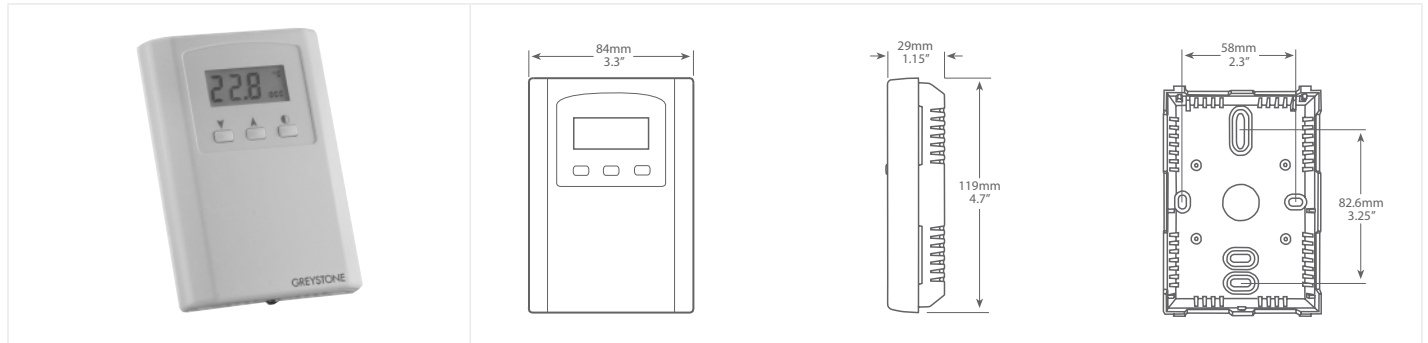




ROOM TEMPERATURE SENSOR



TSPC SERIES

PRODUCT DESCRIPTION

The TSPC room temperature sensor with resistive setpoint control is available in an attractive wall mount enclosure and can be configured with various options. It is available with various curve-matched thermistors or RTD sensors to measure temperature.

A back-lit LCD displays room temperature, setpoint on demand and occupancy. Several operating parameters can be programmed using a keypad and on-board jumpers configure the °C/°F display or disable the backlight.

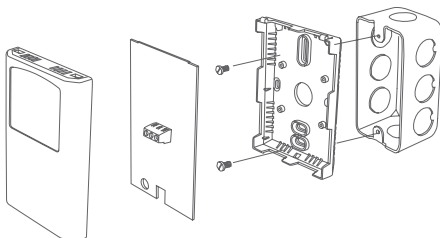
Available options include a dry-contact override switch, a five position fan speed switch and a jack for a network connection.

TYPICAL INSTALLATION

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

The TSPC 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 internal wall temperatures.

A terminal block connection is provided for connection to the Building Automation System. There are several wiring configurations depending on the options selected.



SPECIFICATIONS

TEMPERATURE SENSOR	Thermistor or RTD (see ordering chart)
SENSOR ACCURACY	Thermistors: $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$) @ 25°C (77°F) Platinum RTD's: $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$) @ 0°C (32°F) Nickel RTD's: $\pm 0.4^{\circ}\text{C}$ ($\pm 0.72^{\circ}\text{F}$) @ 0°C (32°F)
SETPOINT ADJUSTMENT	Range: Up/Down pushbuttons for ± 10 resistive steps Signal: Several resistance ranges available Midpoint: Programmable, 20 to 23°C or 68 to 73°F LCD Increment: Setpoint step size is $0.5/1.0^{\circ}\text{C}$ or $1.0/2.0^{\circ}\text{F}$ Action: Programmable, direct or reverse acting
LCD DISPLAY	Range: $0.0 - 35.0^{\circ}\text{C}$ or $32.0 - 95.0^{\circ}\text{F}$ selectable via jumper Display Resolution: $0.5^{\circ}\text{C}/^{\circ}\text{F}$ Display Size: 38.1mm W x 16.5mm H (1.5" x 0.65") Digit Height: 11.43mm (0.45") Symbols: °C, °F, OCC Backlight: Enable or disable via menu
OPTIONAL OVERRIDE SWITCH (S)	Momentary Pushbutton: N.O., SPST, 50 mA @ 12 Vdc
OCCUPIED INPUT	Signal Type: Digital input, 0-5 Vdc standard, active low Action: Causes "OCC" segment to light on LCD
OPTIONAL FAN SPEED SWITCH	Range: 5 position - Off, Auto, Low, Medium, High Signal: Resistive - 0, 2, 4, 6, 8 K Ω Type: Side mounted, 5 position slide switch
OPTIONAL COMMUNICATION JACK (E)	4 PIN: 4 pin header. Requires HHTA - Hand Held Adapter
POWER SUPPLY	24 Vac / dc $\pm 10\%$
CONSUMPTION	20 mA max
INPUT VOLTAGE EFFECT	Negligible over specified operating range
RFI REJECTION	Good RFI rejection
PROTECTION CIRCUITRY	Reverse voltage protected
AMBIENT OPERATING RANGE	0 to 50°C (32 to 122°F), 5 to 95 %RH non-condensing
ENCLOSURE	White ABS, IP30 (NEMA 1) 84mm W x 119mm H x 29mm D (3.3" x 4.7" x 1.15")
WIRING CONNECTIONS	Terminal block (14 to 22 AWG)
COUNTRY OF ORIGIN	Canada

