ROOM TEMPERATURE TRANSMITTERS HATXRC Series



Precision temperature control/sensing

FEATURES:

- High Accuracy RTD sensing elements
- Choice of scaled ranges and outputs
- 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

DESCRIPTION:

The HATXRC Series room temperature transmitter is a precision current loop transmitter. It utilizes the high accuracy platinum RTD and is available in various configurations. The transmitter provides a high accuracy signal with excellent long term stability, low hysteresis and fast response while being virtually immune to power supply noise and input voltage fluctuations. All models operate on a wide range of AC or DC power supplies.

The HATXRC is supplied 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 HATXRC has various options available such as setpoint adjustment, manual override, etc. that allows for use in a multitude of applications.

SPECIFICATIONS:

Sensor	1000 Ω Platinum, IEC 751, 385 Alpha, thin film
Sensor Accuracy	Class A: ±0.15°C @ 0°C
	1/3 Din: ±0.1°C @ 0°C
	1/10 Din: ±0.03°C @ 0°C
Output Signal	
	(factory configured)
Transmitter Accuracy	±0.25% of span, including linearity
4-20 mA loop Power Supply	15-35 Vdc or 22-32 Vac
Minimum Current Loop	
Maximum Loop Current	
Maximum Loop Load	
0-5 Vdc Power Supply	
0-10 Vdc Power Supply	15-35 Vdc or 15-32 Vac
Maximum Current (Voltage)	
Maximum Output (Voltage)	Limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 vdc
Input Voltage Effect	Negligible over specified operating range
RFI Rejection	Good RFI rejection of normal frequencies
Protection Circuitry	Reverse voltage protected and output limited
Operating Conditions	0 - 50°C (32 - 122°F), 0-95% RH non-condensing
Enclosure	White ABS - IP30 (NEMA 1)
	84mmW x 117mmH x 29mmD (3.3" x 4.6" x 1.15")
Wiring Connections	Screw terminal block (14 to 22 AWG)

OPTIONS:

Type	Front panel slidepot, 2 wire resistance output
Range	
Custom spans available	

Manual Override

Type	Front panel, momentary pushbutton
Front panel pushbutton	

Status LED Input

Signal Type	Active high, low or 2-wire, 5 V current limited standard
LED Colors	Yellow (Y), Red (R) or Green (G),
	5 Vdc standard, 10 or 24 Vdc optional

Communication Jacks

Molex4 Pin heade	er to 4 pin terminal bloc	ck. Requires HHTA - Hand	Held Adapter
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Fan Speed Switch

Type	Side mounted, 5 position slide switch
	Off, Auto, Low, Medium, High
	2 wire, resistance output - 0, 2, 4, 6, 8 KΩ
3	Custom ranges available, contact Grevstone



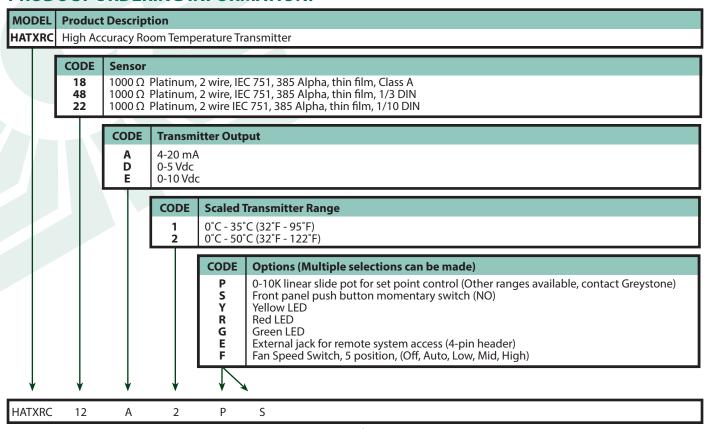






HATXRC - HIGH ACCURACY ROOM TEMPERATURE TRANSMITTER:

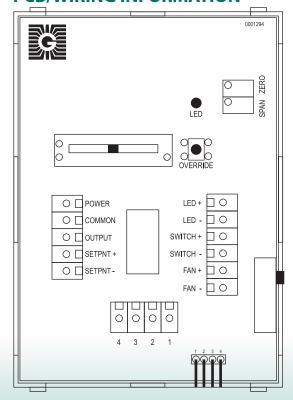
PRODUCT ORDERING INFORMATION:



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.

PCB/WIRING INFORMATION



Terminal	Function
POWER	Power input
COMMON	GND or COMMON
OUTPUT	Analog Output 4-20 mA, 0-5 or 0-10 Vdc
SETPNT +	Resistance Output
SETPNT -	GND or COMMON
LED +	Vdc input (5 Vdc standard)
LED -	GND or COMMON
SWITCH +	Digital output
SWITCH -	GND or COMMON
FAN +	Resistance output
FAN -	GND or COMMON
1	To External Jack PIN 1
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

^{***}Illustration shows standard wiring configuration. Custom configurations are available. Please contact Greystone.

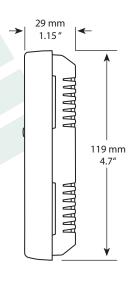


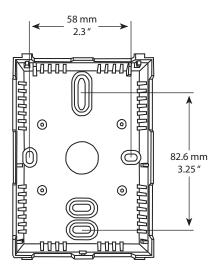






^{**}To save on number of connection wires, all GND or COMMON may connected together.





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.



GREYSTONE

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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC 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 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.