The Series RHP-W Wall Mount Humidity/Temperature/Dew Point Transmitter is the most versatile room transmitter on the market. The stylish housing is well vented to provide air flow across the sensor to improve measurement accuracy. An optional LCD display can be integral to the transmitter or a remote display can be ordered for building balancing or LEED® validation. The LCD display indicates the ambient temperature along with the humidity or dew point. The transmitter has internal dip switches to select the temperature engineering units and whether the transmitter outputs humidity or dew point.

<table>
<thead>
<tr>
<th>Example</th>
<th>RHP</th>
<th>W</th>
<th>Z</th>
<th>Options</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-20mA 0-5 VDC/10 VDC</td>
<td>3-13/32 [86.52]</td>
<td>1-3/8 [35.72]</td>
<td>1-13/32 [50.01]</td>
<td>4-31/64 [113.9]</td>
<td>35/64 [13.89]</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

Relative Humidity Range: 0 to 100% RH
Temperature Range: -40 to 140°F (-40 to 60°C) for thermostor and RTD sensors. -20 to 140°F (-28.9 to 60°C) for solid state temperature sensors.
Dew Point Temperature Range: -20 to 140°F (-28.9 to 60°C); 0 to 100°F (-17.8 to 37.8°C); 40 to 90°F (4.4 to 32.3°C); -4 to 140°F (20 to 60°C) field-selectable ranges.

Accuracy:
- RH: Model RHP-2XXX ±2%; Model RHP-3XXX ±3%
- 10-90% RH @ 25°C, Model RHP-5XXX ±5% 20-80% RH @ 25°C
- Model RHP-BXXX ±0.5% 20-80% RH @ 25°C
- Thermostor temperature sensor: ±0.36°F @ 77°F (±0.2°C @ 25°C)
- RTD temperature sensor: DIN Class B ±0.5°F @ 32°F (±0.3°C @ 0°C)
- Solid state temperature sensor: ±0.9°F @ 72°F (±0.3°C @ 25°C)

Hysteresis: ±1%

Repeatability: ±0.1% typical.

Temperature Limits:
- Operating: -40 to 140°F (-40 to 60°C);
- Storage: -40 to 176°F (-40 to 80°C)

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

4-20 mA Loop Powered Outputs:
- Power requirements: 10 to 35 VDC
- Output signal: 4 to 20 mA, 2 channels for humidity/solid state temperature sensor models (loop powered on RH). Switch selectable RH/dew point. Switch selectable normal or reverse output.

0-5/10V Outputs:
- Power requirements: 15 to 35 VDC or 15 to 29 VAC
- Output load: 5 mA max., 2 channels for humidity/solid state temperature sensors models. Switch selectable 0-10V/2-10V or 0-5V/1-5V output. Switch selectable normal or reverse output.

Solid State Temperature Sensor Output Ranges: Switch selectable, -20 to 140°F (-28.9 to 60°C); 0 to 100°F (-17.8 to 37.8°C); 40 to 90°F (4.4 to 32.3°C); -4 to 140°F (20 to 60°C).

Response Time: 15 seconds.

Electrical Connections: Screw terminal block.

Drift: <1% RH/year

RH Sensor: Capacitance polymer

Enclosure Material: Warm gray polycarbonate

Display: Optional LCD, backlit on 0-5/10V models. Switch selectable %RH or dew point, °F/C

Display Resolution: RH: 1%; Temperature: 0.1°F (0.1°C); Dew Point: 1°F (1°C)

Weight: 0.3 lb (0.14 kg)

Agency Approvals: CE

**ACCESSORIES**

A-449, Remote LCD Display allows remote indication of select Dwyer Wall Mount Transmitters for validation or certification purposes $50.00

SCD-PS, 100-240 VAC/VDC to 24 VDC

Power Supply: $30.00

**NIST traceable calibration certificate** $121.00

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