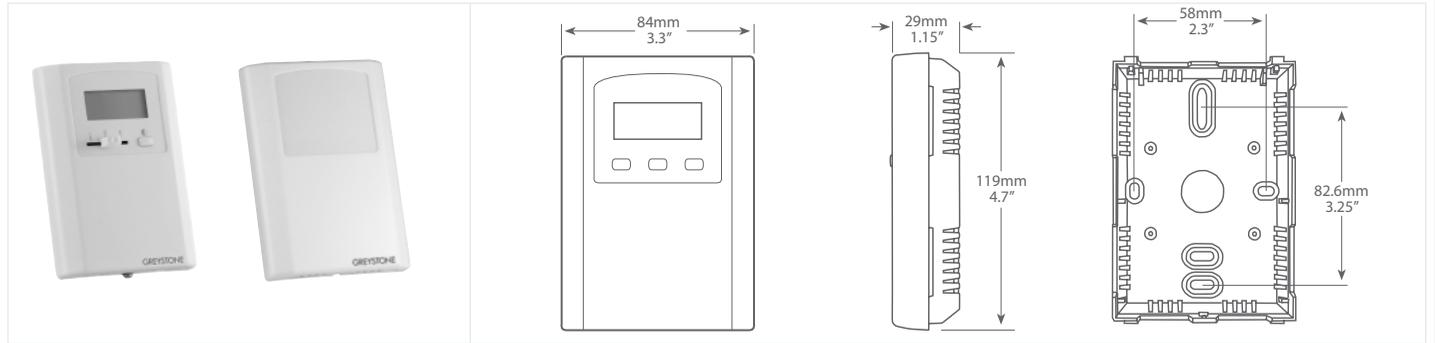




ROOM HUMIDITY TRANSMITTER



HRC SERIES

PRODUCT DESCRIPTION

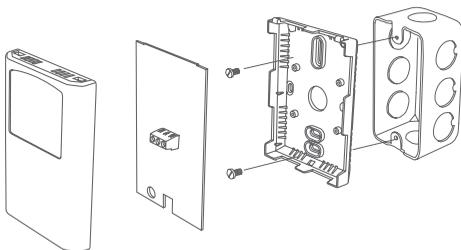
The HRC series room humidity transmitter uses a highly accurate and field-proven RH sensor in an attractive low profile enclosure to monitor room relative humidity levels. Additional options include an occupancy override button, a slide-pot setpoint control, a resistive temperature sensor and an LCD display. The RH output can be field selected as a linear 4-20 mA or 0-5 / 0-10 Vdc signal.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

The HRC series can be mounted directly to a single gang electrical box or directly to a wall. Multiple mounting holes are provided for connection to a variety of electrical boxes.

A terminal block connection is provided for connection to the Building Automation System.



SPECIFICATIONS

SENSOR	Thermoset polymer based capacitive
ACCURACY	±2, 3 or 5 %RH (5 to 95 %RH)
RANGE	0 to 100 %RH
RESOLUTION	0.01 %RH
HYSTERESIS	±0.8 %RH @ 25°C (77°F)
RESPONSE TIME	8 seconds typical
STABILITY	<0.25 %RH/year
POWER SUPPLY	24 Vac/dc ±10% typical, 28 Vac/dc maximum
CONSUMPTION	20 mA @ 24 Vdc
SIGNAL	4-20 mA / 0-5 or - 0-10 Vdc (field selectable)
OUTPUT DRIVE @ 24 VDC	Current: 550 Ω maximum Voltage: 10,000 Ω minimum
OPERATING CONDITIONS	0 to 50°C (32 to 122°F)
ENCLOSURE	White ABS, UL94-v0, IP30 (NEMA 1) 84mm W x 119mm H x 29mm D (3.3" x 4.7" x 1.15")
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)
OPTIONAL TEMPERATURE SENSOR	Various Thermistors and RTDs available as 2 wire resistive output
SETPOINT ADJUSTMENT	Type: Front panel slidepot, 2 wire resistance output Range: 0K to 10K Ω standard Custom Spans Available: 1K, 2K, 5K, 10K, or 20K Ω
MANUAL OVERRIDE	Type: Front panel, momentary pushbutton Ratings: 50 mA @ 12 Vdc, N.O., SPST
LCD DISPLAY	Range: 00.0 to 99.9 %RH, 3 digit Size: 38.1mm W x 16.5mm H (1.5" x 0.65") Digit Height: 11.43mm (0.45") Symbols: %RH
COUNTRY OF ORIGIN	Canada

