SUBMITTAL Part Number:

Heavy Duty Wall Temperature Transmitter

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
TE511F	Heavy Duty Wall Temperature Transmitter c/w LCD display ˚C
TE512F	Heavy Duty Wall Temperature Transmitter c/w LCD display ˚F

CODE	**Secondary Sensor** (Leave blank if not required)
2	PT100-100 Ω Platinum 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

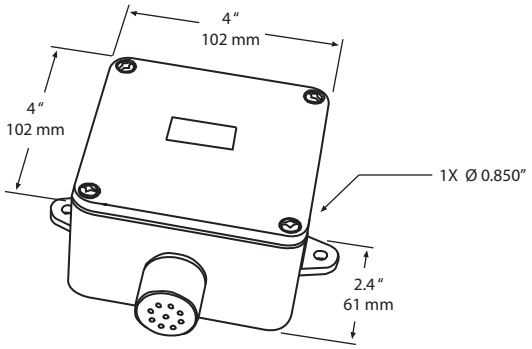
CODE	**Transmitter Range**
1	0˚ - 35˚C (32˚ - 95˚F)
2	0˚ - 50˚C (32˚ - 122˚F)
*	Custom range, please contact Greystone

TE511F - 1A 1

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

EXAMPLE: Heavy duty wall, 4-20 mA, 0˚ to 50 ˚C

***Custom Range:**



The TE500F, single point wall temperature sensor utilizes a precision platinum RTD sensor. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penatration. 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 heavy duty PVC enclosure is provided

Sensor Operating Temperature Range	-20 to 105 ˚C (-4 to 221 ˚F) Higher ranges available, please contact Greystone
Enclosure	PVC - NEMA 4X (IP66)
Cable	PVC insulated, parallel bonded
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:

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

The TE500F can be mounted on any wall away from direct sunlight or heating/air conditioning sources. Mount with the sensing probe pointing towards the floor.

The TE500F can be mounted directly to wall face using the 2 provided mounting holes. There is one 0.85″ holes for conduit connection.

GREYSTONE

ACCURACY BY DESIGN

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