

# 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

PSW18H Series Hydraulic Switches



### 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

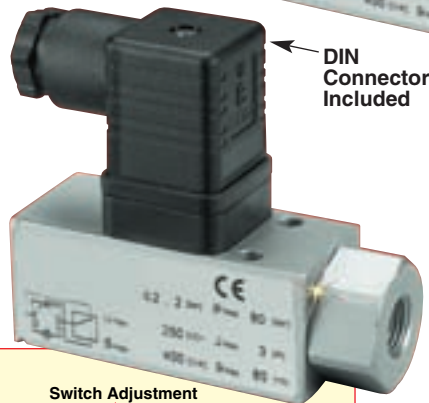
**Maximum Switch Rate:** 100 cycles/min

**Electrical Connection:** DIN 43650 Cable Plug included

**Environmental:** IP65

**Mounting:** Arbitrary

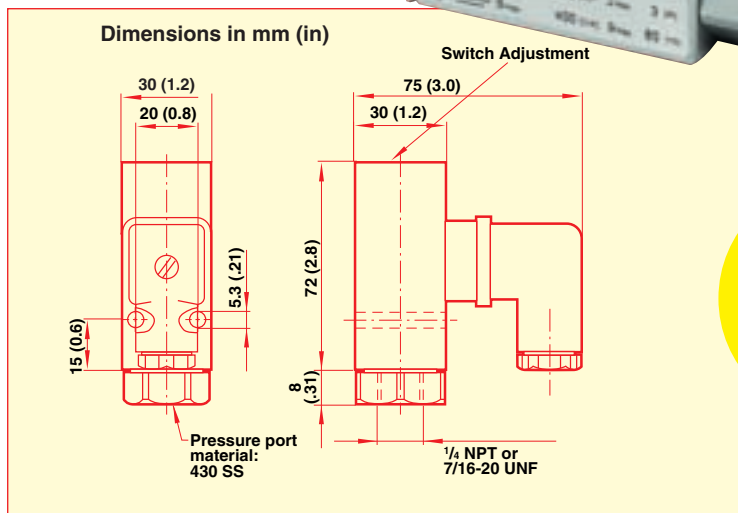
**Weight:** 0.2 kg (0.4 lb)



PSW18P Series Pneumatic Switches

DIN Connector Included

#### MOST POPULAR MODELS HIGHLIGHTED



**\$88**  
Basic Unit

#### To Order (Specify Model Number)

MODEL NO.	PRICE	ADJUSTABLE RANGE psi (bar)	DEADBAND psi (bar)	MAX PRES. psi (bar)
<b>PNEUMATIC PRESSURE SWITCHES, 1/4 NPT, FEMALE</b>				
PSW18PA	\$93	-14 to 0 (-1 to 0)	2 to 3 (0.15-0.18)	1150 (80)
PSW18PB	93	3 to 30 (0.2 to 2)	2 to 4 (0.15-0.27)	1150 (80)
PSW18PC	88	7 to 120 (0.5-8)	4 to 9 (0.25-0.65)	1150 (80)
PSW18PD	88	15 to 230 (1 to 16)	4 to 13 (0.30-0.90)	1150 (80)
PSW18PE	88	15 to 435 (1 to 30)	15 to 73 (1 to 5)	1150 (80)
<b>HYDRAULIC PRESSURE SWITCHES, 1/4 NPT, FEMALE</b>				
PSW18HA	90	70 to 1015 (5 to 70)	152 to 218 (10.5-15)	5800 (400)
PSW18HB	90	150 to 2320 (10 to 160)	160 to 247 (11-17)	5800 (400)
<b>HYDRAULIC PRESSURE SWITCHES, 7/16-20 UNF (SAE-4), FEMALE</b>				
PSW18HC	97	70 to 1015 (5 to 70)	152 to 218 (10.5-15)	5800 (400)
PSW18HD	97	150 to 2320 (10 to 160)	160 to 247 (11-17)	5800 (400)

Comes with complete operator's manual.  
 Ordering Example: PSW18HA is a 70 to 1015 psi hydraulic switch with 1/4 NPT fitting, \$80.

H-30

DISCONTINUED PRODUCT

PRESSURE SWITCHES H

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.



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