# GREYSTON TEM

## OUTSIDE **TEMPERATURE SENSOR TSOB** 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:V	arious thermistors or RTD
Sensor Accuracy:T	hermistors: ±0.2°C (±0.36°F) @ 25°C (77°F)
P	latinum RTD's: ±0.3°C (±0.54°F) @ 0°C (32°F)
N	lickel RTD's: ±0.4°C (±0.72°F) @ 0°C (32°F)
Probe Sensing Range:	40 to 50°C (-40 to 122°F)
Ambient Operating Range:	40 to 50°C (-40 to 122°F)
Wire Material:P	VC insulated, parallel bonded, 22 AWG
Enclosure:A	BS - UL94-V0, IP65 (NEMA4X)
Termination:A	pigtail, 2 or 3 wire
c	Same as A, with terminal block, 2 or 3 wire
E	: Same as C, with cable gland fitting
Country of Origin:C	anada

#### **TYPICAL INSTALLATION:**

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

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

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



#### **PRODUCT SELECTION INFORMATION:**

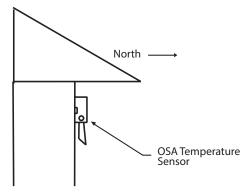
MODEL **Product Description** 

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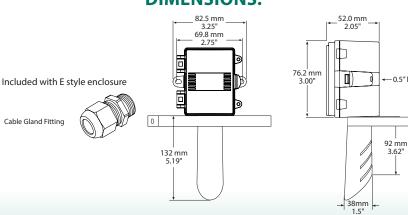
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В	Outside Temperature Sensor		
	CODE	Enclosure	
	A C E	ABS, with hinged & gasketed cover Same as A, with terminal block Same as C, with cable gland fitting	
		CODE	Sensor
		02X 05X 06X 07X 08X 12X 13X 14X 20X	100 Ω Platinum, IEC 751, 385 Alpha, thin film, 3 wire 1801 Ω NTC Thermistor, $\pm 0.2^{\circ}$ C 3000 Ω, NTC Thermistor, $\pm 0.2^{\circ}$ C 10,000 Ω, Type 3, NTC Thermistor, $\pm 0.2^{\circ}$ C 2.252K Ω, NTC Thermistor, $\pm 0.2^{\circ}$ C 1000 Ω Platinum, IEC 751, 385 Alpha, thin film 1000 Ω Nickel, Class B, DIN 43760 10,000 Ω, Type 3, NTC Thermistor, $\pm 0.2^{\circ}$ C c/w 11K shunt resistor 20,000 Ω, NTC Thermistor, $\pm 0.2^{\circ}$ C

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



Cable Gland Fitting



0.5" NPT

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