Outside Air Temperature Sensors

NEMA 4X, Removable Terminal Block

The Series O-4 Outside Air Temperature Sensors are great for monitoring ambient air temperatures in outdoor applications. The temperature sensors are mounted in a NEMA 4X enclosure with integral mounting tabs. The mounting tabs can be used to surface or suspension mount the temperature sensors. The removable terminal block makes installation easy. The Series O-4 can be used to measure outside air temperatures in building automation systems or room temperatures inside agricultural ventilation houses.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor Type</th>
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<tbody>
<tr>
<td>O-4A</td>
<td>10K Ohm Type III Thermistor</td>
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<tr>
<td>O-4B</td>
<td>10K Ohm Type II Thermistor</td>
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<tr>
<td>O-4C</td>
<td>3K Ohm Thermistor</td>
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<tr>
<td>O-4D</td>
<td>Pt100 Ohm RTD</td>
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<tr>
<td>O-4E</td>
<td>Pt1000 Ohm RTD</td>
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<tr>
<td>O-4F</td>
<td>20K Ohm Thermistor</td>
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</table>

SPECIFICATIONS

Accuracy: Thermistor temperature sensor: ±0.22°C @ 25°C (±0.4°F @ 77°F); RTD temperature sensor: DIN class B: ±0.3°C @ 0°C (±0.5°F @ 32°F).

Operating Temperature: -40 to 250°F.

Probe Diameter: 0.235˝ (5.97 mm).

Probe Length: 3.5˝.

Probe Material: 304 SS.

Mounting: Suspension or surface.

Enclosure Rating: NEMA 4X (IP66).

Weight: 3 oz (85 g).

Air/Duct Temperature Sensors

Air/Duct Temperature Sensors are available in precision platinum, nickel, or balco RTDs and interchangeable NTC thermistors. Sensors are constructed with a hermetically sealed 304 SS sheath and are unaffected by high humidity, contamination, thermal shock or vibration. Flange mount sensors offer low profile mounting and quick installation directly into duct work. Rugged air/duct sensors are ideal for air handlers, fan coil units, ducts, furnaces, freezers, ovens and other through wall temperature sensing applications.

SPECIFICATIONS

Accuracy: Platinum RTD: ±0.6% @ 32°F (0°C); Nickel RTD: ±0.5% @ 32°F (0°C); Balco RTD: ±0.1% @ 32°F (0°C); Thermistors: ±0.36°F from 32 to 158°F (0 to 70°C).

Operating Temperature: -32 to 240°F (-35.5 to 115.5 °C).

Probe Diameter: 1/4˝ (6.3 mm).

Cable Length: 8˝ (housing models only).

Probe Material: 304 SS.