



L02-04-0110 – Low Differential Pressure Transmitter

Product Description

The L02-04-0110 is a low differential pressure transmitter that is capable of sensing space pressures from +/- 0.25" WC to +/- 0.5" of water column. Each pressure transmitter utilizes a high quality ceramic capacitive sensor to provide long term stability and performance. Variable capacitance sensors have a good signal to noise ratio and are not plagued by temperature drift.

The L02-04-0110 will provide a three-wire, 0 to 10 VDC output signal with an overall accuracy of +/- 1% of the full scale over the compensated temperature range. The transmitter may be powered by a regulated, +19-36 VDC or 24 VAC supply, and is polarity sensitive. In addition to the standard span of -0.25" to +0.25" WC, this transmitter is capable of being field adjusted to the additional span of -0.5" to +0.5" WC by resetting the internal jumpers. A slight zero offset may be needed. This feature provides greater flexibility in the field. The L02-04-0110 may be used with any of the pitot tubes listed for the measurement of static or differential pressure.



Features and Application Highlights

The L02-04-0110 pressure transmitters may be used in many different applications including:

- Static Pressure Control
- Leak Detection
- Monitoring Filter Blockage
- Pneumatic Controls
- Variable Air Volume Systems (VAVs)

Technical Data

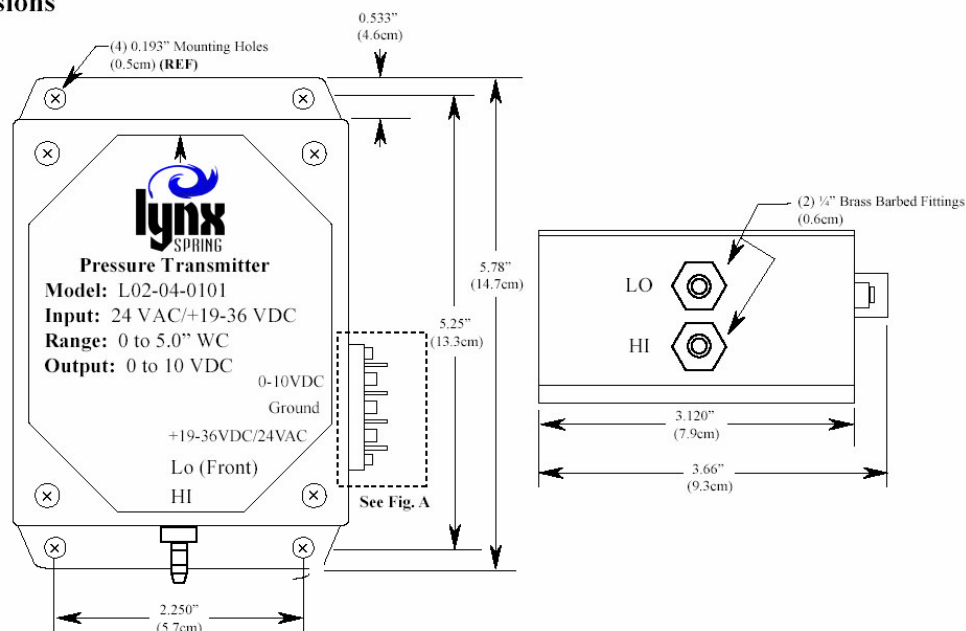
Supply Voltage	• +19 to 36 VDC / 24 VAC +/- 10%
Transmitter Output	• 0-10 VDC
Pressure Range	• -0.25 to 0.25" WC
Adjustable Ranges	• -0.5 to 0.5" WC
Response Time	• 15 msec - 63% full scale step
Position Effect	• 2% Null shift from vertical to horizontal
Pressure Overload	
Positive Pressure	• 25.0" WC
Negative Pressure	• 15.0" WC
Transmitter Accuracy	• +/- 1% of span
Mounting Direction	• Must be mounted with the Brass Fittings Pointed downward
Operating Temperature Range	• -10 to 60oC (14 to 140oF)
Compensated Temperature Range	• 10 to 40oC (50 to 104oF)
Linearity	• +/- 0.5% of span
Pressure Fittings	• 1/4" barbed fitting (Brass)
Temperature Error	
Zero	• +/- 1.5% FSO
Span	• +/- 1.5% FSO
Screw Terminals	• Accepts 18-22 AWG Wire
Optional Accessories	• See back of product Data sheet



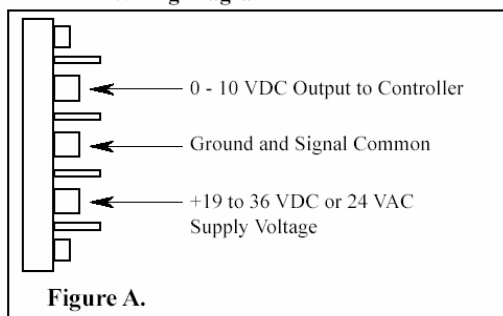
L02-04-0110 – Low Differential Pressure Transmitter

Device Detail

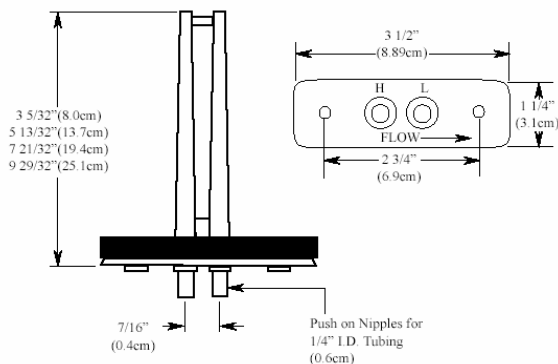
Dimensions



Wiring Diagram



Pitot Tube



Ordering Information

Model #	Description
L02-04-0110	-0.25" to 0.25" Low Differential Pressure Transmitter without Pitot Tube

Accessory Items	Description
PT 3 5/32"	Pitot Tube with 1 sensing point
PT 5 13/32"	Pitot Tube with 2 sensing points
PT 7 21/32"	Pitot Tube with 3 sensing points
PT 9 29/32"	Pitot Tube with 4 sensing points