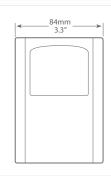
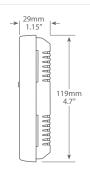
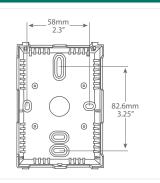


ROOM HUMIDITY / TEMPERATURE TRANSMITTER









HTRC SERIES

PRODUCT DESCRIPTION

The HTRC Humidity/Temperature transmitter incorporates two sensors in one attractive wall mount enclosure for the most efficient environmental monitoring and control system. It uses a field-proven RH sensor to monitor relative humidity and a curve-matched thermistor to measure temperature and provides two analog outputs of either 4-20 mA, or 0-5 Vdc / 0-10 Vdc.

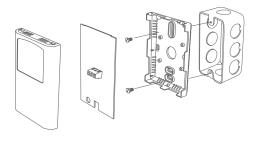
Additional options include an occupancy override button, a communication jack, a fan speed switch or LCD display.

TYPICAL INSTALLATION

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

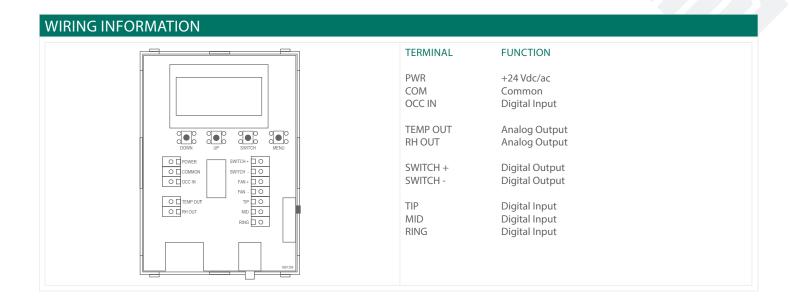
The HTRC series can be mounted directly to a single gang electrical box or directly to a wall. Insulating foam is adhered to the back of the enclosure to provide a thermal barrier from wall temperatures.

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



SPECIFICATIONS				
TEMPERATURE	Sensor: Curve-matched thermistor Accuracy: ±0.2°C (±0.4°F) Range: 0 to 35°C (32 to 95°F) or 0 to 50°C (32 to 122°F), programmable Offset: ±5.0°C programmable Display Units: °C or °F programmable Display Resolution: 0.1° < 100°, 1° > 100°			
HUMIDITY	RH Sensor: Thermoset polymer based capacitive Accuracy: ±2, 3, or 5 %RH from 5 to 95 %RH Range: 0 to 100 %RH non-condensing Temperature Compensation: 0 to 50°C (32 to 122°F) Hysteresis: ±3 %RH Response Time: 15 seconds typical Stability: ±1.2 %RH typical @ 50 %RH in 5 years Offset: ±20 %RH, programmable			
POWER SUPPLY	24 Vac/dc ±10% (non-isolated half-wave rectified)			
CONSUMPTION	60 mA max @ 24 Vdc			
INPUT VOLTAGE EFFECT	Negligible over specified operating range			
PROTECTION CIRCUITRY	Reverse voltage protected and output limited			
OUTPUT SIGNAL	4-20 mA active (sourcing), 0-5 Vdc or 0-10 Vdc (specify when ordering)			
OUTPUT RESOLUTION	10 bit for all signals			
OUTPUT DRIVE @ 24 VDC	Current: 550Ω maximum Voltage: $10K\Omega$ minimum			
PROGRAMMING/SELECTION	Via internal push buttons and on-screen menu			
OPERATING CONDITIONS	0 to 50°C (32 to 122°F), 0 to 95 %RH non-condensing			
WIRING CONNECTIONS	Screw terminal block (14 to 22 AWG)			
ENCLOSURE	White ABS - IP30 (NEMA 1) 84mm W x 119mm H x 29mm D (3.3" x 4.7" x 1.15")			
OPTIONAL LCD DISPLAY	Range: 00.0 to 99.9, 3 digit Symbols: °C, °F %RH, OCC Display Size: 38.1mm x 16.5mm (1.5" x 0.65") Digit Height: 11.43mm (0.45") Backlight: Enable/disable via menu			
OPTIONAL OVERRIDE	Type: Front panel, momentary push button, 2 wire dry contact Switch Ratings: N.O., SPST, 50 mA @ 12 Vdc			
OPTIONAL OCCUPIED INPUT (INCLUDED WITH OVERRIDE OPTION)	Type: Digital input, 0-5 Vdc or dry contact to common Logic: Active low or active high, programmable Action: Causes "OCC" segment to light in display			
OPTIONAL FAN SPEED SWITCH	Type: Side panel mount, 5 position switch Range: Off, Auto, Low, Medium, High Signal: Resistance: 0, 2, 4, 6, 8 KΩ, 2 wire output (custom ranges available)			
OPTIONAL NETWORK COMMUNICATIONS	3.5mm Phono Jack: Ring/Mid/Tip connections to a 3 pin terminal block			





ORDERING		PART NUM	
PRODUCT	HTRC	Room Humidity/Temperature Transmitter	HTRC
RH ACCURACY	2 3 5	2% 3% 5%	
LCD DISPLAY	N L	Concealed Viewable	
OUTPUT	I V	4-20 mA 0-5 Vdc or 0-10 Vdc (menu selectable)	
OPTIONS (MULTIPLE SELECTIONS CAN BE MADE)	S J F	Override switch (includes occupied input) Communication jack (3.5 mm phono) Fan speed switch	

NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.



MBER