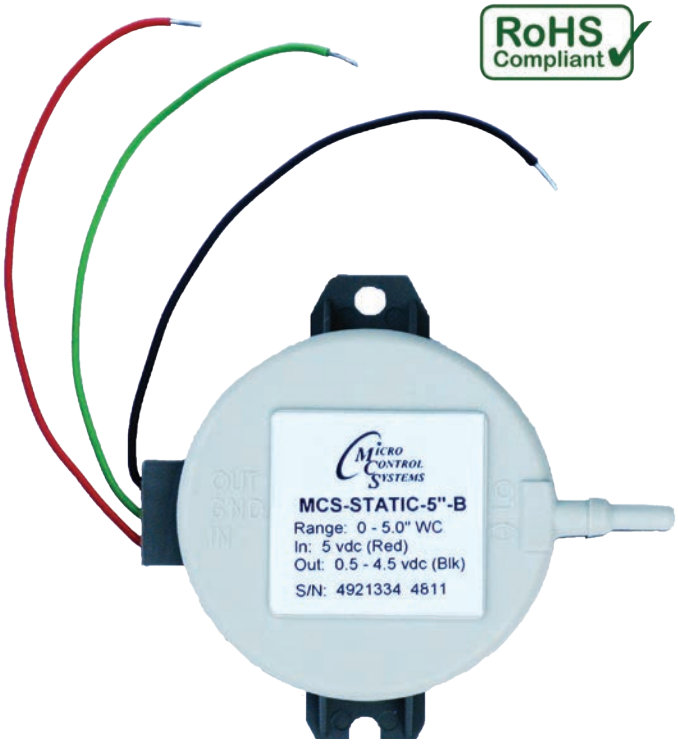
MCS-STATIC-5”-B
Description & Specifications



RoHS Compliant

Part # **MCS-STATIC-5”-B**

Specifications

Range	0.00 to 5.00 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 and 14.5 to 17vdc
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 = (4/5)(Inches WC) + 0.5

Description

The **MCS-STATIC-5-B”** is a differential pressure transducer that is designed to handle dry air or non-conducting gas. It accepts 4.8 to 8.1vdc for input power and outputs a 0.5 to 4.5vdc signal which is proportional to 0 to 5 inches of water column (WC).

The MCS-STATIC-5-B” differential pressure transducer is designed to measure duct static pressure in order to control the speed of evaporator fans in VAV applications or modulate bypass dampers. It can also be used for measuring the pressure drop across filter media to determine when the filter needs changing.

Inches WC to VDC Chart

Inches WC	VDC (S1 to GND)
0.0	.5
0.25	.7
0.5	.9
0.75	1.1
1.0	1.3
1.25	1.5
1.5	1.7
1.75	1.9
2.0	2.1
2.25	2.3

Inches WC	VDC (S1 to GND)
2.5	2.5
2.75	2.7
3	2.9
3.25	3.1
3.5	3.3
3.75	3.5
4	3.7
4.25	3.9
4.5	4.1
4.75	4.3
5.0	4.5

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