

SUBMITTAL Room Humidity/Temperature Transducer

Part Number:

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
SP	Room Executive Humidity/Temperature Transducer

CODE	Product Description
01	RH transmitter c/w setpoint control
02	Temperature transmitter c/w setpoint control
03	RH and temperature transmitter only
04	RH and temperature transmitter c/w setpoint control for temperature only
05	RH and temperature transmitter c/w setpoint control for RH only
06	RH and temperature transmitter c/w setpoint control for both RH and temperature

CODE	Outputs
I20	4-20 mA outputs
V05	0-5 Vdc outputs
V10	0-10 Vdc outputs

CODE	Options
OR	Override switch
CJ	Communication jack (3.5 mm phono)
BL	Blank cover to conceal LCD

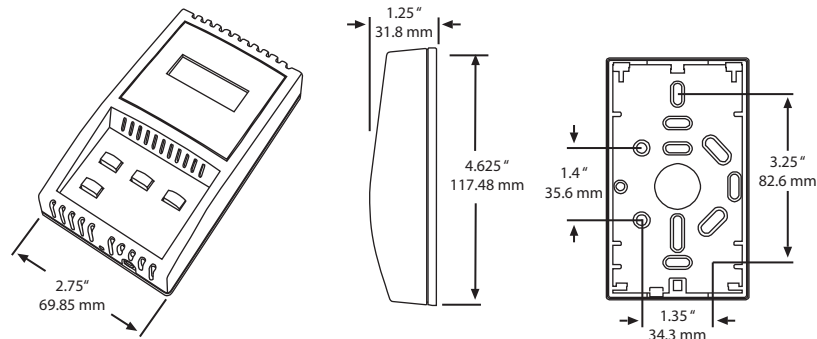
SP	06	I20	OR
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

EXAMPLE: RH and temperature transmitter, c/w RH & Temp Setpoint, 4-20 mA & Override

The SP series uses a highly accurate and reliable Thermoset polymer based capacitance humidity sensor and curve matched thermistor together with state-of-the-art digital linearization and temperature compensated circuitry in an attractive, low profile enclosure to monitor room humidity & temperature levels. Dual setpoint adjustment features for both RH and temperature are also available. Additional options include manual override & communication jack.

Power Supply	24 Vac/dc $\pm 10\%$ (non-isolated ha;f-wave rectified)
Consumption	20 mA + (20 mA x nos. of outputs) max @ 24 Vdc
Output Signals	4-20 mA, 0-5 Vdc, or 0-10 Vdc (Model Specific)
RH Sensor	Thermoset polymer based capacitive
RH Accuracy	$\pm 2\%$ RH
RH Range	0-100% non-condensing
Temp. Sensor	10K Ω Curve matched thermistor
Temp. Accuracy	$\pm 0.2^\circ\text{C}$ ($\pm 0.4^\circ\text{F}$)
Temp. Range	0°- 35°C (32°-95°F) or 0°-50°C (32°-95°F) Field programmable
RH Setpoint	20-70% RH programmable
Range	± 5 or $\pm 10\%$ of the midpoint, programmable
Temp Setpoint	17°-27°C or 63°-81°F programmable
Range	$\pm 5^\circ$ or 10° pf the midpoint, programmable
Override	Switch contact, referenced to common
Communication	3.5mm phono jack, Connects to 3-pin terminal
LCD Display	3.5 Digit for 0-100% RH, 0°-35°C (32°-95°F) or 0-50°C (32°-122°F). 33mm W x 14mm H (1.3" x 0.55") Can be programmed for RH, T or RH & T
Operating Conditions	0°-50°C (32°-122°F), 0-95% RH non-condensing
Wiring Connections	Screw terminal block (14 to 22 AWG)



Installation:

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

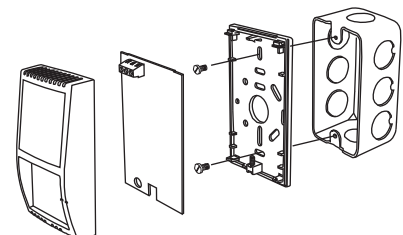
The SP series can be mounted directly to a single gang electrical box or directly to a wall. Insulating foam is adhered to the back of the enclosure to provide a thermal barrier from wall temperatures.

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



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RoHS
COMPLIANT

