

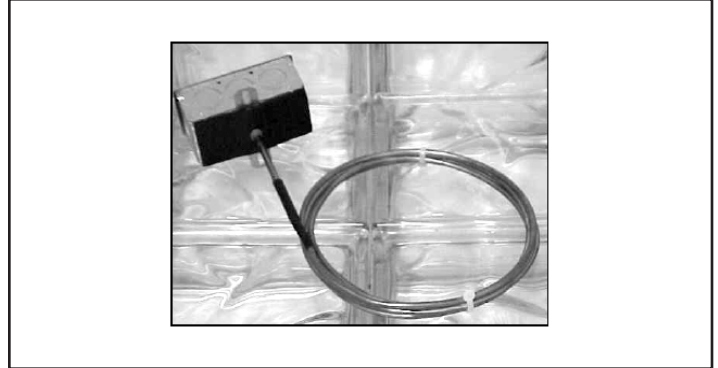
### Product Description

The L02-01-0103 averaging sensor is designed to be used to accurately measure the temperature of the air streams in ducts and plenums. This sensor is encased in a 12' long bendable copper sheath and senses the temperature at four points along the 12' length. This sensor should be used in applications where stratified hot and cold layers might cause errors when using a single point sensor.

All L02-01-0103 sensor comes mounted in a one gang galva-nized junction box with an integral mounting flange and foam pad to prevent vibration and air leakage from the duct or ple-num.

The L02-01-0103 temperature sensor uses a 10K Ohm ther-mistor. These sensors provide a predictable output over a specified temperature range to meet the required input value. The thermistors offer high accuracy and interchangeability over a wide operating temperature range.

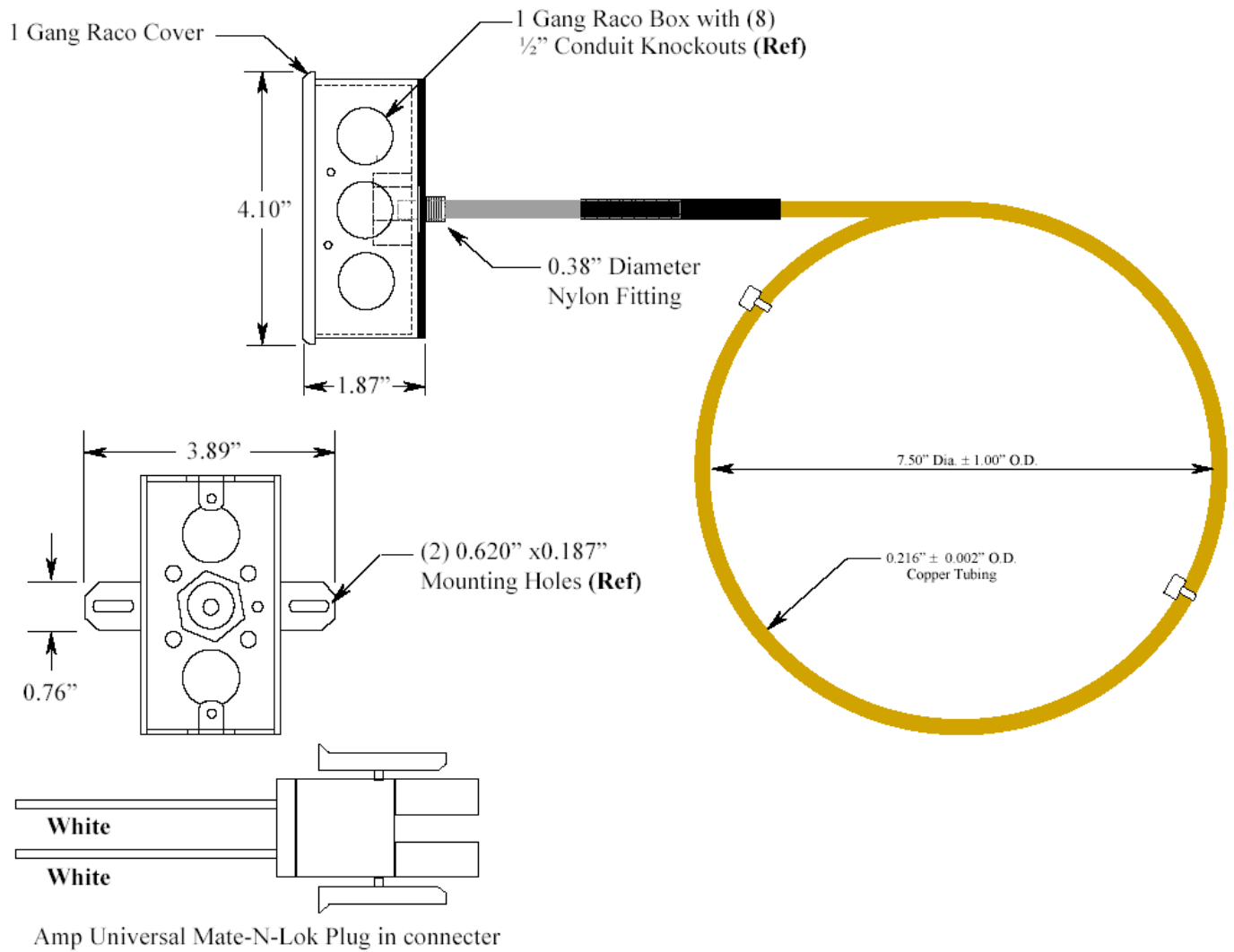
The thermistors' higher resistance relative to Platinum RTD's, creates a larger signal with the same measuring current, ne-gating most lead wire resistance problems and eliminating the need for signal conditioners.



### Technical Data

<b>Output</b>	• 10K Ohms @ 77oF (25oC) (Type III sensor)
<b>Interchangeability</b>	• +/- 0.2oC (0 to 70oC)
<b>Accuracy</b>	• +/-0.2oC (0 to 70oC)
<b>Stability</b>	• +/-0.13oC
<b>Wire Colors</b>	• White / White
<b>Sensor Power Dissipation</b>	• 2 mW / oC
<b>Number of Sensing Points</b>	• 4 Sensors
<b>Operating Temp. Range</b>	• -40 to 302oF (-40 to 150oC)
<b>Operating Humidity Range</b>	• 0 to 95% RH non-condensing
<b>Mounting Hardware</b>	• (6) 7.5" Wire Ties and Wire tie Mounts
<b>Connections</b>	• Amp Universal Mate-N-Lok plug in connector (FUTURE)

**Device Detail**



**Ordering Information**

Model #	Description
L02-01-0103	10K Ohm, 12' Duct Averaging Temperature Sensor