

PRECISION DUCT THERMAL SENSOR MODEL PTS-D3

THERMISTOR

DESCRIPTION

The Model PTS-D3 Precision Duct Thermistor Sensor provides remote duct 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 sensing element is sealed with a thermally conductive compound in a versatile 9" (22.8cm) long 304 stainless steel tube attached to a 4" electrical strap. The slots in the mounting bracket form mounting ears for direct duct mounting and standard electrical boxes. The grommet on the tube fitting seals a 9/16" (1.43 cm) insertion hole.

FEATURES

- Sensitive tip for precise measurements
- Waterproof probe
- 304 Stainless steel 9" probe
- Five-year warranty
- +/- .36°F (0.2°C) accuracy
- 25ft (7.37m) lead

APPLICATION

The PTS-D3 is designed for direct mounting on sheet metal duct systems. Where conduit is required, the duct sensor has a universal nylon mounting connector which adapts to a ½" knockout in a standard handibox. The nylon fitting has a ½" NPT female conduit fitting.

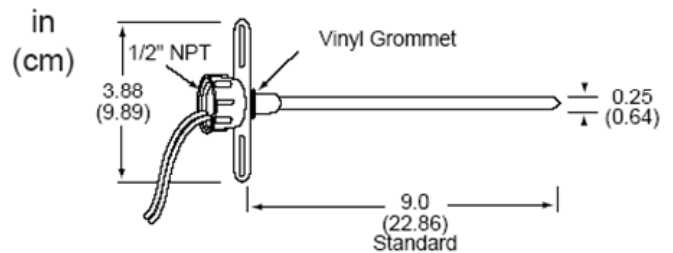
The duct temperature sensor is waterproof and is point sensitive and comes with a 9" insertion depth.

SPECIFICATIONS

Sensing Element	Thermistor (thermal resistor)
Accuracy	+/- .36°F (0.2°C)
Temp Range	-30°F to 160°F (34 to 71°C)
Temp Response	NTC - Thermistor
Thermistor Stability	0.24°F (0.13°C) over 5 years
Connection	25ft (7.37m) 24 AWG pigtails
Mounting	Directly to duct, wall or customer supplied back box, no adapters needed for standard boxes.



DIMENSIONS



MOUNTING

Direct duct-mount screws can be used where conduit is not required. Adapters are not required when mounting directly to outlet boxes. Install grommet in the 9/16" (1.43 cm) insertion hole. Use full 8' (2.4m) lead length provided to avoid moisture migration at the field connection.

Basic model comes with 8' (2.4m) of 24 AWG, 9" (22.86 cm) probe with T-bar, grommet, and #6 x 1 screws for direct duct mounting.

