



Wall Mount Humidity/Temperature/Dew Point Transmitter

Optional LCD Display, Replaceable Sensors

Models Select Chart

| Model | Description |
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| RHP-2E40 | European Wall Mount Humidity Transmitter with 2% accuracy and universal current / voltage output for RH |
| RHP-2E40-LCD | European Wall Mount Humidity Transmitter with 2% accuracy and universal current / voltage output for RH with LCD |
| RHP-2E44 | European Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and Temperature |
| RHP-2E44-LCD | European Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and Temperature with LCD |
| RHP-2E4A | European Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and 10K Type III thermistor Temperature Sensor |
| RHP-2E4B | European Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and 10K Type II thermistor Temperature Sensor |
| RHP-2N40 | North American Wall Mount Humidity Transmitter with 2% accuracy and universal current / voltage output for RH |
| RHP-2N40-LCD | North American Wall Mount Humidity Transmitter with 2% accuracy and universal current / voltage output for RH with LCD |
| RHP-2N44 | North American Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and Temperature |

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| RHP-2N44-LCD | North American Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and Temperature with LCD |
| RHP-2N4A | North American Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and 10K Type III thermistor Temperature Sensor |
| RHP-2N4B | North American Wall Mount Humidity / Temperature Transmitter with 2% accuracy and universal current / voltage output for RH and 10K Type II thermistor Temperature Sensor |
| RHP-3E40 | European Wall Mount Humidity Transmitter with 3% accuracy and universal current / voltage output for RH |
| RHP-3E40-LCD | European Wall Mount Humidity Transmitter with 3% accuracy and universal current / voltage output for RH with LCD |
| RHP-3E44 | European Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and Temperature |
| RHP-3E44-LCD | European Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and Temperature with LCD |
| RHP-3E4A | European Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and 10K Type III thermistor Temperature Sensor |
| RHP-3E4B | European Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and 10K Type II thermistor Temperature Sensor |
| RHP-3N40 | North American Wall Mount Humidity Transmitter with 3% accuracy and universal current / voltage output for RH |
| RHP-3N40-LCD | North American Wall Mount Humidity Transmitter with 3% accuracy and universal current / voltage output for RH with LCD |
| RHP-3N44 | North American Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and Temperature |
| RHP-3N44-LCD | North American Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and Temperature with LCD |
| RHP-3N4A | North American Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and 10K Type III thermistor Temperature Sensor |
| RHP-3N4B | North American Wall Mount Humidity / Temperature Transmitter with 3% accuracy and universal current / voltage output for RH and 10K Type II thermistor Temperature Sensor |

Accessories

| Model | Description |
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| A-449 | Remote display with mini USB display. |
| SCD-PS | 100 to 240 VAC/VDC to 24 VDC power supply |

Specifications:-

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| Relative Humidity Range | : | 0 to 100% RH. |
| Temperature Range | : | -40 to 140°F (-40 to 60°C) for thermistor and RTD sensors. -20 to 140°F (-28.9 to 60°C) for solid state band gap 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% 10 to 90% RH @ 25°C; Model RHP-3XXX ±3% 20 to 80% RH @ 25°C; Model RHP-5XXX ±5% 20 to 80% RH @ 25°C; Thermistor temperature sensor: ±0.36°F @ 77°F (±0.2°C @ 25°C); RTD temperature sensor: DIN Class B; ±0.54°F @ 32°F (±0.3°C @ 0°C); Solid state band gap temperature sensor: ±0.9°F @ 77°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 |

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| | | humidity/solid state temperature sensor models. Switch selectable 0-10 V/2-10 V or 0-5 V/1-5 V output. Switch selectable RH/dew point. Switch selectable normal or reverse output. |
| Solid State Band Gap Temp 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 s. |
| Electrical Connections | : | Screw terminal block. |
| Drift | : | <1% RH/year. |
| RH Sensor | : | Capacitance polymer. |
| Enclosure Material | : | White polycarbonate (European); Warm gray polycarbonate (North American). |
| Enclosure Rating | : | IP20. |
| Display | : | Optional LCD; 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 | : | 4.4 oz (125 g). |
| Agency Approvals | : | CE. |