



TS-O2X Sensor Series

Outdoor Temperature Sensors, Nema 4X



Overview

This series is composed of single-point precision temperature sensors for outside air. The sensing element is constructed so as to provide excellent heat transfer and fast response, and it is potted so as to resist moisture penetration. A sun and wind shield is integrated into the enclosure. The sensor should be mounted, using the provided mounting holes, on an outside north-facing wall under the eaves, so that it can be protected from direct sunlight.

Applications

- Used for measuring outdoor temperature

Features & Benefits

- Economical
- Ease of installation
- Wide selection of thermistor curves
- Accurate temperature monitoring for increased comfort
- Sensors are hermetically sealed

Model Selection

TS-O2X	Outside Air Sensors (ABS Enclosure and Hinged Cover)
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Product Specifications

Environmental

Operating Temperature _____ -50°C to 100°C; -58°F to 212°F

Enclosure

Material _____ (Grey) Hinged Lid, ABS - UL94-V0 - IP65 (NEMA 4X)

Shipping weight _____ 0.30lbs (0.14Kg)

Electrical

Dissipation Factor _____ 2.2mW/K (Thermistor)

Max Power @ 25°C (77°F) _____ 75mW (Thermistor)

Thermal Time Constant _____ Less than 10s (Thermistor)

Temperature Sensor

Type¹ _____ 10kΩ NTC thermistor, Type 2

Accuracy _____ ±0.2°C; ±0.36°F

Agency Approvals

Material² _____ UL94-V0

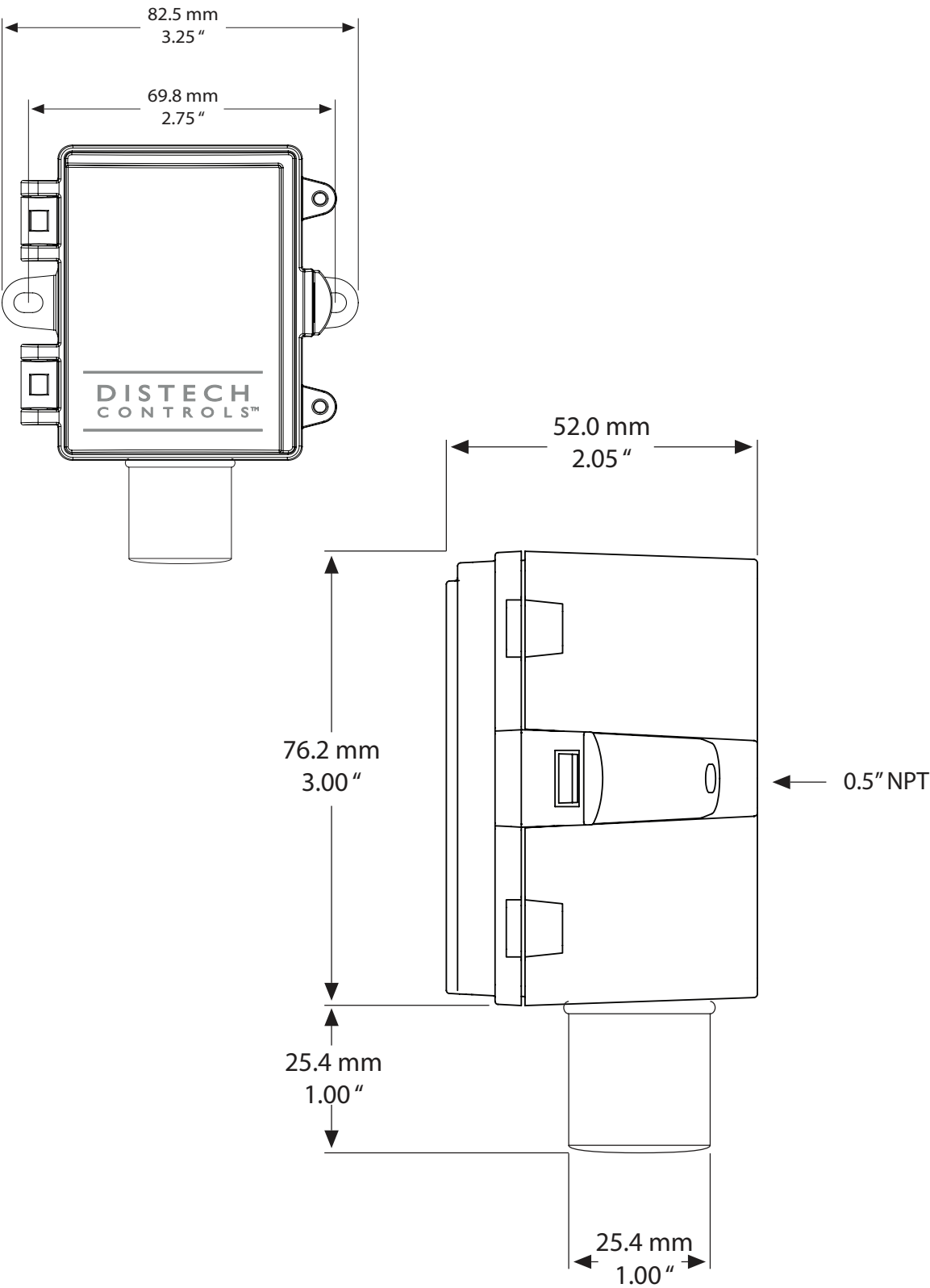


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1. Temperature sensor type stated is standard. Other temperature sensor types are available
2. All materials and manufacturing processes comply with the RoHS directive.

Dimensions

TS-O2X



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