

E STRAP-ON TEMPERATURE TRANSMITTER w/LCD TE511/512ES Series

The TE511/512ES single point strap-on temperature sensor has a precision platinum RTD bonded to a 38.1 mm x 38.1 mm (1.5"x 1.5") aluminum plate and adhered to a 1" compressible foam. A 10" S/S Pipe clamp is provided to secure the assembly to various sizes of pipe.. All probes provide excellent heat transfer, fast response and resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response for measurement of pipe temperatures. A LCD is provided in either °C (511) or °F (512).

DECIFICATION.

SPECIFICATION:	
Sensor	. 1000 ohm Platinum RTD
Sensor Accuracy	
Probe Sensing Range	20 to 105°C (-4 to 221°F)
Wire Material	. PVC insulated, parallel bonded
Pipe Clamp	. 25.4 cm (10") Stainless steel
Probe Material	
Probe Dimension	
Output Signal	
	0-5 vdc, or 0-10 Vdc
	(factory configured)
Transmitter Accuracy	
D 6 1	linearity
Power Supply	0-5 vdc: 10-35 Vdc or 22-32 Vac
	0-10 Vdc: 10-35 Vdc or 10-32 Vac 0-10 Vdc: 15-35 Vdc or 15-32 Vac
Consumption	
Consumption	(On open Sensor)
	Voltage: 5 mA nominal
Input Voltage Effect	
pac ronageeet	operating range
RFI rejection	. Good RFI rejection of normal
,	frequencies
Protection Circuitry	.Reverse voltage protected
	and output limited
Display Units	.°C (511 Series) or °F (512 Series)
Display Range	. 3 digit for -88.8 to 888 as
	necessary
Display Size	. 24 mm x 11 mm
A 11 10 11	(0.95' × 0.45")
Ambient Operating Range	
	0-95% RH non-condensing *In order to maintain the
	published NEMA/IP ratings,
	properly rated conduit or
	cable gland adapters must be
	used.
	uscu.



RT NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MO	DEL	Product Description			
TE51 TE51		Strap-on Temperature Transmitter c/w LCD display °C Strap-on Temperature Transmitter c/w LCD display °F			
		CODE	CODE Output		
	A D E		Current 4-20mA Voltage 0-5 Vdc Voltage 0-10 Vdc		
			CODE	Scaled Range	
			1 2 3 *	0 - 35°C (32 - 95°F) 0 - 50°C (32 - 122°F) 0 - 100°C (32 - 212°F) Custom ranges available Contact Greystone	
	,				



Wiring Connection

Screw terminal block

(14 to 22 AWG)









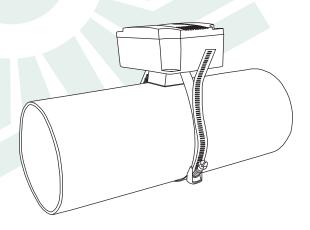
TYPICAL INSTALLATION:

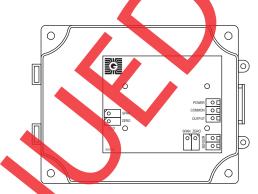
For complete installation and wiring details, please refer to the product installation instructions.

For best results, thermal conductive compound should be applied to pipe prior to mounting the probe.

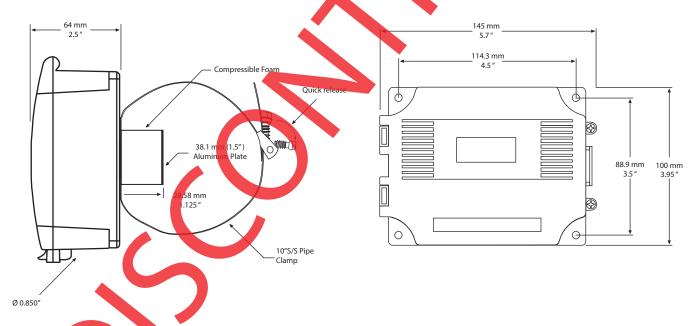
The TE511/512ES series can be mounted directly to various sizes of pipes and secured using a 10" S/S pipe clamp.

If necessary, remove a section of insulation from the pipe. The 10" S/S pipe clamp is a "Quick Release" type and can be separated by moving the tightening screw so that it is perpendicular to the clamp and slide the clamp apart. Postion the aluminum plate on the pipe so it makes as much contact with the pipe as possible, wrap the clamp around the pipe, re-assemble and tighten. Any excess clamp may be cut off.





DIMENSIONS:



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



Greystone Energy Systems, Inc. 150 English Drive, Moncton, New Brunswick, Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014 North America: 1-800-561-5611 e-mail: mail@greystoneenergy.com www.greystoneenergy.com











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.