



L02-01-0116 – Outdoor Temperature Sensor - Weather Proof

Product Description

The L02-01-0116 temperature sensor uses a 10K Ohm (Type III) thermistor sensor. These sensors provide a predictable output over a specified temperature range to meet the manufacturers required input value. The L02-01-0116 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

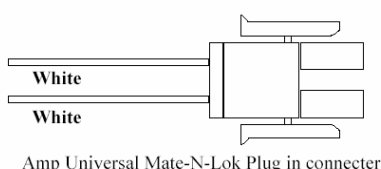
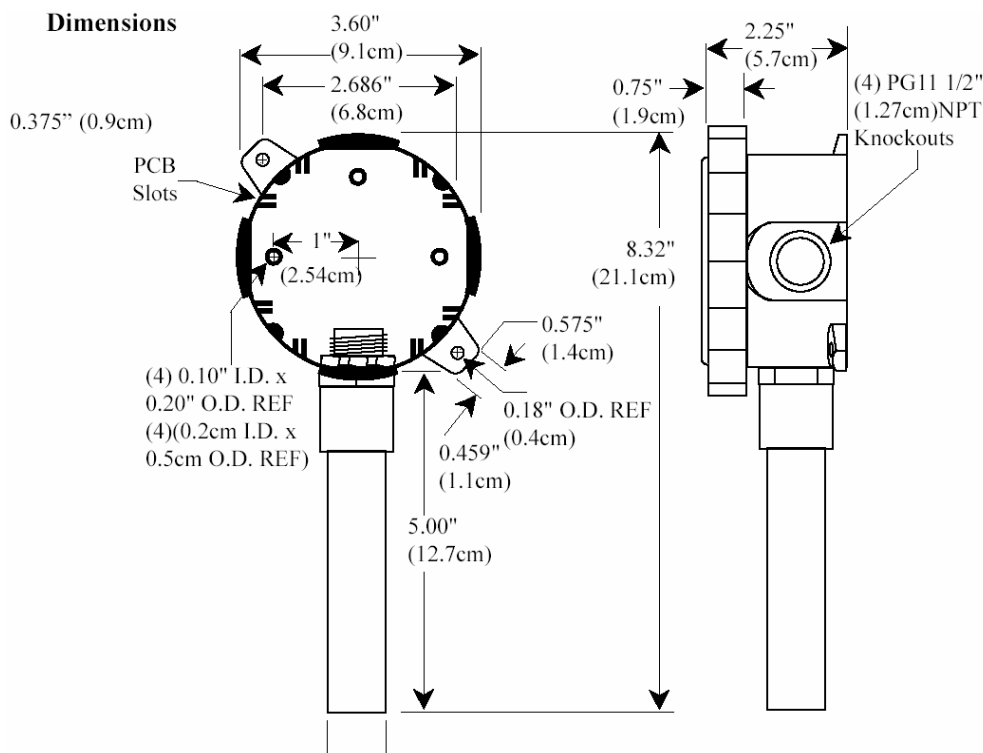
Technical Data

Output	• -40 to 302oF (-40 to 150oC)
Operating Temperature Range	• +/- 0.2oC (0 to 70oC)
Interchangeability	• 10K Ohms @ 77oF(25oC) Type III
Wire Color	• White/White
Dissipation Constant	• 3 mW / oC
Stability	• +/-0.13oC
Accuracy	• +/- 0.2oC (0 to 70oC)
Operating Humidity	• 0 to 90% RH non-condensing

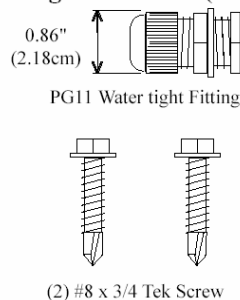


L02-01-0116 – Outdoor Temperature Sensor - Weather Proof

Device Detail



Mounting Accessories (Included)



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
L02-01-0116	Outdoor Temperature Sensor -Weather Proof (10K Ohm, Type III)