

SUBMITTAL

Part Number:

Strap-on Temperature Transmitter

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE511E	Strap-on Temperature Transmitter c/w LCD display °C
TE512E	Strap-on 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	Secondary Sensor (Leave blank if not required)
2	PT100-100 Ω Plat. IEC 751, 385 Alpha, thin film
5	1801 Ω, NTC Thermistor, ±0.2°C
6	3000 Ω, NTC Thermistor, ±0.2°C
7	10,000 Ω, Type 3, NTC Thermistor, ±0.2°C
8	2.252 KΩ, NTC Thermistor, ±0.2°C
9	100,000 Ω, NTC Thermistor, ±0.2°C
12	PT1000-1000 Ω Platinum, IEC 751, 385 Alpha, thin film
13	1000 Ω Nickel
14	10,000 Ω, Type 3, NTC Thermistor, ±0.2°C c/w 11K shunt resistor
15	PT3000 PTC Platinum, ±0.2°C
20	20,000 Ω, NTC Thermistor, ±0.2°C
24	10,000 Ω, Type 2, NTC Thermistor, ±0.2°C

CODE	Transmitter Output Signal
1A	Current 4-20mA
1D	Voltage 0-5 Vdc
1E	Voltage 0-10 Vdc

CODE	Transmitter Range
1	0 - 35°C (32 - 95°F)
2	0 - 50°C (32 - 122°F)
3	0 - 100°C (32 - 212°F)
*	Custom range, please contact Greystone

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

EXAMPLE: Strap-on c/w °C LCD, 2" S/S, 4-20mA, 0-50°C

*Custom Range:

The TE511/512G single point glass temperature sensor utilizes a precision sensor encapsulated in a 31.75mm L x 9.525mm W x 9.525 mm H (1.25" x .375" x .375") Aluminum probe. Standard wire length is 600 mm (24"). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. It is available with a variety of enclosures. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response is available with various ranges. (See ordering chart) A LCD is provided in either °C (511) or °F (512). A secondary sensor option is available.

Sensor Operating Temperature Range	-20° to 105 °C (-4° to 221 °F) Higher ranges available, please contact Greystone
Enclosure	Standard - ABS - UL94-V - NEMA 1 (IP23) Round (E) - ABS - NEMA 3 (IP64) Metal (M) - Galvanized steel - NEMA 1 (IP23) Weatherproof (W) - Cast Aluminum - NEMA 4X (IP66)
Cable	24" PVC insulated, parallel bonded (Type 2, 100 ohm platinum uses FT-4)
Probe	Aluminum
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 15-32Vac
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)

Installation:

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

Find a suitable location on an exterior window where both the probe can be mounted. On one side apply epoxy compound and press firmly against the glass. Hold in place until the epoxy has set.



GREYSTONE

ACCURACY BY DESIGN

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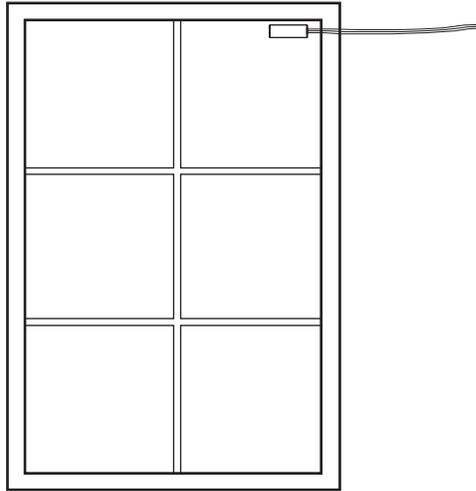
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RoHS
COMPLIANT

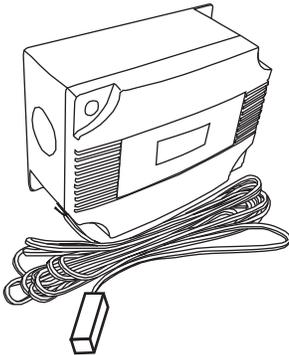




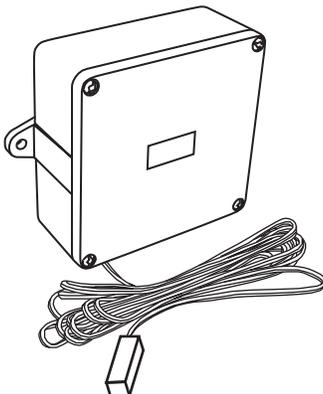
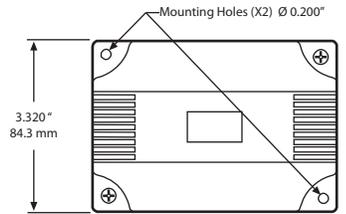
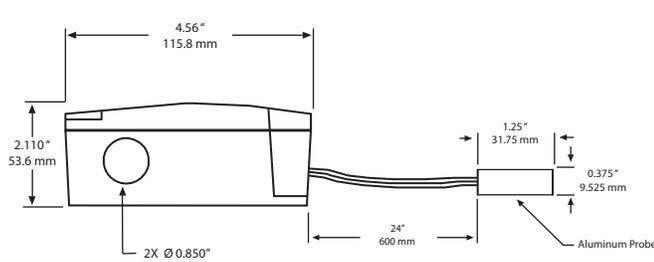
Typical Installation:



Dimensions:



ABS Enclosure



Weatherproof Enclosure

