

SUBMITTAL

Part Number:

Duct Average Temperature Transmitter

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE511D	Multi-point Duct Average Temperature Transmitter c/w LCD display °C
TE512D	Multi-point Duct Average Temperature Transmitter c/w LCD display °F
TE511DC	Continuous Sensing Duct Average Temperature Transmitter c/w LCD display °C
TE512DC	Continuous Sensing Duct Average Temperature Transmitter c/w LCD display °F

CODE	Enclosure (ABS enclosure is standard)
-	ABS enclosure, standard (no code required, leave blank)
W	PVC weatherproof box

CODE	Probe Length/No. of Sensors for Multipoint
G	1800 mm (6') (4 Sensors)
H	3600 mm (12') (4 Sensors)
I	6100 mm (20') (4 Sensors)
J	7300 mm (24') (9 Sensors)

CODE	Probe Material
3	Soft Copper

CODE	Transmitter Output Signal
A	Current 4-20mA
D	Voltage 0-5 Vdc
E	Voltage 0-10 Vdc

CODE	Transmitter Range
1	0° - 35°C (32° - 95°F)
2	0° - 50°C (32° - 122°F)
*	Custom range, please contact Greystone

TE511D - G 3 A 2

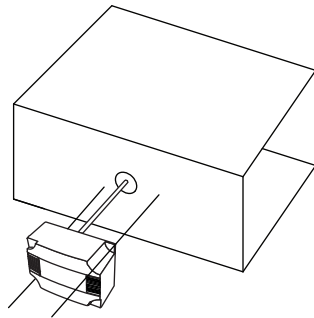
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

EXAMPLE: Duct c/w °C LCD, 12" S/S, 4-20mA, 0°-50°C

***Custom Range:**

The TE511/512D duct averaging temperature transmitter incorporates numerous precision platinum RTD's encapsulated in a 7.94 mm (0.3125") OD, soft copper probe and is available in various lengths (see ordering chart) 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 room temperatures. A LCD is provided in either °C (511) or °F (512).

Sensor Operating Temperature Range	D: -20° to 60 °C (-4° to 140 °F) DC: -40° to 100°C (-40° to 212°F)
Enclosure	Standard - ABS - UL94-V - NEMA 1 (IP23) Weatherproof (W) - PVC - NEMA 4X (IP66)
Cable (D)	FT-6 plenum rated
Probe	0.3125" (7.94 mm) soft copper
Output Signal	Current: 4-20 mA current loop Voltage: 0-5 or 0-10 Vdc (Factory Configured)
Transmitter Accuracy	±0.1% of span, including linearity
Power Supply	Current: 15-35 Vdc or 22-32 Vac Voltage: 0-5 Vdc: 10-35 Vdc or 10-32 Vac 0-10 Vdc: 15-35 Vdc or 15-32 Vac
Power Consumption	Current: 22.5 mA Max. (Occurs with open sensor) Voltage: 5 mA nominal
PCB Operating Temperature	0° to 70°C (32° to 158°F)
Wiring Connections	Two or three wires Screw terminal block (14 to 22 AWG)
Display Units	°C (511) or °F (512) - Factory set
Display Range	0° to 100°C typical range for transmitter
Display Resolution	0.1°C or 0.1°F for display of 00.0 to 99.9
Display Accuracy	±0.2°C or ±0.2°F over full range
Display Update Rate	3 times per second
Display Size	24 mm W x 11 mm H (0.95" x 0.45") three digit



Installation:

The duct average probes are installed through a hole in the side of the duct to monitor an average temperature within the duct. Select a probe length that allows for criss-crossing the duct multiple times. Install the probes in a straight section of duct at a suitable distance downstream from any heating, cooling or humidification devices.

Each enclosure style provides mounting tabs for ease of installation.



GREYSTONE

ACCURACY BY DESIGN

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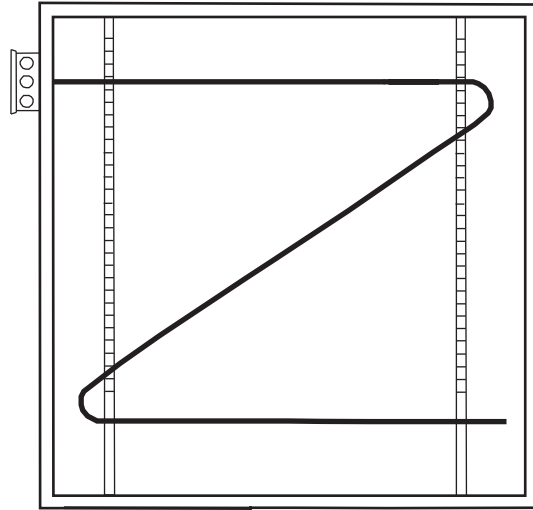
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RoHS
COMPLIANT

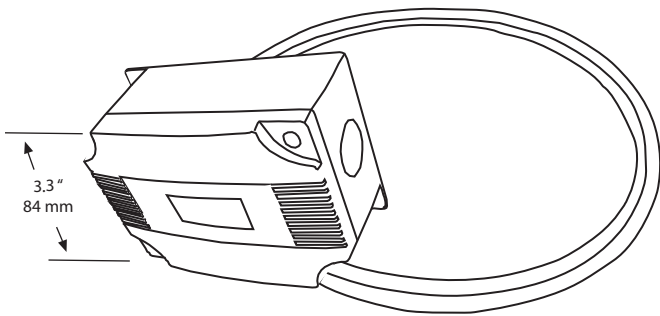




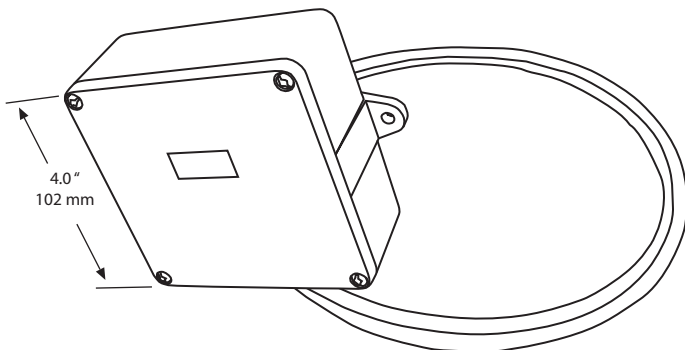
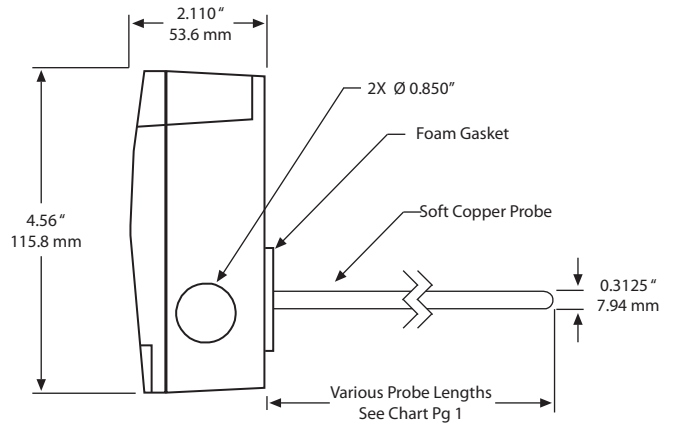
Typical Installation:



Dimensions:



ABS Enclosure



Weatherproof Enclosure

