



GLASS TEMPERATURE TRANSMITTER w/ LCD TE511/512G Series

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).

SPECIFICATION:

Sensor.....	1000 ohm Platinum RTD
Sensor Accuracy.....	±0.3°C (±0.54°F) @ 0°C (32°F)
Probe Sensing Range.....	-20 to 105°C (-4 to 221°F)
Wire Material	PVC insulated, parallel bonded, 22 AWG
Wire Length	1.524 m (5')
Probe Material	Aluminum
Probe Dimension.....	9.525 x 9.525 x 31.75 mm (75" x .75" x 1.25")
Output Signal.....	4-20mA current loop, 0-5 vdc, or 0-10 Vdc (factory configured)
Transmitter Accuracy	±0.1% of span, including linearity
Power Supply	4-20 mA: 15-35 Vdc or 22-32 Vac 0-5 Vdc: 10-35 Vdc or 10-32 Vac 0-10 Vdc: 15-35 Vdc or 15-32 Vac
Consumption	Current: 22.5 mA Max (On open sensor) Voltage: 5 mA nominal
Input Voltage Effect.....	Negligible over specified 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 (0.95" x 0.45")
Ambient Operating Range.....	0 - 70°C (32 - 158°F), 0-95% RH non-condensing
Enclosure.....	ABS, UL94-5VB, IP65 (NEMA 4X) *In order to maintain the published NEMA/IP ratings, properly rated conduit or cable gland adapters must be used.
Wiring Connections.....	Screw terminal block (14 to 22 AWG)



PART NUMBER SELECTED

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PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE511G	Glass Temperature Transmitter c/w LCD display °C
TE512G	Glass Temperature Transmitter c/w LCD display °F

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

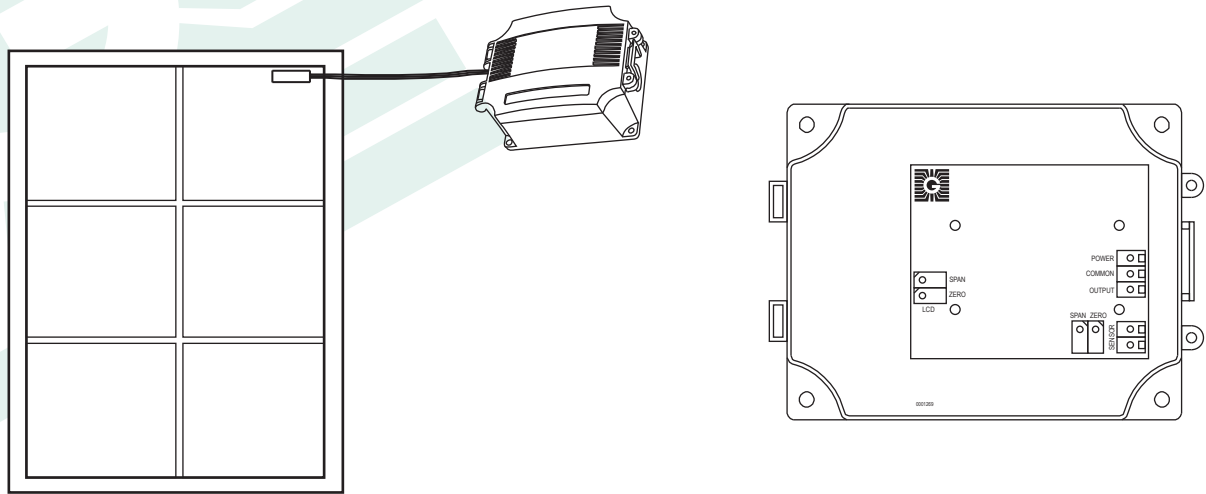
CODE	Scaled Range
1	0 - 35°C (32 - 95°F)
2	0 - 50°C (32 - 122°F)
3	0 - 100°C (32 - 212°F)
*	Custom ranges available, Contact Greystone

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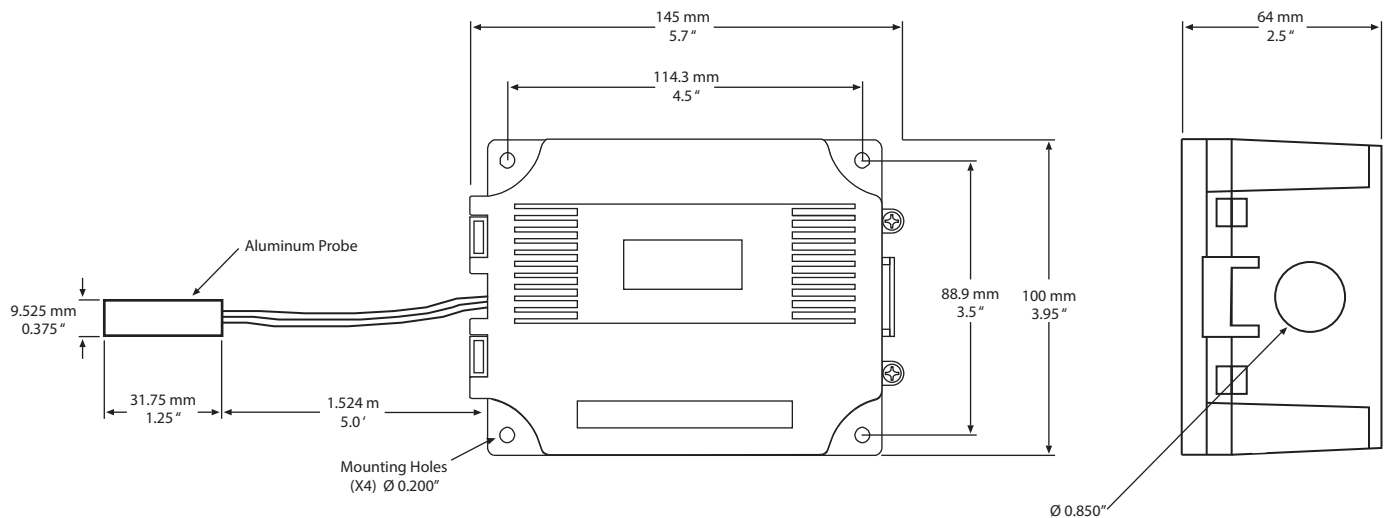
TYPICAL INSTALLATION:

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.



DIMENSIONS:



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 leading-edge 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.

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM