DISCONTINUED PRODUCT

PNEUMATIC AND HYDRAULIC PRESSURE SWITCHES

- Rugged, Compact Design
- Convenient Setpoint Adjustment
- High Cycle Life
- Vibration Resistant to 15 g
- Plug-in Electrical Connections

PSW18 Series

SPECIFICATIONS

Repeatability: ±3%; vacuum ranges ±4%
Fluid Temperature: -20 to 80°C (-4 to 176°F)
Ambient Temperature: -10 to 80°C (14 to 176°F)
Wetted Parts Pneumatic: Aluminum, Buna-N, and FKM (A & B) diaphragm, Buna-N diaphragm (C, D, E)
Wetted Parts Hydraulic: Aluminum, steel, PTFE, Buna-N

Construction: Pneumatic-diaphragm, hydraulic-piston
Switch: 5 Amp resistive at 24/125/250 Vac, 3 Amp inductive at 24/125/250 Vac, 5 Amp resistive at 24 Vdc, SPDT 1-common, 2-NC, 3-NO
Low Level: 0.34 A/24 Vac, 0.08 A/125 Vac, 0.1 A/24 Vdc
Note: PSW18P and PSW18H has UL listed switch

Maximum Switch Rate: 100 cycles/min
Electrical Connection: DIN 43650 Cable Plug included
Environmental: IP65
Mounting: Arbitrary
Weight: 0.2 kg (0.4 lb)

Series PSW18 switches have microswitch contacts gold plated over a silver base metal. The gold plating remains intact when “low level” voltage/current levels are observed. This feature assures high reliability switching in low-level electronic circuits. Standard applications do not require gold plating, which will decay naturally when switching larger electrical loads.

ADJUSTMENT OF THE SWITCHING POINT

Either the upper or the lower switching point can be adjusted. (One is fixed by the deadband characteristics of the switch.)

Use a known pressure for exact adjustment.

To Order (Specify Model Number)

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>PRICE</th>
<th>ADJUSTABLE RANGE psi (bar)</th>
<th>DEADBAND psi (bar)</th>
<th>MAX PRES. psi (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSW18PA</td>
<td>$93</td>
<td>-14 to 0 (-1 to 0)</td>
<td>2 to 3 (0.15-0.18)</td>
<td>1150 (80)</td>
</tr>
<tr>
<td>PSW18PB</td>
<td>93</td>
<td>3 to 30 (0.2 to 2)</td>
<td>2 to 4 (0.15-0.27)</td>
<td>1150 (80)</td>
</tr>
<tr>
<td>PSW18PC</td>
<td>88</td>
<td>7 to 120 (0.5-8)</td>
<td>4 to 9 (0.25-0.65)</td>
<td>1150 (80)</td>
</tr>
<tr>
<td>PSW18PD</td>
<td>88</td>
<td>15 to 230 (1 to 16)</td>
<td>4 to 13 (0.30-0.90)</td>
<td>1150 (80)</td>
</tr>
<tr>
<td>PSW18PE</td>
<td>88</td>
<td>15 to 435 (1 to 30)</td>
<td>15 to 73 (1 to 5)</td>
<td>1150 (80)</td>
</tr>
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<tr>
<td>PSW18HA</td>
<td>90</td>
<td>70 to 1015 (5 to 70)</td>
<td>152 to 218 (10.5-15)</td>
<td>5800 (400)</td>
</tr>
<tr>
<td>PSW18HB</td>
<td>90</td>
<td>150 to 2320 (10 to 160)</td>
<td>160 to 247 (11-17)</td>
<td>5800 (400)</td>
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<td>PSW18HC</td>
<td>97</td>
<td>70 to 1015 (5 to 70)</td>
<td>152 to 218 (10.5-15)</td>
<td>5800 (400)</td>
</tr>
<tr>
<td>PSW18HD</td>
<td>97</td>
<td>150 to 2320 (10 to 160)</td>
<td>160 to 247 (11-17)</td>
<td>5800 (400)</td>
</tr>
</tbody>
</table>

Comes with complete operator’s manual.
Ordering Example: PSW18HA is a 70 to 1015 psi hydraulic switch with ¼ NPT fitting, $80.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**

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