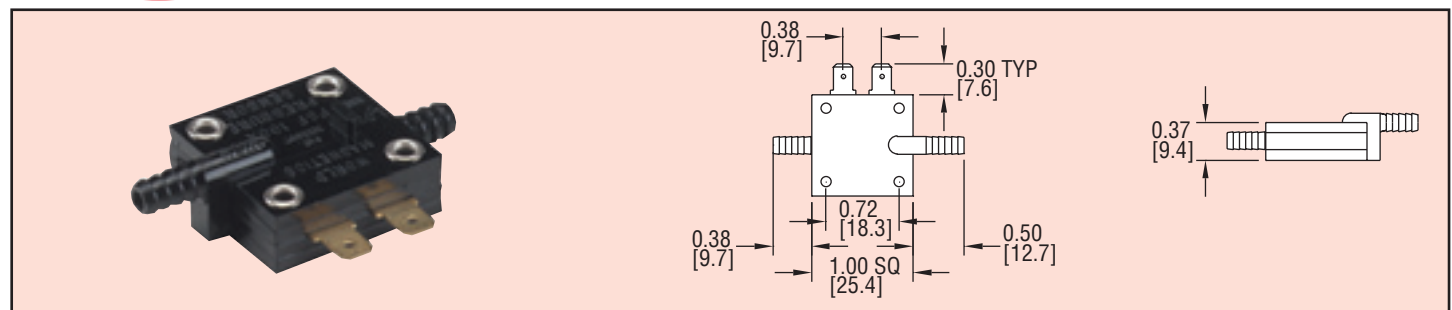




Series MDS

# Miniature Pressure Switch

Shock and Vibration Resistant, Lightweight and Compact, Gold Contacts



The Series MDS Pressure Switch is designed with a double diaphragm to protect false actuation due to shock and vibration. This low cost pressure switch has a minimum 20 million cycle life expectancy, and an extremely fast response time, making this an ideal device for OEM orders.

## SPECIFICATIONS

- Switch Type:** SPST normally open.
- Switching Media:** Air or compatible fluids on "high" side.
- Pressure Limits:** Set point <3.0 in. H<sub>2</sub>O: 8 psi; Set point >3.0 in. H<sub>2</sub>O: 15 psi.
- Current Rating:** 40 mA resistive for life in excess of 20 million cycles.
- Temperature Limits:** 40 to 150°F (4 to 66°C).
- Electrical Connections:** Gold tab-type for use with quick disconnections.
- Pressure Connections:** Two barbed ports for use with 1/8"-3/16" ID tubing.
- Housing:** Polycarbonate.
- Diaphragm Material:** Polyurethane.
- Weight:** Less than 10 grams.

## STOCKED MODELS

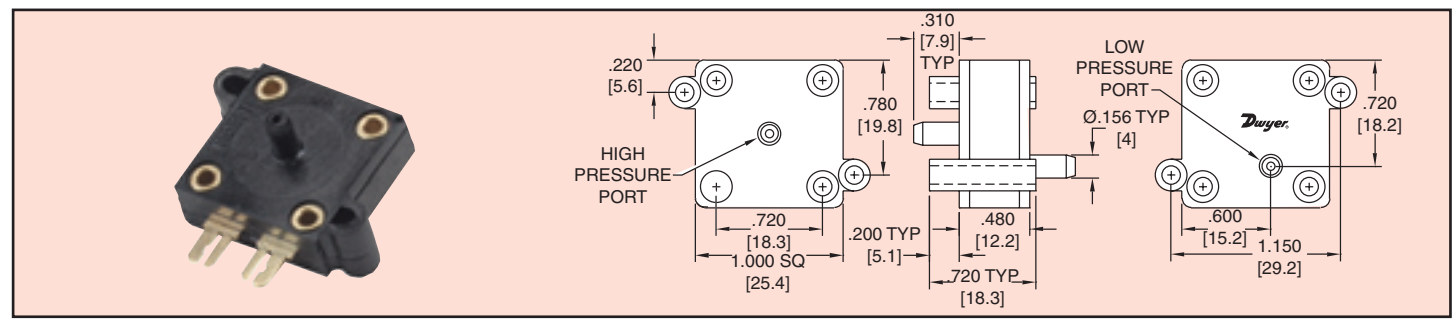
Model Number	Set Point	Model Number	Set Point
<b>MDS-0</b>	0.5 in. H <sub>2</sub> O	<b>MDS-7</b>	8.0 in. H <sub>2</sub> O
<b>MDS-1</b>	1.0 in. H <sub>2</sub> O	<b>MDS-8</b>	10.0 in. H <sub>2</sub> O
<b>MDS-2</b>	1.5 in. H <sub>2</sub> O	<b>MDS-10</b>	15.0 in. H <sub>2</sub> O
<b>MDS-3</b>	2.0 in. H <sub>2</sub> O	<b>MDS-12</b>	30.0 in. H <sub>2</sub> O
<b>MDS-4</b>	3.0 in. H <sub>2</sub> O	<b>MDS-14</b>	50.0 in. H <sub>2</sub> O
<b>MDS-6</b>	6.0 in. H <sub>2</sub> O		



Series MDA

# Miniature Adjustable Pressure Switch

Adjustable Set Points from 0.1 to 100 in. of H<sub>2</sub>O



Sense differential pressure with the Series MDA Miniature Adjustable Pressure Switch. The switch features field adjustable set point and gold inlay contacts. Air or other compatible fluids can be used on the "high side". The lightweight and compact size make the MDA ideal for any application with space constraints. Applications include industrial, HVAC, pump and motor control, medical, automotive, pools and spas.

## SPECIFICATIONS

- Switch Type:** SPST normally open.
- Switching Media:** Air or compatible fluids on "high side".
- Pressure Limits:** MDA-011: 2 psi; MDA-111: 4 psi; MDA-211: 8 psi; MDA-311: 15 psi.
- Current Rating:** 40 mA resistive for life in excess of 20 million cycles.
- Temperature Limits:** 40 to 150°F (4 to 66°C).
- Contacts:** 18K gold inlay.
- Electrical Connections:** Terminals - 0.187" x 0.20: spade (recessed) for use with quick disconnects.
- Pressure Connections:** Smooth port 5/32" diameter for 1/8" ID tubing.
- Housing:** Polycarbonate.
- Diaphragm Material:** Polyurethane.
- Operating Voltage:** AC/DC - 30V or less with resistive load.
- Mounting:** Use #4 screws through mounting lugs or #2 screws through eyelets.
- Weight:** Less than 10 grams.

## STOCKED MODELS in bold

Model Number	Set Point in. H <sub>2</sub> O (mbar)	
	Minimum	Maximum
<b>MDA-011</b>	0.1 (0.25)	0.5 (1.25)
<b>MDA-111</b>	0.5 (1.25)	2.0 (4.98)
<b>MDA-211</b>	2.0 (4.98)	15 (37.37)
<b>MDA-311</b>	15 (37.37)	100 (249.10)