

HEAVY-DUTY INDUSTRIAL SWITCHES

SINGLE OR DUAL SETPOINT, INTERNAL OR EXTERNAL ADJUSTMENT

PSW-700 Series
30 inHg Vacuum to 3000 psi

Starts at
\$282

See switch accessories on page H-47 for audible alarms and relay modules.



- ✓ Division 1 Rating
- ✓ Single or Dual Setpoints, Tamper Resistant
- ✓ Heavy-Duty Enclosure
- ✓ Rated NEMA 4X, 7, 9 (IP66)
- ✓ Terminal Block Wiring
- ✓ High-Temperature Operation to 200°C (392°F) Process Temperature (Stainless Steel Model Only)

PSW-700 Series pressure switches are built for the rugged industrial setting. The internal setpoints allow adjustments while keeping the electrical component isolated from the environment. Both the internal and external setpoints have a range scale, allowing fast, easy setup.

SPECIFICATIONS

Approvals: UL listed, CSA certified; Class I, Division 1 and 2, Groups B, C and D; Class II, Groups E, F and G; Class III

Repeatability: ±1% range

Process Temperature:
Stainless Steel: -57 to 204°C (-70 to 400°F)

Brass: -40 to 149°C (-40 to 300°F)

Buna-N: -23 to 93°C (-10 to 200°F)

Ambient Temperature:
-50 to 71°C (-58 to 160°F), except for models 703 to 705, which are -18 to 71°C (0 to 160°F). Setpoint typically shifts less than 1% of range for a 28°C (50°F) ambient temperature change.

Shock: Setpoint repeats after 15 g, 10 ms duration

Vibration: Setpoint repeats after 2.5 g at 5 to 500 Hz

Output: 1 SPDT or 2 SPDT
15 A 125/250/480 Vac

PSW-722, ±10 inH₂O range, \$564, shown smaller than actual size.



Enclosure: Low copper-cast epoxy-coated aluminum

Electrical Connection: ¾ NPT conduit; internal screw terminals

Dimensions:

psi Ranges:
230 (max) H x 125 W x 108 mm D (9 x 4.9 x 4.3")

H₂O Ranges: W and D = 153 mm (6")

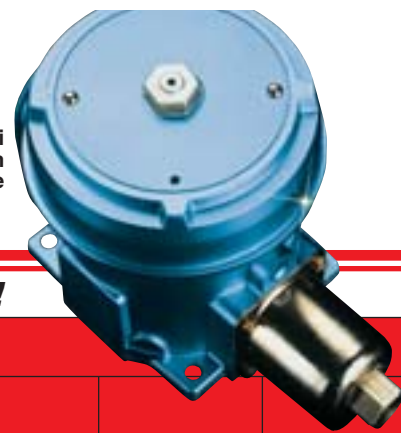
Weight: Approx. 1.7 kg (4 lb)



Dual external setpoint calibration adjustment

INDUSTRIAL SWITCHES

PSW-712, 0 to 30 psi range, \$477, shown smaller than actual size



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	RANGE		DEADBAND STANDARD UNITS	PROOF PRESSURE	SWITCH	DIAL GRADUATION
		STANDARD	METRIC				
SINGLE SETPOINT, FIXED DEADBAND, WELDED 316L SS DIAPHRAGM, 1/2 NPTF PRESSURE CONNECTION							
PSW-721	\$564	-300 to 0 inWC	-747 to 0 mbar	0.2 to 15 inWC	100 psi	15 A SPDT	Blind adj
PSW-722	564	-10 to 10 inWC	-25 to 25 mbar	0.1 to 0.6 inWC	100 psi	15 A SPDT	Blind adj
PSW-723	564	-50 to 50 inWC	-125 to 125 mbar	0.1 to 3 inWC	100 psi	15 A SPDT	Blind adj
PSW-724	564	0.5 to 5 inWC	1.25 to 12.5 mbar	0.1 to 0.3 inWC	100 psi	15 A SPDT	Blind adj
PSW-725	564	2.5 to 50 inWC	6 to 125 mbar	0.1 to 0.8 inWC	100 psi	15 A SPDT	Blind adj
PSW-726	564	10 to 250 inWC	25 to 622 mbar	0.1 to 10 inWC	100 psi	15 A SPDT	Blind adj
PSW-731	282	5 to 30 psi	0.3 to 2.1 bar	1 to 6 psi	2500 psi	15 A SPDT	Blind adj
PSW-732	282	10 to 100 psi	0.7 to 7 bar	1 to 15 psi	2500 psi	15 A SPDT	Blind adj
PSW-733	282	15 to 300 psi	1 to 21 bar	3 to 25 psi	2500 psi	15 A SPDT	Blind adj
PSW-734	282	20 to 500 psi	1.4 to 34.5 bar	4 to 45 psi	2500 psi	15 A SPDT	Blind adj
PSW-735	282	80 to 1700 psi	5.5 to 117 bar	5 to 150 psi	2500 psi	15 A SPDT	Blind adj
DUAL SETPOINT, EXTERNAL CALIBRATED ADJUSTMENT, SEALED BRASS BELLOWS, 1/4 NPTF NICKEL-PLATED BRASS PRESSURE CONNECTION							
PSW-701	\$477	30 inHg vac to 0 psi	1.02 to 0 bar	0.2 to 0.9 inHg	30 inHg	(2)15 A SPDT	0.5 inHg
PSW-711	477	30 inHg vac to 20 psi	-1 to 1.4 bar	0.2 to 1.2 inHg	25 psi	(2)15 A SPDT	1 inHg & 0.5 psi
PSW-712	477	0 to 30 psi	0 to 2 bar	0.1 to 0.6 psi	40 psi	(2)15 A SPDT	0.5 psi
PSW-713	477	0 to 100 psi	0 to 6.9 bar	0.2 to 0.8 psi	125 psi	(2)15 A SPDT	2 psi
PSW-714	477	0 to 200 psi	0 to 13.8 bar	0.3 to 2 psi	200 psi	(2)15 A SPDT	5 psi
DUAL SETPOINT, EXTERNAL CALIBRATED ADJUSTMENT, WELDED 316 SS BELLOWS, 1/2 NPTF PRESSURE CONNECTION							
PSW-702	\$615	0 to 20 psi	0 to 1.4 bar	0.1 to 0.5	25 psi	(2)15 A SPDT	0.5 inHg
PSW-703	615	0 to 30 psi	0 to 2 bar	0.1 to 0.6	40 psi	(2)15 A SPDT	0.5 psi
PSW-704	615	0 to 100 psi	0 to 6.9 bar	0.2 to 0.8	125 psi	(2)15 A SPDT	2 psi
PSW-708	615	30 inHg vac to 20 psi	-1 to 1.4 bar	0.2 to 1.2 inHg	25 psi	(2)15 A SPDT	1inHg & 0.5 psi
PSW-709	615	0 to 200 psi	0 to 13.8 bar	0.3 to 2 psi	200 psi	(2)15 A SPDT	5 psi
DUAL SETPOINT, EXTERNAL CALIBRATED ADJUSTMENT, WELDED 316 SS BELLOWS, 1/4 NPTF PRESSURE CONNECTION							
PSW-705	\$530	0 to 200 psi	0 to 13.8 bar	1.5 to 8	250 psi	(2)15 A SPDT	5 psi
PSW-706	530	0 to 300 psi	0 to 20.7 bar	2 to 9	350 psi	(2)15 A SPDT	10 psi
PSW-707	530	0 to 500 psi	0 to 34.5 bar	3 to 12	575 psi	(2)15 A SPDT	10 psi
DUAL SETPOINT, EXTERNAL CALIBRATED ADJUSTMENT, FIXED DEADBAND, BUNA-N O-RING, SS PISTON, 1/4 NPTF 303 SS PRESSURE CONNECTION							
PSW-710	\$538	125 to 3000 psi	8.6 to 207 bar	40 to 250 psi	10,000 psi	(2)15 A SPDT	50 psi
DUAL SETPOINT, EXTERNAL CALIBRATED ADJUSTMENT, FIXED DEADBAND, BUNA-N DIAPHRAGM AND O-RING, 1/4 NPTF NICKEL-PLATED PRESSURE CONNECTION							
PSW-715	\$429	30 to 300 psi	2 to 21 bar	2 to 7 psi	1000 psi	(2)15 A SPDT	10 psi
PSW-716	429	50 to 500 psi	3.5 to 34.5 bar	3 to 12 psi	2500 psi	(2)15 A SPDT	10 psi
PSW-717	429	200 to 1000 psi	13.8 to 69 bar	5 to 25 psi	2500 psi	(2)15 A SPDT	25 psi

Comes with complete operator's manual.

Oxygen cleaning option available on welded SS diaphragm models; add suffix "-X6B" to model number and \$30 to price.

Ordering Example: PSW-703-X6B, dual-setpoint 30 psi switch with welded SS diaphragm, specially cleaned for oxygen service, \$615 + 30 = \$645.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1849	\$110	Reference Book: Fluid Machinery

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