GREYSTONE
ENERGY SYSTEMS INC

HIGH ACCURACY HEAVY DUTY WALL TEMPERATURE TRANSMITTER WITH LCD
HATLOS Series

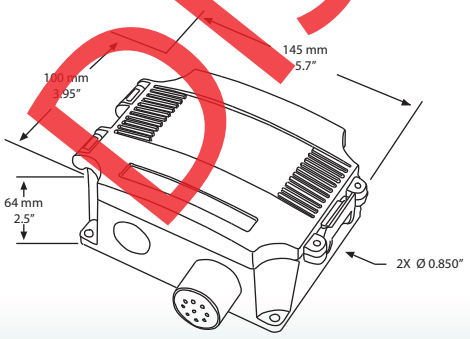
DISCONTINUED

The HATLOS single point wall temperature sensor utilizes a high accuracy platinum RTD sensor. The probe is constructed to provide excellent heat transfer, fast response and is potted to resist moisture penetration. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response and is available with various ranges. A heavy duty ABS enclosure with hinged cover is provided. A LCD is provided in either °C or °F.

SPECIFICATION:

Sensor	1000 ohm Platinum RTD
Accuracy	**RTD Class A:** ±0.15˚C @ 0˚C **RTD 1/3 DIN:** ±0.1˚C @ 0˚C **RTD 1/10 DIN:** ±0.03˚C @ 0˚C
Probe Sensing Range	0 to 70˚C (32 to 158˚F)
Output Signal	4-20mA current loop, 0-5 vdc, or 0-10 Vdc (factory configured)
Transmitter Accuracy	±0.25% 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 or ˚F
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	Grey ABS, UL94-V0, IP65 (NEMA 4X)
Wiring Connection	Screw terminal block (14 to 22 AWG)

DIMENSIONS:



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATLOS	High Accuracy Heavy Duty Wall Temperature Transmitter with LCD Display

CODE	Product Display
C	LCD display ˚C
F	LCD display ˚F

CODE	Sensor
18	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A
22	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 DIN
48	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN

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

CODE	Scaled Range
1	0 - 35˚C (32˚F - 95˚F)
2	0 - 50˚C (32˚F - 122˚F)

TYPICAL INSTALLATION:

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

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

It can be mounted directly to a wall face using the 4 provided mounting holes. There is one 0.85" holes for conduit or cable gland connection.

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