTC - Thermistor |
| **Thermistor Stability** | 0.24°F (0.13°C) over 5 years |
| **Connection** | 8ft (2.44m) 24 AWG pigtails |
| **Mounting** | Directly to wall with screws or toggle bolts |
| **Probe** | 304 Stainless Steel |

## DIMENSIONS



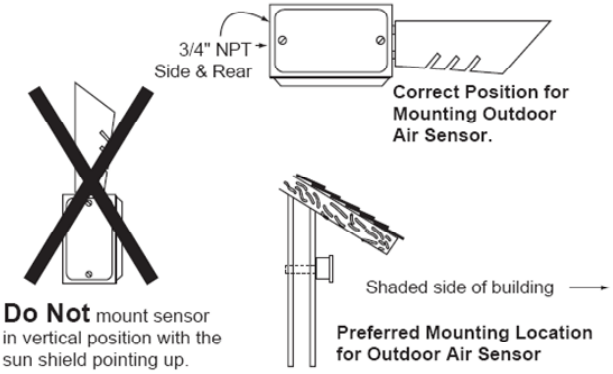

## MOUNTING

**Mounting**

Toggle bolts or other direct wall mount screws can be used for outside mounting. For conduit connections, 3/4" NPT threads are available in the back and side.

**Wiring**

Terminate using the full 8' (2.44m) lead length provided to avoid moisture migration from the field connection. Solder the leads where possible or use crimp-type butt splice. Wire nuts are not recommended.




For best results do not mount above doors, windows, air intakes, or exhausts.