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:**
  - MDS-0: 6.0 in w.c.
  - MDS-1: 10.0 in w.c.
  - MDS-2: 15.0 in w.c.
  - MDS-3: 30.0 in w.c.
  - MDS-4: 50.0 in w.c.
- **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 disconnects.
- **Pressure Connections:** Two barbed ports for use with 1/8˝-3/16˝ ID tubing.
- **Housing:** Polycarbonate.
- **Diaphragm Material:** Polyurethane.
- **Weight:** Less than 0.353 oz (10 g).
- **Agency Approval:** UL.

<table>
<thead>
<tr>
<th>Model</th>
<th>Set Point</th>
<th>Model</th>
<th>Set Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDS-0</td>
<td>0.5 in w.c.</td>
<td>MDS-6</td>
<td>8.0 in w.c.</td>
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<tr>
<td>MDS-1</td>
<td>1.0 in w.c.</td>
<td>MDS-8</td>
<td>10.0 in w.c.</td>
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<tr>
<td>MDS-2</td>
<td>1.5 in w.c.</td>
<td>MDS-10</td>
<td>15.0 in w.c.</td>
</tr>
<tr>
<td>MDS-3</td>
<td>2.0 in w.c.</td>
<td>MDS-12</td>
<td>30.0 in w.c.</td>
</tr>
<tr>
<td>MDS-4</td>
<td>3.0 in w.c.</td>
<td>MDS-14</td>
<td>50.0 in w.c.</td>
</tr>
</tbody>
</table>

### Specifications

- **Switch Type:** SPST normally open.
- **Switching Media:** Air or compatible fluids on “high” side.
- **Pressure Limits:**
  - MDA-011: 8 psi
  - MDA-111: 8 psi
  - MDA-211: 8 psi
  - MDA-311: 15 psi
  - MDA-411: 25 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 0.353 oz (10 g).
- **Agency Approval:** UL.

<table>
<thead>
<tr>
<th>Model</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDA-011</td>
<td>0.1 (0.25)</td>
<td>0.5 (1.25)</td>
</tr>
<tr>
<td>MDA-111</td>
<td>0.5 (1.25)</td>
<td>2.0 (4.98)</td>
</tr>
<tr>
<td>MDA-211</td>
<td>2.0 (4.98)</td>
<td>15 (37.37)</td>
</tr>
<tr>
<td>MDA-311</td>
<td>15 (37.37)</td>
<td>60 (149.3)</td>
</tr>
<tr>
<td>MDA-411</td>
<td>60 (149.3)</td>
<td>100 (249.10)</td>
</tr>
</tbody>
</table>