ECONOMICAL DIFFERENTIAL PRESSURE SWITCHES/ALARMS

1 to 45 psi
Models with 5 A Switch or 85 dB Audible Alarm

PSW-180 Series

The PSW-180 Series differential pressure switch offers a blend of small size, excellent performance, and environmental protection. The PSW-180 is available with switch contacts or as an audible alarm.

SPECIFICATIONS
Switch: SPDT rated at 5 A at 250/125 Vac, 5 A at 30 Vdc, gold-clad contacts
Audible Alarm: Internal 9 Vdc battery powered, continuous tone 85 dB (battery included)
Repeatability: ±1% of span
Ambient Temperature:
  Storage: -30 to 80°C (-22 to 176°F)
  Operating: 0 to 70°C (32 to 158°F)
Max Media Temp: 95°C (203°F) @ 100 psi

Vibration: MIL STD 810C, 2.5 g 5 to 500 cps
Shock: 15 g, 10 ms duration
Working Pressure: 0 to 150 psid at up to 70°C (158°F) air temperature
Differential Proof Press.: 150 psid at up to 70°C (158°F) air temperature
Enclosure: NEMA 4 (IP65), reinforced polyester body, zinc-plated steel cover with neoprene gasket, terminal block wiring

Adjustment: Multiturn screw, accessible from outside enclosure
Pressure Port: ¼ FNPT brass, ¼ NPSF polysulfone
Dimensions:
  Polysulfone: 70 W x 60 D x 89 mm H (2.75 x 2.38 x 3.5")
  Brass: 80 W x 60 D x 89 mm H (3.13 x 2.38 x 3.5")
Weight: Approx. 165 g (5.8 oz)

To Order

<table>
<thead>
<tr>
<th>¼ NPSF POLYSULFONE</th>
<th>¼ FNPT BRASS</th>
<th>ADJUSTABLE RANGE (psid)</th>
<th>SWITCH</th>
<th>TYPICAL DEADBAND</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>MIN        MAX        MIN</td>
<td>MAX</td>
<td></td>
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MODELS WITH 5 AMP SWITCH

<table>
<thead>
<tr>
<th></th>
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<th>ON FALL</th>
<th>ON RISE</th>
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<tbody>
<tr>
<td>PSW-181</td>
<td>PSW-183</td>
<td>1.0</td>
<td>9.0</td>
<td>2.0</td>
</tr>
<tr>
<td>PSW-182</td>
<td>PSW-184</td>
<td>4.0</td>
<td>43.5</td>
<td>5.5</td>
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MODELS WITH 85 dB AUDIBLE ALARM

|                     |                |          |          |          |
|---------------------|----------------|----------|
| PSW-186             | PSW-188        | 4.0      | 43.5    | 5.5      | 45.0     | N/A      | 1.0    |

Comes complete with operator’s manual.
Ordering Example: PSW-186, differential pressure switch with polysulfone process connection and internal audible alarm.