# GREYSTON TEMS

### **OUTSIDE HIGH LIMIT THERMOSTAT THOS Series**

The single point outside air high limit thermostat incorporates a precision thermistor temperature sensor and provides a Form C relay output (NO/NC) with an adjustable setpoint. 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 Polycarbonate enclosure.

### **SPECIFICATIONS:**

Power Supply:	12 to 28 Vac/dc
Consumption:	50 mA max
Relay Contacts:	SPDT, Form C contacts (N.O. and N.C.)
	5 Amps @ 30 Vac/250 Vac resistive
	1.5 Amps @ 30 Vdc/250 Vac inductive
Relay Action:	Activates on temperature rise
	Single-turn knob-pot on PCB
Adjustable Setpoint:	38 to 60°C (100 to 140°F)
Setpoint Temperature:	Low/Mid/High jumper selectable
	Differential 1.1, 2.8, 5.6°C (2, 5, 10°F)
Temperature Sensor:	10K ohm curve matched precision thermistor
Sensor Accuracy:	±0.2°C, 0 to 70°C (±0.36°F, 32 to 158°F)
Probe Sensing Range:	10 to 105°C (-4 to 221°F)
Probe Material:	304 Series Stainless Steel
	25.4 mm x 25.4 mm (1.5" x 1.5")
Wire Material:	PVC insulated, parallel bonded
Operating Conditions:	10 to 50°C (14 to 122°F), 5 to 95% RH, non-condensing
Storage Conditions:	30 to 70°C (-22 to 158°F), 5 to 95% RH, non-condensing
Wiring Connections:	Screw terminal block (14 to 22 AWG)
Enclosure:	Grey Polycarbonate UL94-V0, IP65 (NEMA 4X)
Country of Origin:	Canada

## **TYPICAL INSTALLATION:** For complete installation and wiring details, please refer to the

product installation instructions.

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

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

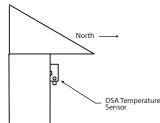
PWR

COM TEMP (2)

NO

NC

COM





Wiring: Terminal

Function Power Supply Power Supply Common Temperature Sensor Input

Relay Output - Normally Open Contact Relay Common Relay Output - Normally Closed Contact

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

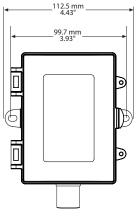
#### PART NUMBER SELECTED

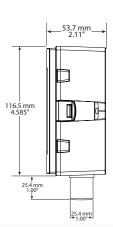
#### **PRODUCT SELECTION INFORMATION:**

	MODEL	. Pr	Product Description								
	тноѕ	Ou	Outside High Limit Thermostat								
CODE				Enclosure							
	B Polycarbonate, with hinged & gasketed cover						hinged & gasketed cover				
				CO	DE	Sensor					
				24	4X	10,000 $\Omega$ , Type 2, NTC Thermistor, ±0.2°C					
						CODE	Adjustable Setpoint Range				
						02	38 to 60°C (100 to 140°F)				
	<b>↓</b>		<b>↓</b>			<b>↓</b>					

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

### DIMENSIONS:









03/19

PS-THOSXXX-01-02

Copyright © Greystone Energy Systems Inc. All Rights Reserved

**PRINTED IN CANADA**