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.

**SPECIFICATIONS**

- **Service:** Dry clean air.
- **Relative Humidity Range:** 0 to 100% RH.
- **Temperature Range:** -40 to 140°F (-20 to 60°C).
- **Accuracy:** ±2% RH @ 10-90%.
- **Temperature Limits:** -40 to 140°F (-20 to 60°C).
- **Drift:** Less than 1%/year.
- **Compensated Temperature Range:** -40 to 176°F (-40 to 80°C).

- **Output Signal:** 4-20 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.
- **Drift:** Less than 1%/year.
- **RH Sensor:** Capacitance polymer
- **Cable Length:** Up to 16 ft.
- **Housing Material:** Polycarbonate, aluminum end cap.
- **Enclosure Rating:** NEMA 4X (IP65).
- **Agency Approvals:** CE.

### Table 1: RH-R Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Output</th>
<th>Model</th>
<th>Description</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHU-R004</td>
<td>Humidity</td>
<td>Current</td>
<td>RHU-R104</td>
<td>Humidity</td>
<td>Voltage</td>
</tr>
<tr>
<td>RHU-R008</td>
<td>Humidity</td>
<td>Current</td>
<td>RHU-R108</td>
<td>Humidity</td>
<td>Voltage</td>
</tr>
<tr>
<td>RHU-R012</td>
<td>Humidity</td>
<td>Current</td>
<td>RHU-R112</td>
<td>Humidity</td>
<td>Voltage</td>
</tr>
<tr>
<td>RHT-R004</td>
<td>Humidity/Temperature</td>
<td>Current</td>
<td>RHT-R104</td>
<td>Humidity/Temperature</td>
<td>Voltage</td>
</tr>
<tr>
<td>RHT-R008</td>
<td>Humidity/Temperature</td>
<td>Current</td>
<td>RHT-R108</td>
<td>Humidity/Temperature</td>
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</tr>
<tr>
<td>RHT-R012</td>
<td>Humidity/Temperature</td>
<td>Current</td>
<td>RHT-R112</td>
<td>Humidity/Temperature</td>
<td>Voltage</td>
</tr>
<tr>
<td>RHT-R016</td>
<td>Humidity/Temperature</td>
<td>Current</td>
<td>RHT-R116</td>
<td>Humidity/Temperature</td>
<td>Voltage</td>
</tr>
</tbody>
</table>

**Speaker Specifications**

- **Power Requirements:** 10 to 28 VDC.
- **Weight:** 0.6 lb (0.3 kg).
- **Agency Approvals:** CE.