Differential Pressure Switches

See page 587 for process tubing options.

MIL Environmental Construction—special sealed snap switch for protection against high humidity, fungus and/or military corrosion resistance. Provides rugged, permanent mounting and speeds installation. Lower setpoints may not be possible. To order, add suffix -MIL.

Applications: Similar to Model 1823 except deadband is slightly greater and some applications. Essential for industrial environments, the Series 1800 low price with 2% repeatability for enough accuracy for all but the most demanding applications. Set point adjustment inside the mounting stud permits mounting switch on one side of a wall or panel with adjustment easily accessible on the opposite side. UL and CSA listed, FM approved.

Series 1823 Switches

Operating Ranges & Deadbands

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range, in w.c.</th>
<th>Approximate Deadband</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1823-01</td>
<td>0.07 to 0.22</td>
<td>0.05</td>
<td>$61.50</td>
</tr>
<tr>
<td>1823-05</td>
<td>0.15 to 0.5</td>
<td>0.06</td>
<td>60.00</td>
</tr>
<tr>
<td>1823-1</td>
<td>0.3 to 1.0</td>
<td>0.08</td>
<td>60.00</td>
</tr>
<tr>
<td>1823-2</td>
<td>0.5 to 2.0</td>
<td>0.10</td>
<td>60.00</td>
</tr>
<tr>
<td>1823-3</td>
<td>1.5 to 5.0</td>
<td>0.14</td>
<td>60.00</td>
</tr>
<tr>
<td>1823-10</td>
<td>2.0 to 10</td>
<td>0.18</td>
<td>60.00</td>
</tr>
<tr>
<td>1823-20</td>
<td>3 to 22</td>
<td>0.35</td>
<td>60.00</td>
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<td>1823-40</td>
<td>5 to 44</td>
<td>0.56</td>
<td>60.00</td>
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<tr>
<td>1823-80</td>
<td>9 to 85</td>
<td>1.30</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Series 1823 shown with new zinc plated clear finish.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Temperature Limits: -30 to 180°F (-34 to 82.2°C). 1823-00: -20 to 180°F (-28.9 to 82.2°C).
Pressure Limits: 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surge. Switch Type: Single-pole double-throw (SPDT).
Repeatability: ±2%.
Electrical Rating: 16 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz. Rate to 10 A for operation at high cycle rates.

OPTION

MIL Environmental Construction — Unlisted Model 1820 can be furnished with a special sealed snap switch for protection against high humidity, fungus and/or military applications. Similar to Model 1823 except deadband is slightly greater and some lower setpoints may not be possible. To order, add suffix -MIL.
Example: 1820-2-MIL. add $121.00 net

ACCESORIES

A-389 Mounting Bracket is 16 ga. steel, zinc plated and dichromate dipped for corrosion resistance. Provides rugged, permanent mounting and speeds installation. add $6.40 ea

A-489, 4" Straight Static Pressure Tip with Flange add $6.67
A-491, 6" Straight Static Pressure Tip with Flange add $6.67
A-493, 8" Straight Static Pressure Tip with Flange add $7.50
A-302F-A, 303 SS Static Pressure Tip with mounting flange. For 3/16" ID rubber or plastic tubing. 4" insertion depth. Includes mounting screws add $9.10
A-302F-B, 303 SS Static Pressure Tip with mounting flange. For 3/16" rubber or plastic tubing. 6" insertion depth. Includes mounting screws add $12.50
A-302F-C, 303 SS Static Pressure Tip with mounting flange. For 3/16" rubber or plastic tubing. 8" insertion depth. Includes mounting screws add $14.25

See page 587 for process tubing options.

CAUTION: For use only with air or compatible gases.