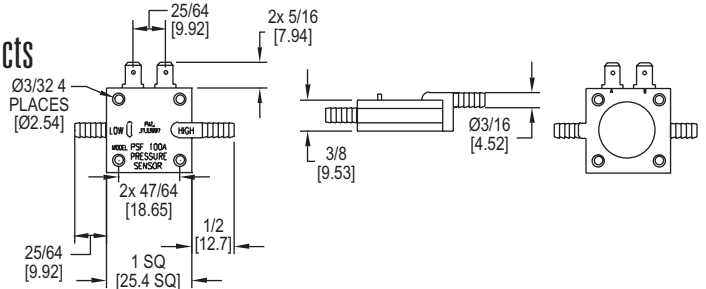
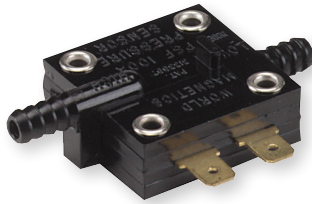


MINIATURE PRESSURE SWITCH

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.

FEATURES/BENEFITS

- Low cost, long service life and fast response time is suitable for a wide range of OEM uses
- Lightweight but shock and vibration resistant for tough applications
- Gold contacts help ensure a clean connection without dirt or oxidation

APPLICATIONS

- Air proving
- Ventilation flow
- Pressure monitoring
- Cleaning and purification
- Heavy equipment and machinery
- Exhaust ducts

SPECIFICATIONS

Switch Type: SPST normally open.
Switching Media: Air or compatible fluids on "high" side.
Pressure Limits: Set point <3.0 in w.c.: 8 psi; Set point >3.0 in w.c.: 15 psi.
Current Rating: Gold contact switch providing maximum 40 mA resistive load allowing for life in excess of 20 million cycles.
Temperature Limits: 40 to 150°F (4 to 66°C).

Electrical Connections: Brass 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.
Operating Voltage: AC/DC - 30 V or less with resistive load.
Weight: Less than 0.353 oz (10 g).
Agency Approvals: cULus.

MODEL CHART

Model	Set Point in w.c.	Model	Set Point in w.c.
MDS-0	0.5	MDS-6	6.0
MDS-1	1.0	MDS-8	10.0
MDS-2	1.5	MDS-10	15.0
MDS-3	2.0	MDS-12	30.0
MDS-4	3.0	MDS-14	50.0

USA: California Proposition 65

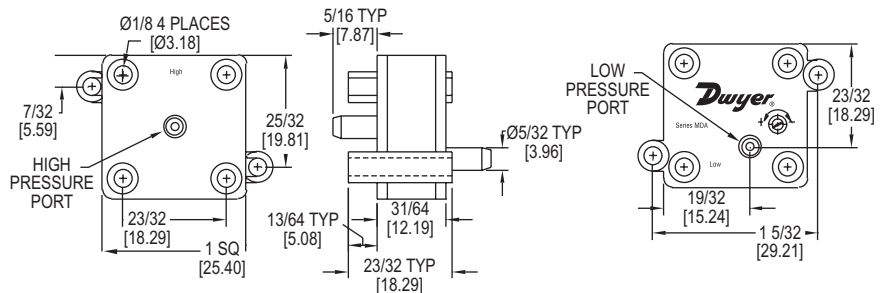
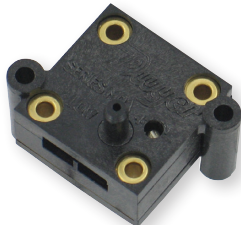
⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Process Tubing Options: See page 499 (Gage Tubing Accessories)

SERIES MDA

MINIATURE ADJUSTABLE PRESSURE SWITCH

Adjustable Set Points from 0.1 to 100 in w.c.



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.

FEATURES/BENEFITS

- Air or fluid on high side permits multiple uses where both air and liquids exist
- Small and lightweight for applications where space is constrained
- Gold contacts help ensure a clean connection without dirt or oxidation

APPLICATIONS

- Industrial
- Medical
- HVAC
- Pump and motor control
- Automotive
- Pools and spas

MODEL CHART		
Model	Min. Set Point in w.c. (mbar)	Max. Set Point in w.c. (mbar)
MDA-011	0.1 (0.25)	0.5 (1.25)
MDA-111	0.5 (1.25)	2.0 (4.98)
MDA-211	2.0 (4.98)	15 (37.37)
MDA-311	15 (37.37)	60 (149.3)
MDA-411	60 (149.3)	100 (249.10)

SPECIFICATIONS

Switch Type: SPST normally open.
Switching Media: Air or compatible fluids on "high side".
Pressure Limits: MDA-011: 4 psi; MDA-111: 8 psi; MDA-211: 8 psi; MDA-311: 15 psi; MDA-411: 30 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 - 30 V or less with resistive load.
Mounting: Use #4 screws through mounting lugs or #2 screws through eyelets.
Weight: Less than 0.353 oz (10 g).
Agency Approvals: cULus.

Process Tubing Options: See page 499 (Gage Tubing Accessories)