



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)

UNAPPROVED

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

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

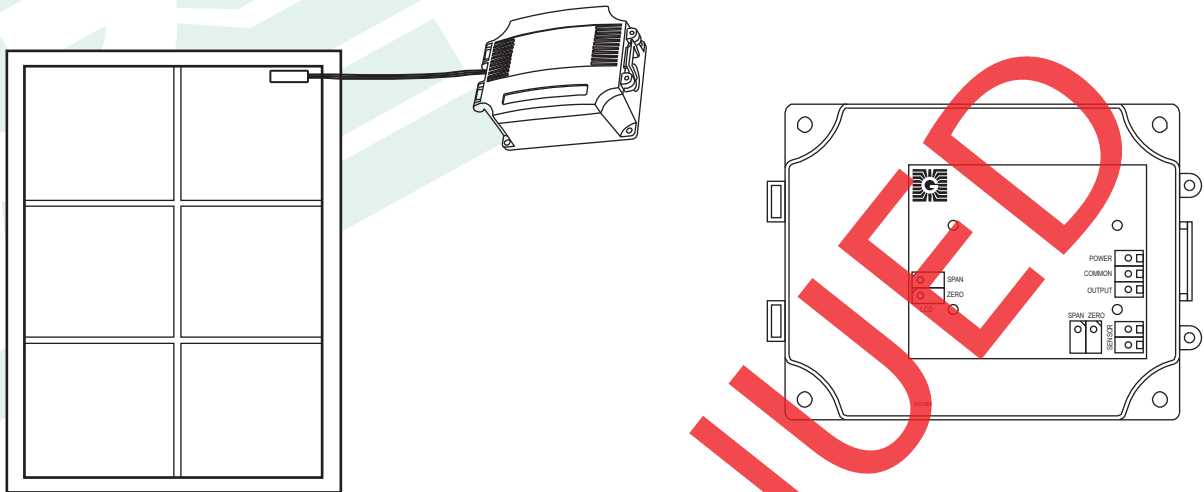
CODE	Output
A	Current 4-20mA
D	Voltage 0-5 Vdc
E	Voltage 0-10 Vdc

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

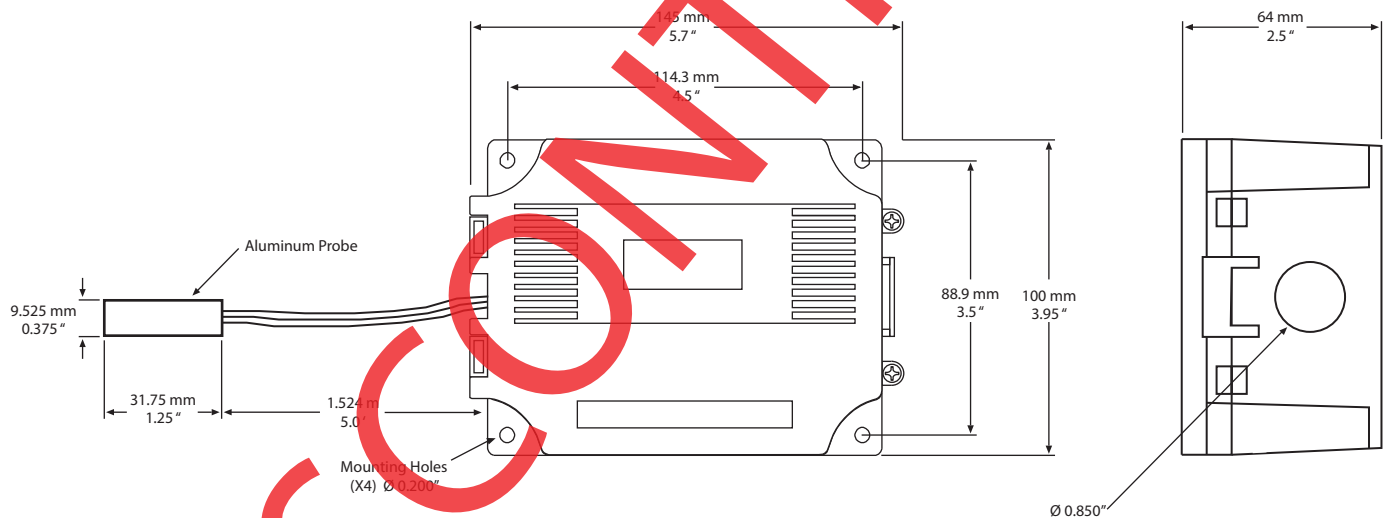
TYPICAL INSTALLATION:

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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RoHS
COMPLIANT



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