

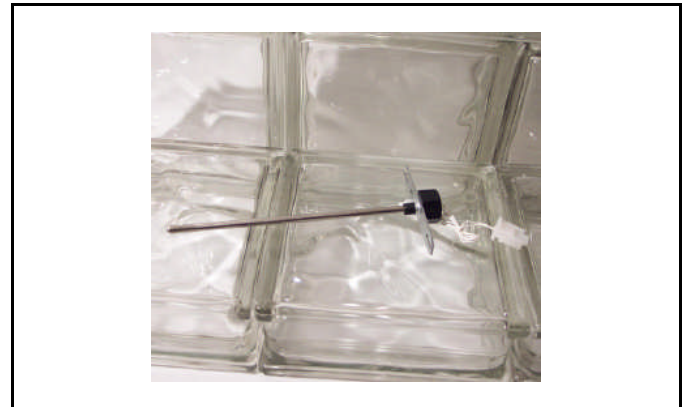
L02-01-0101 Duct Mounted Temperature Sensor

Product Data

Product Description

The L02-01-0101 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 L02-01-0101 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:

- Return Air Temp. in a Duct or Plenum
- Mixed Air Temp. in a Duct or Plenum
- Monitoring Discharge (Supply) Air Temp.
- Monitoring Chamber or Cooler Temperatures
- through Wall or Housing

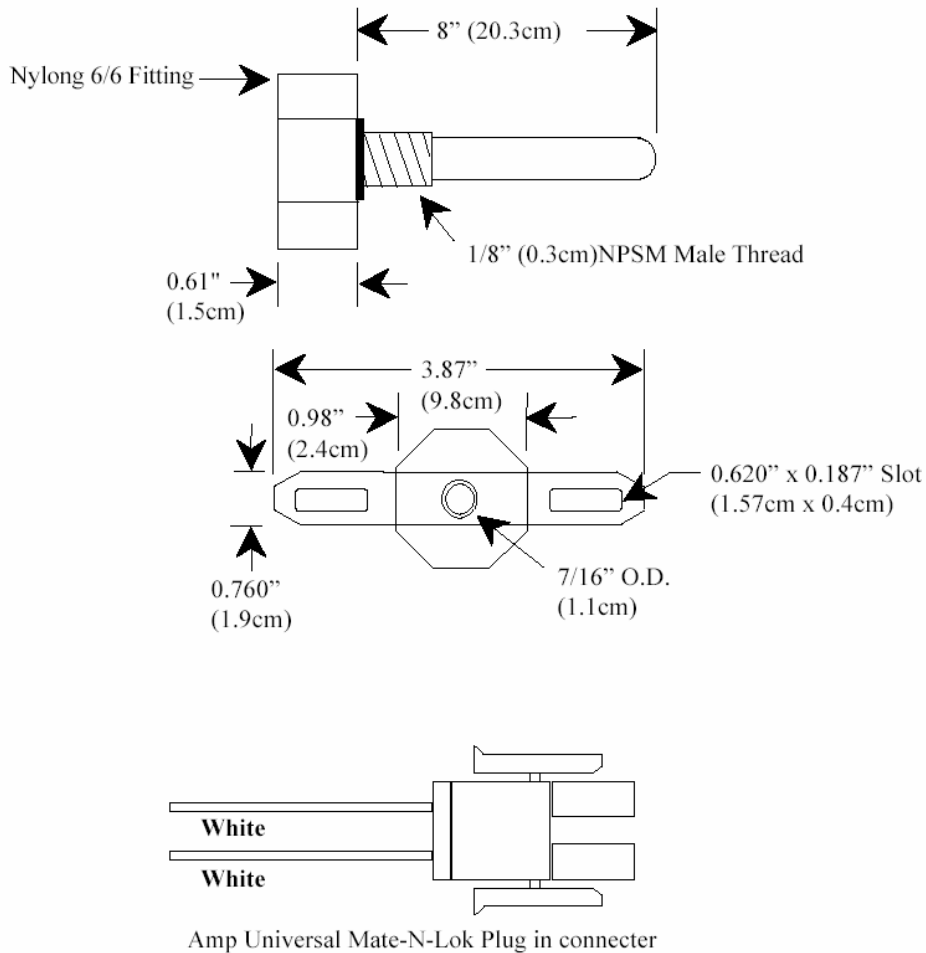
Technical Data

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



Mounting

This unit is offered in a duct mount configuration with an 8" stainless steel probe. The unit should be mounted using the integral Galvanized mounting flange.

Ordering Information

Model #	Description
L02-01-0101	10K Ohm Type III 8" Duct Sensor without box