**Humidity/Temperature Transmitters**

**AIR QUALITY**

The Series RH-R Humidity Transmitter is the ideal transmitter for those applications where space is limited. The compact sensor is protected by a removable filter. It can be mounted up to 16 feet away from the weatherproof base. The Series RH-R is ideal for environmental chambers, rubber bladder burst detection and air handler applications.

<table>
<thead>
<tr>
<th>Model</th>
<th>RHU-R004</th>
<th>RHU-R012</th>
<th>RHU-R016</th>
<th>RHT-R004</th>
<th>RHT-R008</th>
<th>RHT-R012</th>
<th>RHT-R016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Length</td>
<td>8’</td>
<td>12’</td>
<td>16’</td>
<td>8’</td>
<td>8’</td>
<td>12’</td>
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<tr>
<td>Description</td>
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**SPECIFICATIONS**

Service: Dry clean air.
Relative Humidity Range: 0 to 100% RH.
Temperature Range: -40 to 140°F (-40 to 60°C).
Accuracy: ±2% @ 10-90%.
Temperature Limits: -40 to 140°F (-20 to 60°C).
Drift: Less than 1%/year.
RH Sensor: Capacitance polymer
Cable Length: Up to 16 ft.
Housing Material: Polycarbonate, aluminum enclosure.
Enclosure Rating: NEMA 4X (IP66).
Agency Approvals: CE.

**Outside Air Humidity Radiation Shield**

6 or 10 Plate Design, Integral Pipe Mounting Kit

The Model RHRS Radiation Shield protects outside air humidity transmitters from rain and radiated heat. With the curved shape and color of the plates, air flow is able to move across the sensor to keep radiated temperatures from rooftops and surrounding surfaces from affecting humidity readings. For ease of installation, the Model RHRS has integral pipe mounting hardware which can be removed for surface mounting applications. The brackets on the Model RHRS are specifically designed to be installed on the Dwyer Series RHP outside air humidity transmitters with sintered filters. The pipe mounting bracket fits 3/4” to 1-1/2” iron pipe.

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**Model RHRS, 6 Plate Radiation Shield** ................................................. $40.00
**Model RHRS-10, 10 Plate Radiation Shield** ........................................... $85.00

**Humidity/Temperature Transmitter**

Remote Mount, Field Replaceable Sensor Filter; Up to 16 Cable

The Series RH-R Humidity Transmitter is the ideal transmitter for those applications where space is limited. The compact sensor is protected by a removable filter. It can be mounted up to 16 feet away from the weatherproof base. The Series RH-R is ideal for environmental chambers, rubber bladder burst detection and air handler applications.

**Model RHU-R004**

- Description: Humidity
- Cable Length: 8’
- Price: $248.00

**Model RHU-R012**

- Description: Humidity
- Cable Length: 12’
- Price: $248.00

**Model RHU-R016**

- Description: Humidity
- Cable Length: 16’
- Price: $248.00

**Model RHT-R004**

- Description: Humidity/Temperature
- Cable Length: 8’
- Price: $259.00

**Model RHT-R008**

- Description: Humidity/Temperature
- Cable Length: 8’
- Price: $259.00

**Model RHT-R012**

- Description: Humidity/Temperature
- Cable Length: 12’
- Price: $259.00

**Model RHT-R016**

- Description: Humidity/Temperature
- Cable Length: 16’
- Price: $259.00

**SPECIFICATIONS**

Service: Dry clean air.
Relative Humidity Range: 0 to 100% RH.
Temperature Range: -40 to 140°F (-40 to 60°C).
Accuracy: ±2% @ 10-90%.
Temperature Limits: -40 to 140°F (-20 to 60°C).
Drift: Less than 1%/year.
RH Sensor: Capacitance polymer
Cable Length: Up to 16 ft.
Housing Material: Polycarbonate, aluminum enclosure.
Enclosure Rating: NEMA 4X (IP66).
Agency Approvals: CE.

**Storage Temperature**: -40 to 176°F (-40 to 80°C).

**Compensated Temperature Range**: 4 to 140°F (-20 to 60°C).

**Power Requirements**: 10 to 35 VDC.

**Output Signal**: 4 to 20 mA loop powered or 0 to 10 VDC.

**Response Time**: Less than 15 seconds.

**Electrical Connections**: Terminal block.

**Conduit Connection**: 1/2” NPT.

**Process Connection**: 1/2 NPSM.

**RH Sensor**: Capacitance polymer

**Cable Length**: Up to 16 ft.

**Housing Material**: Polycarbonate, aluminum enclosure.

**Enclosure Rating**: NEMA 4X (IP66).

**Agency Approvals**: CE.