SERIES O-4
OUTSIDE AIR TEMPERATURE SENSOR
NEMA 4X, Removable Terminal Block

The Series O-4 Outside Air Temperature Sensor is great for monitoring ambient air temperatures in outdoor applications. The temperature sensors are mounted in a NEMA 4X enclosure with integral mounting tabs.

FEATURES/BENEFITS
• NEMA 4X weatherproof housing
• Surface or suspension mount

APPLICATIONS
• Agricultural house ventilation
• HVAC and building automation

SERIES S2-1
SURFACE MOUNT TEMPERATURE SENSOR
RTD and Thermistor, 304 SS Probe

The Series S2-1 Surface Mount Temperature Sensor provides a cost effective and reliable solution for surface contact temperature measurement of conditioned water pipes, low pressure steam or refrigerant lines.

FEATURES/BENEFITS
• Low profile sensor can be taped or strapped to the outside of a pipe
• Ideal for applications where immersion wells are not feasible

APPLICATIONS
• Heating or cooling loop line temperature monitoring
• HVAC systems

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor Type</th>
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<th>Sensor Type</th>
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</thead>
<tbody>
<tr>
<td>S2-11</td>
<td>Pt100Ω RTD</td>
<td>S2-17</td>
<td>5kΩ NTC thermistor</td>
</tr>
<tr>
<td>S2-12</td>
<td>Pt1000Ω RTD</td>
<td>S2-18</td>
<td>10kΩ NTC thermistor</td>
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<tr>
<td>S2-13</td>
<td>Ni1000Ω RTD</td>
<td>S2-19</td>
<td>20kΩ NTC thermistor</td>
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<td>S2-14</td>
<td>1000Ω Balco® RTD</td>
<td>S2-1A</td>
<td>2252Ω NTC thermistor</td>
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<tr>
<td>S2-15</td>
<td>10kΩ type II thermistor</td>
<td>S2-1B</td>
<td>10kΩ type III NTC thermistor</td>
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</table>

SPECIFICATIONS
Accuracy: Platinum RTD: ±0.1% @ 32°F (0°C), alpha 385 per DIN 43760; Nickel RTD: ±0.5°F @ 70°F (21.1°C); Balco®: ±0.5°F @ 70°F (21.1°C); Thermistor: ±0.2°C interchangeable @ 77°F (25°C).
Operating Temperature: -40 to 250°F (-40 to 125°C).
Probe Diameter: 1/4” (6.3 mm).
Probe Length: 1” (25 mm).
Probe Material: 304 SS.

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<tr>
<td>O-4A</td>
<td>Pt100Ω RTD</td>
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<td>O-4B</td>
<td>Pt100Ω RTD</td>
<td>O-4E</td>
<td>Pt100Ω RTD</td>
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<tr>
<td>O-4C</td>
<td>3kΩ thermistor</td>
<td>O-4F</td>
<td>20kΩ NTC 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°F @ 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).
Agency Approvals: Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).