ROOM TEMPERATURE SENSORS TSRC Series



Precision temperature control/sensing

FEATURES:

- Thermistor or Precision RTD sensing elements
- Optional LCD display
- Various options: Setpoint Adjustment, Override, etc.
- Custom laser etching available



Peace of mind through reliable temperature monitoring

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

TSRC SERIES - ROOM TEMPERATURE SENSOR:

DESCRIPTION:

The TSRC Series of room temperature sensors incorporate a precision platinum or nickel RTD or a NTC thermistor in an attractive wall mount enclosure. The universal back plate can be mounted directly to several electrical box styles or directly on any wall.

The TSRC has various options available such as setpoint adjustment, manual override, LCD display, etc. that allows for use in a multitude of applications.

SPECIFICATIONS:

OPTIONS:

Setpoint Adjustment

Manual Override

Temperature Display

Occupied Input (Requires LCD)

Status LED Input (N/A when LCD selected)

Communication Jacks

Molex 4 Pin header to 4 pin terminal block. Requires HHTA - Hand Held Adapter

Fan Speed Switch









TSRC - ROOM TEMPERATURE SENSOR:

PRODUCT ORDERING INFORMATION:

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МО	DEL	EL Product Description		ion		
TSRC Room Temperature Sensor		mperatur	e Sensor			
		CODE	Sensor			
		2	100 Ω P	latinum, IEC 751, 385 Alpha, thin film		
		5		NTC Thermistor, ±0.2 C		
		6		NTC Thermistor, ±0.2 C		
		8		2, type 3, NTC Thermistor, ±0.2 C 2, NTC Thermistor, ±0.2 C		
		12		Platinum, IEC 751, 385 Alpha, thin film		
		13		Nickel, Class B, DIN 43760		
		14		, type 3, NTC Thermistor, ±0.2 C c/w 11K shunt resistor		
		20		p, ŇŤC Thermistor, ±0.2 C		
		24	10,000 Ω	2, type 2, NTC Thermistor, ±0.2 C		
	l '					
			CODE	Options (Multiple selections can be made)		
			Р	0-10K linear slide pot for set point control (Other ranges available, contact Greystone)		
			S	Front panel push button momentary switch (NO)		
			C	LCD Display temperature indicator °C/°F (Includes Occupied Input)		
			Y	Yellow LED (n/a when LCD is selected)		
			R G	Red LED (n/a when LCD is selected) Green LED (n/a when LCD is selected)		
			E	External jack for remote system access (4-pin header)		
			Ē	Fan Speed Switch, 5 position, (Off, Auto, Low, Mid, High)		
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

NOTE: Due to the many possible configurations, special part numbers may be required, please contact Greystone for more information.

Function

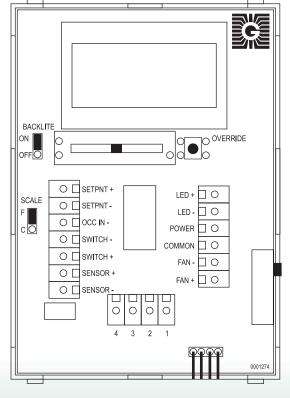
Terminal

PCB/WIRING INFORMATION

S

TSRC

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Terriffiai	Function			
SETPNT +	Resistance Output			
SETPNT -	GND or COMMON			
OCC IN -	Vdc input (5 Vdc)			
SWITCH -	GND or COMMON			
SWITCH +	Digital output			
SENSOR +	Resistance output			
SENSOR -	GND or COMMON			
LED +	Vdc input (5 Vdc standard)			
LED -	GND or COMMON			
POWER	Power input (Only required when LCD is selected)			
COMMON	GND or COMMON (Only required when LCD is selected)			
FAN -	GND or COMMON			
FAN +	Resistance output			
1	To External Jack PIN 1 (Farthest right)			
2	To External Jack PIN 2			
3	To External Jack PIN 3			
4	To External Jack PIN 4			
* Some models do not have all these features				
**To save on number of connection wires, all GND or COMMON may				

- connected together.
- ***Illustration shows standard wiring configuration. Custom configurations are available. Please contact Greystone.

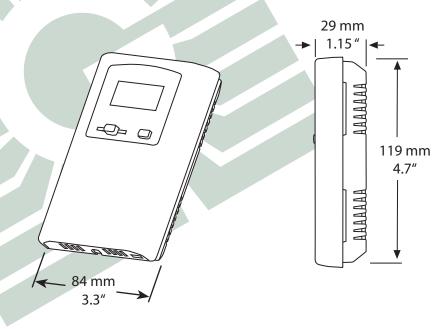


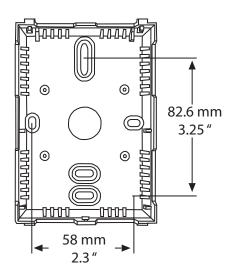












ACCESSORIES:



HHTA-XXX

The HHTA - Handheld Adapter converts the Greystone standard 4 pin connector to the connector of choice such as a RJ12, phone jack. Several styles and configurations are available. Please contact Greystone.



A35R

A multi-purpose screw driver that includes a standard flat screwdriver and a 1/16" allen key, and can be used on all Greystone wall sensors.



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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leadingedge design technology, prompt technical support, and a

edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.