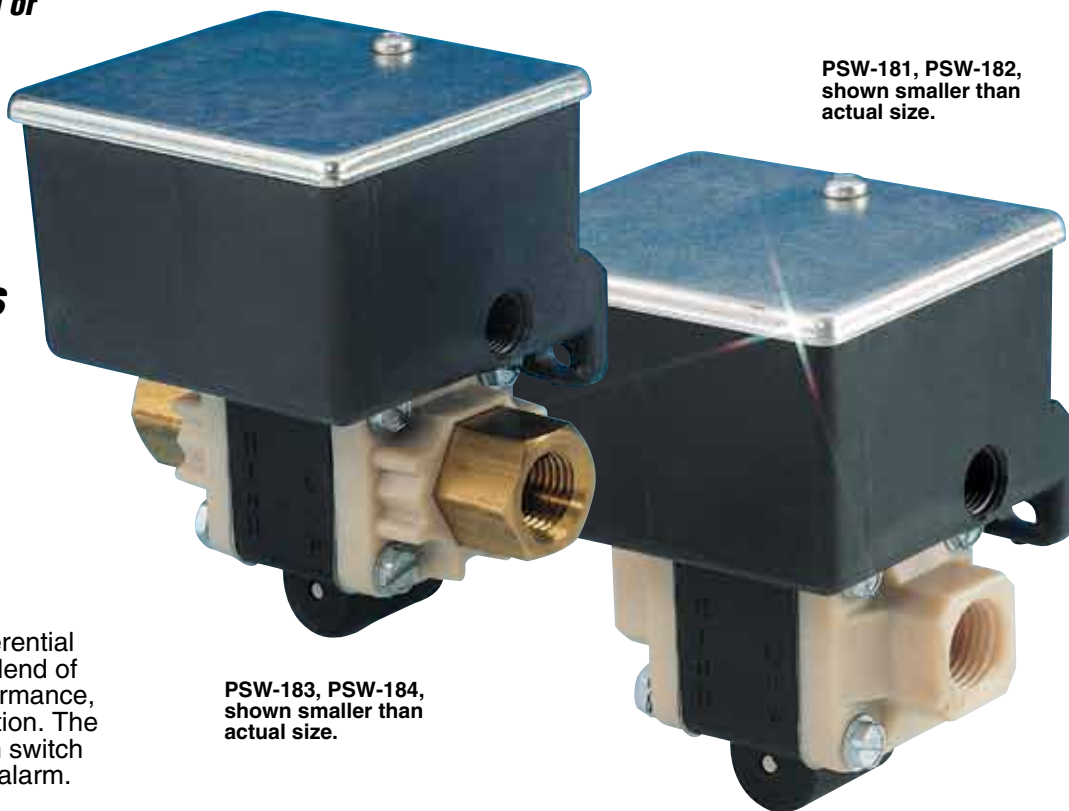


ECONOMICAL DIFFERENTIAL PRESSURE SWITCHES/ALARMS

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

PSW-180 Series



PSW-181, PSW-182,
shown smaller than
actual size.

PSW-183, PSW-184,
shown smaller than
actual size.

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

Not suitable for vacuum
on low side (piston not
attached to diaphragm).

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

| ¼ NPSF POLYSULFONE | ¼ FNPT BRASS | ADJUSTABLE RANGE (psid) | | | | SWITCH | TYPICAL DEADBAND |
|--|-----------------|-------------------------|------|---------|------|----------|---------------------|
| | | ON FALL | | ON RISE | | | |
| | | MIN | MAX | MIN | MAX | | |
| MODELS WITH 5 AMP SWITCH | | | | | | | |
| PSW-181 | PSW-183 | 1.0 | 9.0 | 2.0 | 10.0 | 5 A SPDT | 0.75 |
| PSW-182 | PSW-184 | 4.0 | 43.5 | 5.5 | 45.0 | 5 A SPDT | 1.0 |
| 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.