

# 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)



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).**

PRESSURE SWITCHES **H**

### To Order

¼ NPSF POLYSULFONE	¼ FNPT BRASS	ADJUSTABLE RANGE (psid)				SWITCH	TYPICAL DEADBAND
		ON FALL		ON RISE			
		MIN	MAX	MIN	MAX		
<b>MODELS WITH 5 AMP SWITCH</b>							
PSW-181	PSW-183	1.0	9.0	2.0	10.0	5 A SPDT	0.75
Product Discontinued	PSW-184	4.0	43.5	5.5	45.0	5 A SPDT	1.0
<b>MODELS WITH 85 dB AUDIBLE ALARM</b>							
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.