The Series RHPLC Wall Mount Humidity/Temperature Transmitter is a compact economical sensor for the building automation marketplace. The stylish housing is well vented to provide air flow across the sensor to improve measurement accuracy. Each unit utilizes a capacitive polymer sensing element to deliver a proportional analog output. A combination humidity and temperature model can be configured with current, voltage, RTD, or thermistor output. A wide selection of passive RTD or thermistor temperature sensors are available in this series.

**FEATURES/BENEFITS**
- 2% or 3% accuracy models
- Humidity only or temperature and humidity combo
- Wide selection of passive thermistor or RTD temperature sensors

**APPLICATIONS**
- Air economizers
- Room comfort monitoring

**SPECIFICATIONS**
- **Sensor:** Capacitive polymer.
- **Relative Humidity Range:** 0-100% RH.
- **RH Accuracy:** ±2% 10 to 90% RH @ 25°C for 2% accuracy units; ±3% 20 to 80% RH @ 25°C for 3% accuracy units.
- **RH Hysteresis:** ±0.8%.
- **RH Repeatability:** ±0.1% typical.
- **Temperature Output Range:** -40 to 140°F (-40 to 60°C).
- **Passive Thermistor Temperature Sensor Accuracy:** ±0.36°F @ 77°F (±0.2°C @ 25°C).
- **Accuracy RTD Temp Sensor:** DIN Class B; ±0.3°C @ 0°C (±0.54°F @ 77°F).
- **Accuracy Current/Voltage Temperature Output:** ±0.9°F @ 72°F (±0.3°C @ 25°C).
- **Temperature Limits:** Operating: -40 to 140°F (-40 to 60°C); Storage: -40 to 176°F (-40 to 80°C).
- **Power Requirements:** 10 to 35 VDC for 4 to 20 mA or 0 to 5 VDC output; 15 to 35 VDC for 0 to 10 VDC output; 10 to 29 VAC for 0 to 5 VDC output; 15 to 29 VAC for 0 to 10 VDC output.
- **Response Time:** 8 s (t63).
- **Electrical Connections:** Screw terminal block.
- **Drift:** <0.25% RH/year.
- **Enclosure Material:** Polycarbonate.
- **Weight:** 4.4 oz (125 g).
- **Agency Approvals:** CE.