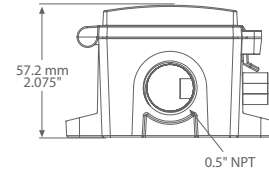
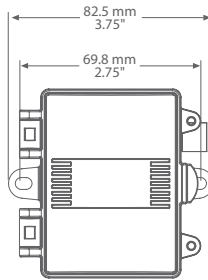




HIGH ACCURACY OUTSIDE TEMPERATURE SENSOR



HATSOS SERIES

PRODUCT DESCRIPTION

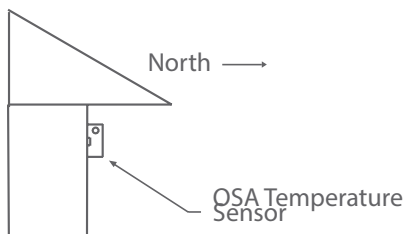
The high accuracy single point outside air temperature sensor utilizes a precision sensor. All probes are constructed to provide excellent heat transfer, fast response, and are potted to resist moisture penetration. A compact weatherproof Polycarbonate enclosure with a hinged and gasketed cover is provided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

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



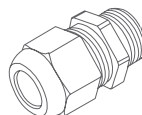
SPECIFICATIONS

SENSOR TYPE	Various Thermistor or RTD
SENSOR ACCURACY	RTD Class A: $\pm 0.15^{\circ}\text{C}$ ($\pm 0.27^{\circ}\text{F}$) @ 0°C (32°F) RTD 1/3 DIN: $\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{F}$) @ 0°C (32°F) RTD 1/10 DIN: $\pm 0.03^{\circ}\text{C}$ ($\pm 0.054^{\circ}\text{F}$) @ 0°C (32°F) NTC Thermistor Type 39: $\pm 0.05^{\circ}\text{C}$ ($\pm 0.09^{\circ}\text{F}$), 0 to 70°C (32 to 158°F) NTC Thermistor Type 55: $\pm 0.03^{\circ}\text{C}$ ($\pm 0.054^{\circ}\text{F}$), 0 to 70°C (32 to 158°F) NTC Thermistor Type 40/46: $\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{F}$), 0 to 70°C (32 to 158°F)
AMBIENT OPERATING RANGE	-40 to 50°C (-40 to 122°F), 5 to 95 %RH non-condensing
PROBE MATERIAL	Machined aluminum
WIRE MATERIAL	FT-6 rated plenum cable, 22 AWG
ENCLOSURE	A: Polycarbonate, UL94-V0, IP65 (NEMA 4X) C: same as A, includes terminal block E: Same as C, with thread adapter (1/2" NPT to M16) and cable gland fitting
TERMINATION	A: Pigtail, 2 or 3 wire C & E: Terminal block, 2 or 3 wire
COUNTRY OF ORIGIN	Canada

NOTE: The sensor accuracies listed in the specifications section apply to the sensing element only prior to product assembly and may not be reflected in the complete assembly.

Due to the measurement uncertainty, it is possible, that the true resistance value of the single delivered sensor at 0°C can be out of the defined tolerance class. Profiling each assembly to take into consideration lead wire and the attachment method should be completed.

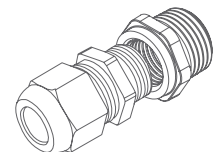
ACCESSORIES - INCLUDED WITH E ENCLOSURE OPTION



CABLE GLAND FITTING



THREAD ADAPTER 1/2" NPT TO M16





ORDERING			PART NUMBER
PRODUCT	HATSOS	High Accuracy Outside Temperature Sensor	HATSOS
ENCLOSURE	A C E	Polycarbonate, with hinged and gasketed cover Same as A, with terminal block Same as C, with thread adapter and cable gland fitting	
SENSOR	18X 48X 22X 39X 55X 40X 46X	1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, Class A 1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 Ω Platinum, 3 wire, IEC 751, 385 Alpha, thin film, 1/10 DIN 10,000 Ω Type 2, NTC Thermistor, $\pm 0.05^{\circ}\text{C}$ 10,000 Ω Type 2, NTC Thermistor, $\pm 0.03^{\circ}\text{C}$ 10,000 Ω Type 3, NTC Thermistor, $\pm 0.1^{\circ}\text{C}$ 20,000 Ω NTC Thermistor, $\pm 0.1^{\circ}\text{C}$	

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