ROOM TEMPERATURE TRANSMITTERS TE500 Series

AD) Designer – Features include a two-piece enclosure that mounts directly to a wall box or on any wall.

AS) Surface - A stainless steel plate which can be mounted to a wall box used where tamper- proof or protection is required. Optional tamperproof screws are available.

Precision temperature control/sensing

FEATURES:

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- Precision RTD sensing element
- Choice of scaled ranges and outputs
- 2 enclosure styles
- Custom laser etching available



Peace of mind through reliable temperature monitoring

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

DESCRIPTION:

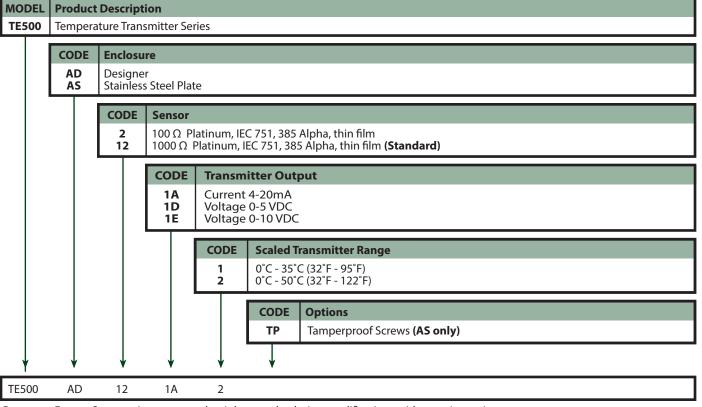
The TE500 is a precision current loop temperature transmitter. It utilizes the platinum RTD and is available in various configurations. The transmitter provides a high accuracy signal with excellent long term stability, low hysteresis and fast response while being virtually immune to power supply noise and input voltage fluctuations. All models operate on a AC or DC power supplies.

SPECIFICATIONS:

Sensor	1000 or 100 ohm Platinum RTD
Sensor Accuracy	±0.3°C (±0.54°F) @ 0°C (32°F)
Output Signal	4-20mA current loop, 0-5 vdc,
	0-10 Vdc (factory configured)
Transmitter Accuracy	±0.1% of span, including
	linearity
4-20 mA loop Power Supply	
Minimum Current Loop	2 mA nominal (occurs with
	shorted sensor)
Maximum Loop Current	.22.5 mA nominal (occurs with
Marine and a set	open sensor)
	>600 ohms
0-5 Vdc Power Supply	
0-10 Vdc Power Supply	15-35 Vdc or 15-32 Vac
Maximum Current (Voltage)	5 IIIA HUIIIIIdi

Maximum Output (Voltage)	Limited to <5.5 Vdc for 0-5 Vdc, <10.5 for 0-10 vdc
Input Voltage Effect	
RFI Rejection	Good RFI rejection of normal
Protection Circuitry	frequencies Reverse voltage protected and output limited
Operating Conditions	0 - 70°C (32 - 158°F),
Enclosure	0-95% RH non-condensing White ABS (AD) - IP20 (NEMA 1)
Wiring Connections	Stainless Steel (AS) - IP50 (NEMA 1) Screw terminal block (14 to 22 AWG)

PRODUCT ORDERING INFORMATION:



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



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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 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. V.12/13