

Product Description

The L02-01-0237 temperature sensor uses a 1.8K Ohm (Type II) thermistor sensor. This sensor provides a predictable output over a specified temperature range to meet the manufacturer's required input value. The L02-01-0237 can be used in many different applications.

Thermistors offer high accuracy and interchangeability over a wide temperature range. The thermistors higher resistance relative to Platinum RTD's creates a larger signal with the same measuring current, negating most lead wire resistance problems and eliminating the need for signal conditioners.



Features and Application Highlights

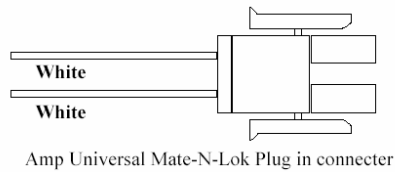
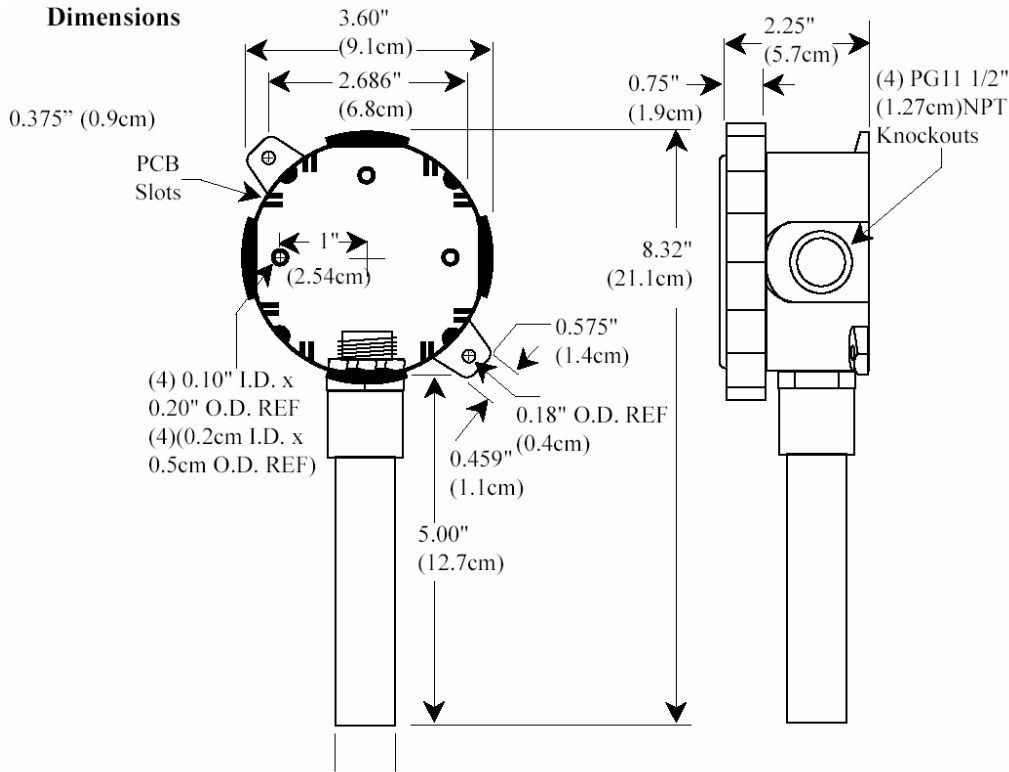
A few of the most common applications are:

- Outdoor Air Temperature
- Cold Storage Warehouses
- Freezers
- Wash Down Applications

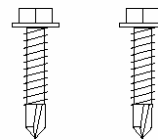
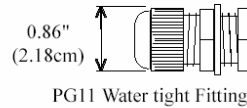
Technical Data

Output	• 1,800 Ohms @ 77°F(25°C) Type II
Operating Temperature Range	• -40 to 302°F (-40 to 150°C)
Interchangeability	• +/- 0.2°C @ 25°C (77°F)
Wire Color	• White/White
Dissipation Constant	• 1 mW/°C nominal
Accuracy	• +/- 1.0°C from 1-70 °C (32 to 158 °F)
Operating Humidity	• 0 to 90% RH non-condensing

Device Detail



Mounting Accessories (Included)



(2) #8 x 3/4 Tek Screw

Mounting

This unit is offered in a weather proof configuration with a plastic tube. The unit should be mounted using the tabs on the enclosure with the plastic tube pointing downwards.

Ordering Information

Model #	Description
L02-01-0237	Outdoor Temperature Sensor -Weather Proof (1.8K Ohm, Type II)