



GREYSTONE ENERGY SYSTEMS INC

HIGH ACCURACY OUTSIDE TEMPERATURE SENSOR HATSOS Series

The single point outside air temperature sensor utilizes a precision sensor. All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. A sun and wind shield is integrated into a weatherproof compact ABS enclosure with a hinged and gasketed cover for ease of installation.

SPECIFICATION:

Sensor Type Various Thermistors or RTD
 Sensor Accuracy..... **RTD Class A:** $\pm 0.15^{\circ}\text{C}$ @ 0°C
 RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ @ 0°C
 RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ @ 0°C
 NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$, 0 to 70°C
 NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$, 0 to 70°C

Temperature Range..... -40 to 50°C (-40 to 122°F)
 Wire Material..... PVC insulated, parallel bonded, 22 AWG
 Enclosure..... ABS - UL94-V0, IP65 (NEMA4X)
 C - includes terminal block
 Termination..... A - pigtail, 2 or 3 wire
 C - terminal block, 2 or 3 wire
 Country of Origin..... Canada



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
HATSOS	High Accuracy Outside Temperature Sensor

CODE	Enclosure
A	ABS, with hinged & gasketed cover
C	Same as A, with terminal block

CODE	Sensor
18	1000 Ω Platinum, 2 wire, IEC 751, 385 Alpha, thin film, Class A
48	1000 Ω Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
22	1000 Ω Platinum, 2 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
41	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$
55	10,000 Ω Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$
40	10,000 Ω Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$
46	20,000 Ω , NTC Thermistor, $\pm 0.1^{\circ}\text{C}$

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

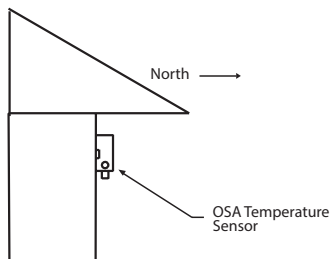
TYPICAL INSTALLATION:

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

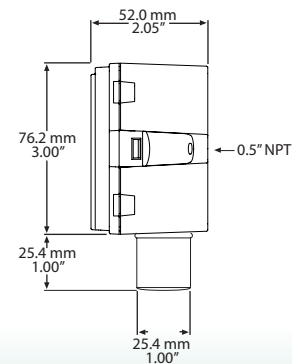
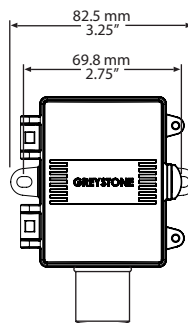
The outside transmitter should be mounted on an outside north facing wall, under the eaves which will provide protection from direct sunlight.

The outside transmitter is mounted by extending a threaded end of the 1/2" conduit used for wiring through the building wall so that it extrudes at least 1 to 2" from the wall face. A 0.895" hole is provided for EMT connection. Open access cover, feed wires through and connect.

The outside transmitter can be mounted directly to building's wall face using the provided mounting holes. A 0.85" hole for conduit connection is provided.



DIMENSIONS:



Greystone Energy Systems, Inc.
 150 English Drive, Moncton, NB
 Canada E1E 4G7

(506)853-3057 Fax: (506)853-6014
 North America: 1-800-561-5611
 e-mail: mail@greystoneenergy.com
 www.greystoneenergy.com

RoHS
 COMPLIANT

