**MINIATURE PRESSURE SWITCH**

Shock and Vibration Resistant, Lightweight and Compact, Gold Contacts

The Series MDS Miniature 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**
- Pressure monitoring.
- Heavy equipment and machinery.
- Ventilation flow.
- Cleaning and purification.
- Air proving.

**MINIATURE ADJUSTABLE PRESSURE SWITCH**

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

Series MDA Miniature Adjustable Pressure Switch is used to sense differential pressure. The switch features field adjustable set point and gold inlay contacts. 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.

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**SERIES MDS**

**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).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Min. Set Point in w.c.</th>
<th>Max. Set Point in w.c.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDS-0</td>
<td>0.5</td>
<td>6.0</td>
<td>$29.50</td>
</tr>
<tr>
<td>MDS-1</td>
<td>1.0</td>
<td>10.0</td>
<td>29.50</td>
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<tr>
<td>MDS-2</td>
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<td>15.0</td>
<td>29.50</td>
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<tr>
<td>MDS-3</td>
<td>2.0</td>
<td>20.0</td>
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<tr>
<td>MDS-4</td>
<td>3.0</td>
<td>30.0</td>
<td>29.50</td>
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</tbody>
</table>

**SERIES MDA**

**SPECIFICATIONS**

- **Switch Type:** SPST normally open.
- **Switching Media:** Air (compatible fluids on “high” side).
- **Pressure Limits:** MDA-0XX: 4 psi; MDA-1XX: 8 psi; MDA-2XX: 8 psi; MDA-3XX: 15 psi; MDA-4XX: 30 psi.
- **Current Rating:** 40 mA resistive; Cycle life: More than 20 million cycles.
- **Operating Temperature:** 40 to 150°F (4 to 66°C).
- **Storage Temperature:** -46 to 150°F (-43 to 66°C).
- **Contacts:** 18K gold inlay.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Min. Set Point in w.c. (mbar)</th>
<th>Max. Set Point in w.c. (mbar)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDA-011</td>
<td>0.1 (0.25)</td>
<td>0.5 (1.25)</td>
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<tr>
<td>MDA-111</td>
<td>0.5 (1.25)</td>
<td>2.0 (4.98)</td>
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<tr>
<td>MDA-211</td>
<td>2.0 (4.98)</td>
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<tr>
<td>MDA-311</td>
<td>15 (37.37)</td>
<td>60 (149.3)</td>
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<tr>
<td>MDA-411</td>
<td>60 (149.3)</td>
<td>100 (249.10)</td>
<td>24.50</td>
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</tbody>
</table>