

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

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

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

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.