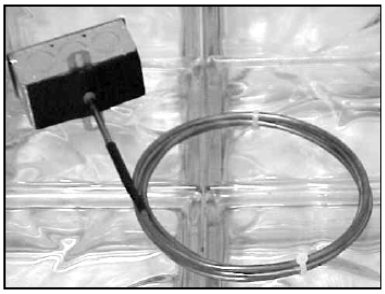
L02-01-0104
8’ Duct Averaging Temperature Sensor

Product Description



The L02-01-0104 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 8’ long bend-able copper sheath and senses the temperature at four points along the 8’ length. This sensor should be used in applica-tions where stratified hot and cold layers might cause errors when using a single point sensor.

All L02-01-0104 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 L02-01-0104 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

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

version: January 3, 2005

Lynxspring, Inc.

Please contact Lynxspring for more information about this product
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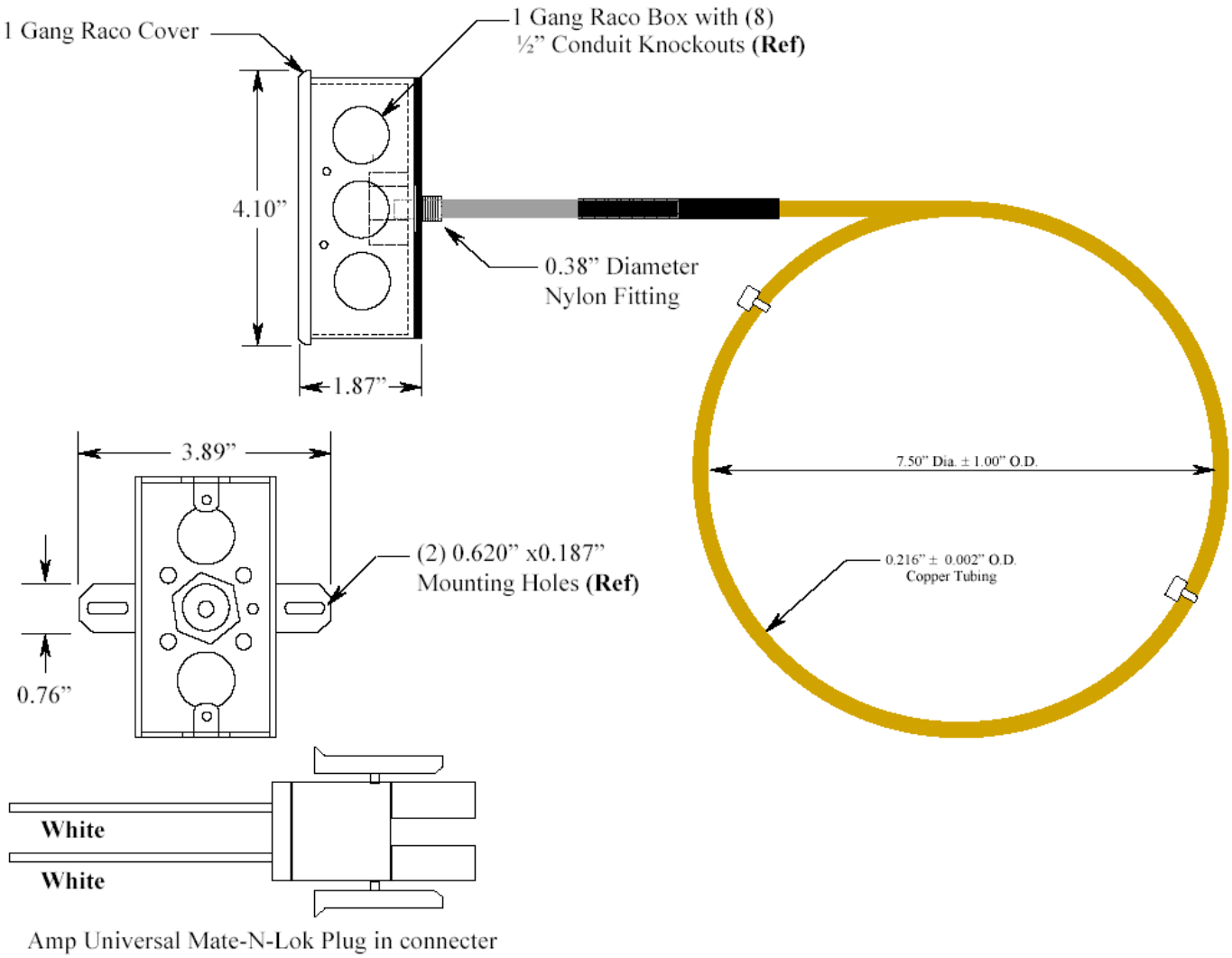
Device Detail



Amp Universal Mate-N-Lok Plug in connecter

Ordering Information

Model #	Description
L02-01-0104	10K Ohm, 8’ Duct Averaging Temperature Sensor

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