

ECONOMICAL INDUSTRIAL PRESSURE SWITCHES

Vacuum to 7500 psi

PSW-800 Series



- ✓ Easy Adjustment with Locking Set Screw
- ✓ Rugged Industrial Design
- ✓ Standard ½" Female Conduit Fitting for Electrical Termination

The PSW-800 Series comprises economical pressure switches that feature an easy-to-adjust setpoint with locking set screw. They have a sealed-piston or diaphragm-piston design, ideal for harsh environments. All models come with 300 mm (12") free leads with ½" female conduit fitting for electrical connections.

SPECIFICATIONS

Setpoint Repeatability:
Diaphragm Models (PSW-801 to PSW-807): ±1% of span
Piston Models (PSW-808 to PSW-811): ±1.5% of span

Hysteresis/Deadband:

See "To Order" table at right

Contact Rating: 5 A maximum @ 125/250 Vac, silver serrated contacts
3 A max @ 28 Vdc

Temp Range: -20 to 75°C (-4 to 167°F) (vacuum range); -30 to 75°C (-22 to 167°F) (500 psi and below); -40 to 75°C (-40 to 167°F) (600 psi and above)

Thermal Effects: <1% for 25°C (45°F) change

Proof Pressure: See "To Order" table

Burst Pressure: 2x proof pressure

Sensor Type:

PSW-801 to PSW-807:

Diaphragm piston

PSW-808 to PSW-811: Sealed piston

Wetted Parts:

500 psi and Below: Brass, Buna-N

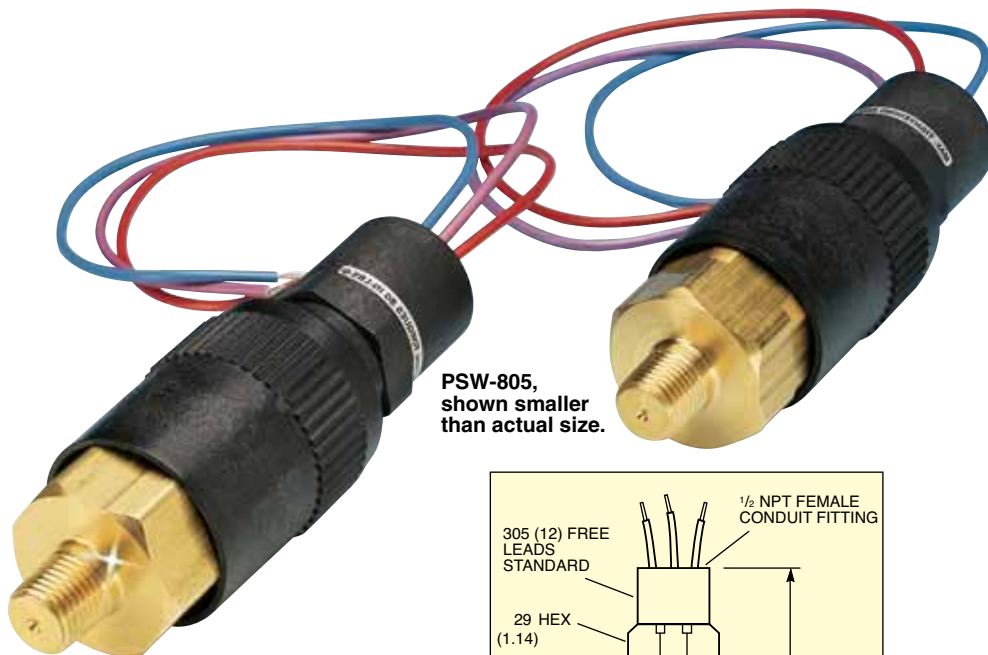
600 psi and Above: Brass, Buna-N and stainless steel

Pressure Port: ¼ MNPT

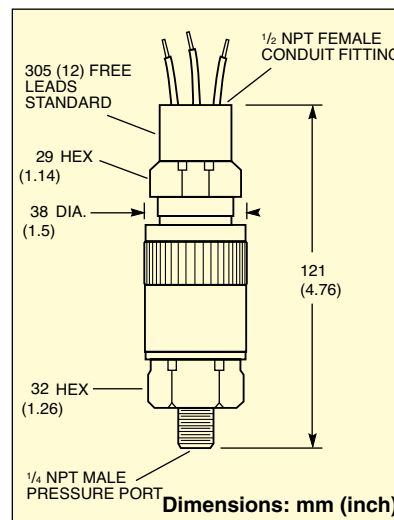
Electrical Connection: 300 mm (12") free leads with ½" female conduit fitting

Housing: Open-type plastic housing

Weight: 0.4 kg (0.95 lb)



PSW-805, shown smaller than actual size.



WIRE CODE	PRESSURE	VACUUM
Lead	Color	Color
Normally closed	Blue	Red
Common	Purple	Purple
Normally open	Red	Blue

To Order

MODEL NUMBER	PRESSURE SETTING RANGE				DEADBAND RANGE	PROOF PRESSURE
	DECREASING		INCREASING			
	MIN	MAX	MIN	MAX		
VACUUM MODEL (inHg)						
PSW-801	1	28	4	30	1 to 4	30 psi
GAGE PRESSURE MODELS (psig)						
PSW-802	2.5	12.8	3	15	0.5 to 2.2	1000 psi
PSW-803	5	31	6	35	1.0 to 4.0	1000 psi
PSW-804	8.5	44	10	50	1.5 to 6.0	1000 psi
PSW-805	22.5	112	25	125	2.5 to 13	1000 psi
PSW-806	70.0	220	50	250	10 to 30	1000 psi
PSW-807	110	440	130	500	20 to 60	1000 psi
PSW-808	190	450	250	600	60 to 150	7000 psi
PSW-809	360	1450	430	1700	70 to 250	7000 psi
PSW-810	1450	3900	1650	4400	200 to 500	7000 psi
PSW-811	3650	6700	4000	7500	350 to 800	12,000 psi

Comes complete with operator's manual.

Ordering Example: PSW-804, 10 to 50 psi pressure switch with 1.5 to 6.0 psi deadband range and 1000 psi proof pressure.