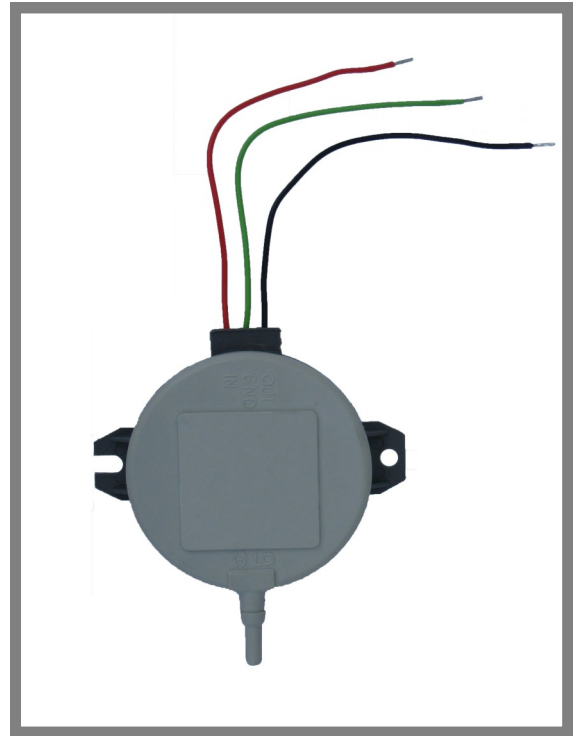


The MCS-STATIC-5" Specifications & Description

Product Characteristics

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



Part # MCS-STATIC-5"

Product Description

The MCS-STATIC-5" 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" 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.

Product Specifications

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