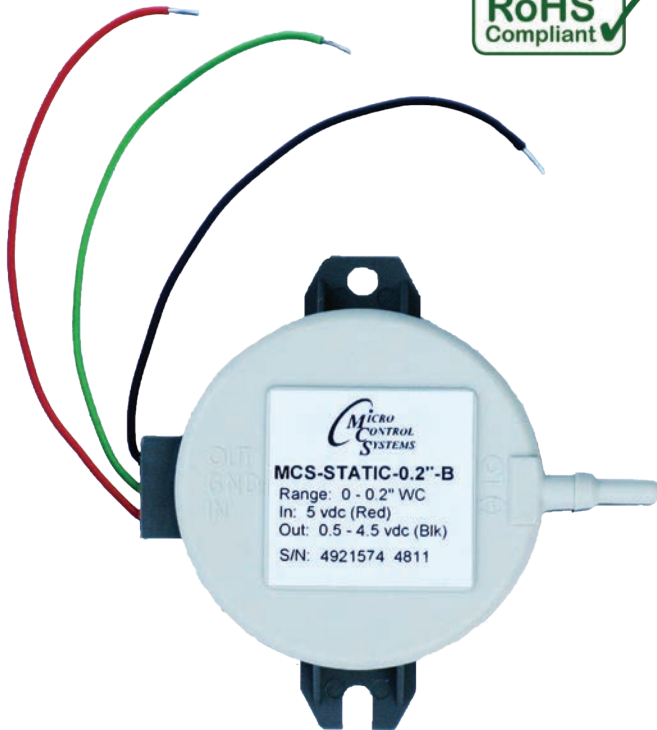




MCS-STATIC-0.2"-B

Description & Specifications



Part # **MCS-STATIC-0.2"-B**

Description

The **MCS-STATIC-0.2"** is a differential (static) pressure transducer that is designed to handle dry air or non-conducting gas. It accepts 4.8 to 8.1vdc and 14.5 to 17vdc for input power and outputs a 0.5 to 4.5vdc signal which is proportional to 0.0 inches to 0.2 inches of water column (WC).

The MCS-STATIC-0.2" differential pressure transducer is designed to measure building static pressure in order to control exhaust fans.

Specifications

- Range 0.00 to 0.20 inches WC
- Accuracy ±1% FSO
- Stability < 1% FSO / yr
- Overpressure..... 5psi in either direction
- Compensated Range..... +20°F to 150°F (-6°C to +65°C)
- Media Dry air or non-conducting gas
- Excitation 4.8 to 8.1vdc
- Supply Current..... 5mA
- Output Impedance 10 ohms
- Output Signal..... 0.5 to 4.5vdc
- Electrical Connection..... 3" lead cables
- Case UL94V-0 glass filled polyester
- Dimensions..... 1.7" X 1" X 2.5" with mounting flanges
- Weight 3 ounces
- Pressure Connections 1/8" and 3/16" diameter
- Conversion Equation VDC = (20)(Inches WC) + 0.5

Inches WC to VDC Chart

Inches WC	VDC (S1 to GND)
0.0	.5
0.01	.7
0.02	.9
0.03	1.1
0.04	1.3
0.05	1.5
0.06	1.7
0.07	1.9
0.08	2.1
0.09	2.3

Inches WC	VDC (S1 to GND)
.1	2.5
0.11	2.7
0.12	2.9
0.13	3.1
0.14	3.3
0.15	3.5
0.16	3.7
0.17	3.9
0.18	4.1
0.19	4.3
0.2	4.5