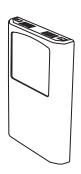


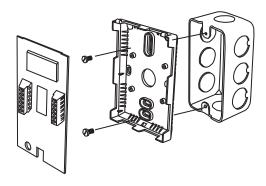


The HATSRC series is an attractive, low profile enclosure that incorporates a high accuracy temperature sensor used to monitor room temperatures. Additional options are available that include setpoint adjustment, manual override, fan speed, handset communication port, and LCD

Installation

Mount the unit directly on a wall or to a wall box. For the most accurate results, units should be mounted on an inside wall to a wall box, away from any supply air exhausts and other sources of heat or cold. The enclosure cover is held in place with locking tabs located each side of the bottom of the enclosure. After installation the cover can be locked on with the #1 Phillips head set screw at the bottom of the enclosure.





<u>Wiring</u>

All terminals are marked on the board as to their function.

They are as follows:

POWER/COMMON - LCD Power Connections

SETPNT(+/-) - Setpoint Resistance Output

SENSOR(+/-)/ - Temperature Sensor Output

SWITCH(+/-) - Override Output

FAN(+/-) - Fan Switch Resistance Output

LED(+/-) - Override Status LED Power Input

Comm Jack - Communication Connections for Handset

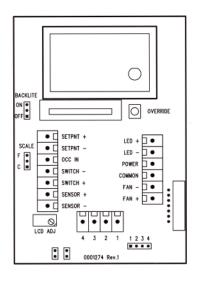
OCC IN - Active Low, Digital Input for OCC indicator on LCD

If the unit is only equipped with a sensor, then the sensor is wired

with the pig tail connections. Do not use wire-nuts for the connection.

Place the provided clip near the bottom of the enclosure and place the

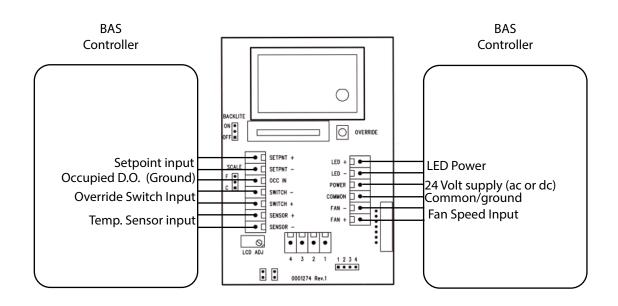
sensor head-down in the clip.



The HATSRC can be customized to work with any building automation system. Because of this there are many possible connection configurations. The above represents the standard configuration. However, other possible combinations include a shared common for all options and/or the override switch shorting temperature sensor (switch in parallel with the sensor).

If the unit has the LCD option then the scale can be set to either °C or °F via the Scale jumper. If the unit is also equipped with the backlight option it can be enabled/disabled via the Backlight jumper.

The LCD display can be calibrated by adjusting the LCD ADJ pot.



SPECIFICATION:

	AV : II : LETE
	Various thermistors and RTDs
Accuracy	. RTD Class A: ±0.15°C @ 0°C
	RTD 1/3 DIN: ±0.1°C @ 0°C
	RTD 1/10 DIN: ±0.03°C @ 0°C
	NTC Thermistor Type 39: ± 0.05 °C, 0-70°C
	NTC Thermistor Type 40/46: $\pm 0.1^{\circ}$ C, 0-70°C
Operating Conditions	
	0-95 %RH non-condensing
Wiring Connections	Screw terminal block (14 to 22 AWG)
	Sensor only - Pigtail, 2 or 3 wire
Enclosure	Wall mount enclosure,
	White ABS - IP30 (NEMA 1)
	84 w x 119 h x 29 d mm (3.3" x 4.7" x 1.15")

	84 w x 119 h x 29 d mm (3.3" x 4.7" x
OPTIONS:	
Override Switch	
Switch Type	Front panel, momentary push-buttor
	N.O., SPST, 50 mA @12 Vdc
Fan Speed Switch	
Range	Auto, Off, Low, Medium, High
Signal	Resistance: 2K, 4K, 6K, 8K and 10K Ω
	standard (Custom ranges available)

Setpoint Slide Pot RangeFront panel pot as resistive output, 20-30 K Ω standard Custom spans available..1K, 2K, 5K, 10K or 20K Ω

	Digital input, 0/5 Vdc standard, active low Causes "OCC" segment to light on LCD
LED Colors	Active high, low or 2-wire, 5 V current limit standard .Red, Green or Yellow .5 Vdc standard, 10 Vdc or 24 Vdc optional
Consumption @ 24 Vdc Protection Circuitry Range	.12-24 Vdc / 24 Vac ± 10% (non-isolated half-wave rectified) .13 mA max (no backlight), 23 mA max (with backlight) .Reverse voltage protected .0.0-35.0 °C or 32.0-95.0 °F jumper selectable .0.1 °C/°F .38.1 w x 16.5 h mm(1.5" x 0.65")
Digit Height Symbols	11.43 mm (0.45")