



#### **Outdoor Temperature Sensors**



### Overview

This series of sensors are single point outside air temperature sensors that utilizes a precision sensor. The sensing element is constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration. A sun and wind shield is integrated into the enclosure. This sensor should be mounted on an outside north facing wall using the provided mounting holes, under the eaves which will provide protection from direct sunlight.

## **Applications**

Used for measuring outdoor temperature

### Features & Benefits

- Economical
- Ease of installation
- □ Wide selection of thermistor curves
- Accurate temperature monitoring for increased comfort
- Sensors are hermetically sealed

### **Model Selection**

TS-OMW	Outside Air Sensors (Aluminum Weatherproof Enclosure)
TS-OPR	Outside Air Sensors (Round ABS Enclosure and Gasketed Cover)
TS-OPS	Outside Air Sensors (Rectangular ABS Enclosure and Hinged Cover)



# **Product Specifications**

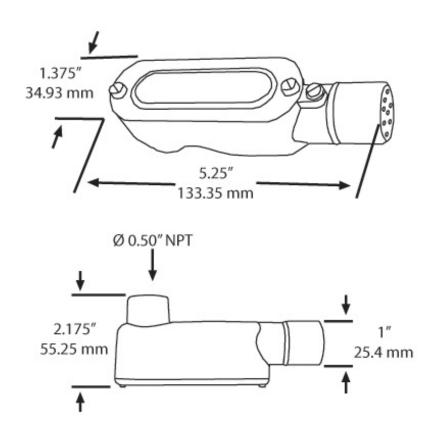
Environmental Operating Temperature	-50°C to 100°C; -58°F to 212°F
Enclosure	
□ TS-OPR □ TS-OPS □ TS-OMW	( ),
Shipping weight  TS-OPR TS-OPS TS-OMW	` 0/
Max Power @ 25°C (77°F)——————	2.2mW/K (Thermistor) 75mW (Thermistor) Less than 10s (Thermistor)
Temperature Sensor  Type <sup>1</sup> ————————————————————————————————————	10kΩ NTC thermistor, Type 2 ±0.2°C; ±0.36°F
Agency Approvals  Material <sup>2</sup>	UL94-5VB

<sup>1.</sup> Temperature sensor type stated is standard. Other temperature sensor types are available

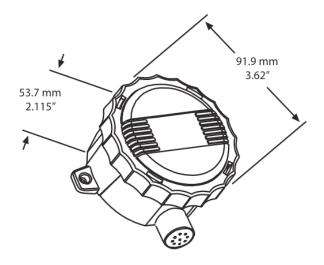
 $<sup>2. \ \ \</sup>text{All materials and manufacturing processes comply with the RoHS directive}.$ 

# **Dimensions**

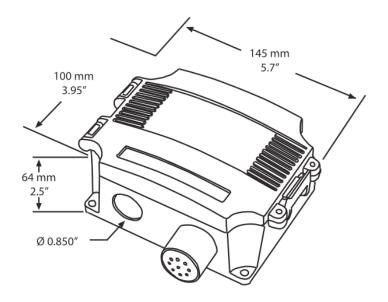
# TS-OMW



## TS-OPR



## TS-OPS



Specifications subject to change without notice.

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