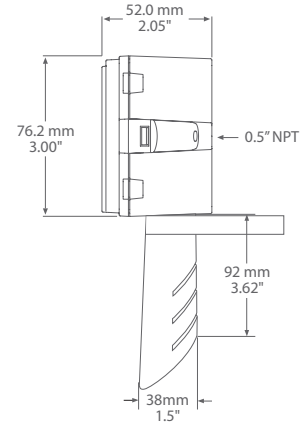
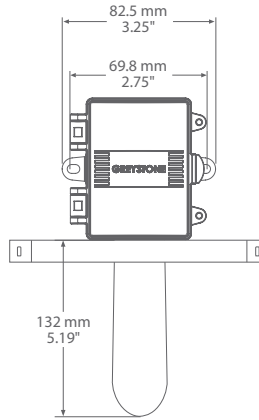




## OUTSIDE TEMPERATURE SENSOR



### HATSOB SERIES

#### PRODUCT DESCRIPTION

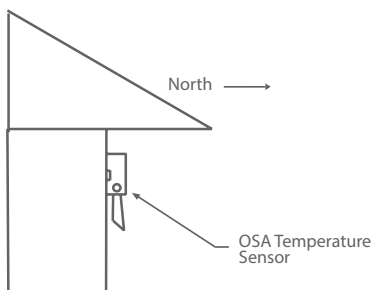
The high accuracy single point outside air temperature sensor utilizes a precision sensor. All probes are constructed to provide excellent heat transfer, fast response, and are potted to resist moisture penetration. A sun and wind shield is integrated into a weatherproof compact Polycarbonate enclosure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



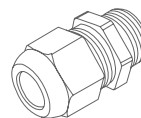
#### SPECIFICATIONS

SENSOR TYPE	Thermistor or RTD (see ordering chart)
SENSOR ACCURACY	<b>Thermistors:</b> $\pm 0.2^{\circ}\text{C}$ ( $\pm 0.36^{\circ}\text{F}$ ) @ $25^{\circ}\text{C}$ ( $77^{\circ}\text{F}$ ) <b>Platinum RTD's:</b> $\pm 0.3^{\circ}\text{C}$ ( $\pm 0.54^{\circ}\text{F}$ ) @ $0^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ ) <b>Nickel RTD's:</b> $\pm 0.4^{\circ}\text{C}$ ( $\pm 0.72^{\circ}\text{F}$ ) @ $0^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ )
PROBE SENSING RANGE	$-40$ to $50^{\circ}\text{C}$ ( $-40$ to $122^{\circ}\text{F}$ )
AMBIENT OPERATING RANGE	$-40$ to $50^{\circ}\text{C}$ ( $-40$ to $122^{\circ}\text{F}$ ), 5 to 95 %RH non-condensing
WIRE MATERIAL	PVC insulated, parallel bonded, 22 AWG
ENCLOSURE	<b>A:</b> Polycarbonate, UL94-V0, IP65 (NEMA 4X) <b>C:</b> same as A, includes terminal block <b>E:</b> Same as C, with thread adapter (1/2" NPT to M16) and cable gland fitting
TERMINATION	<b>A:</b> Pigtail, 2 or 3 wire <b>C &amp; E:</b> 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  $0^{\circ}\text{C}$  can be out of the defined tolerance class. Profiling each assembly to take into consideration lead wire and the attachment method should be completed.

#### ACCESSORY - INCLUDED WITH E ENCLOSURE OPTION



CABLE GLAND FITTING



## ORDERING

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

## PART NUMBER

HATSOB

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