

# 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") (12") color-coded leads and a 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

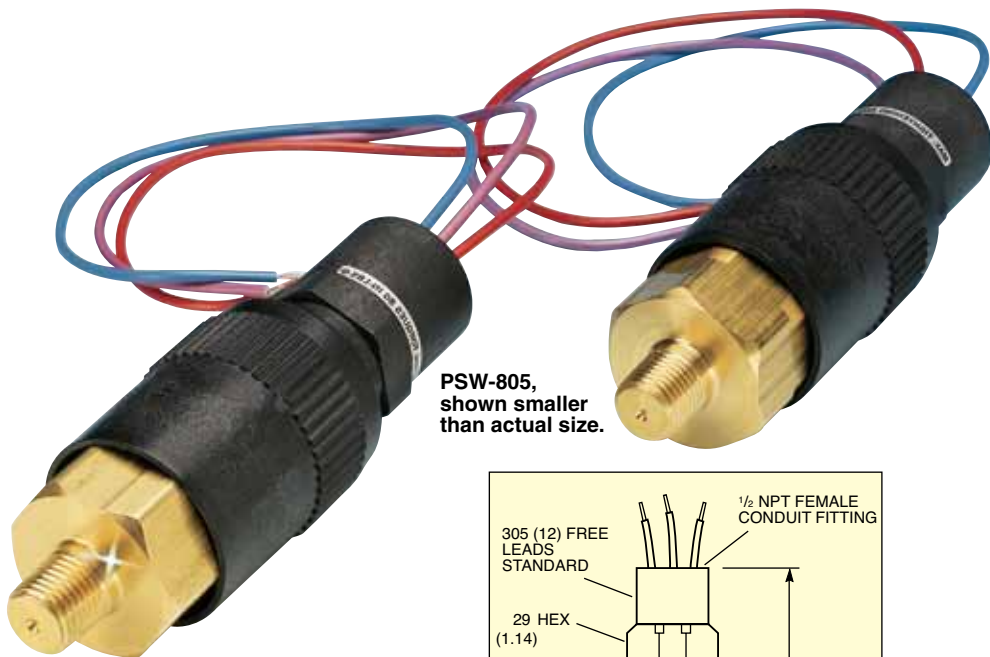
**600 psi and Above:** Brass, Buna-N and stainless steel

**Pressure Port:** ¼ MNPT

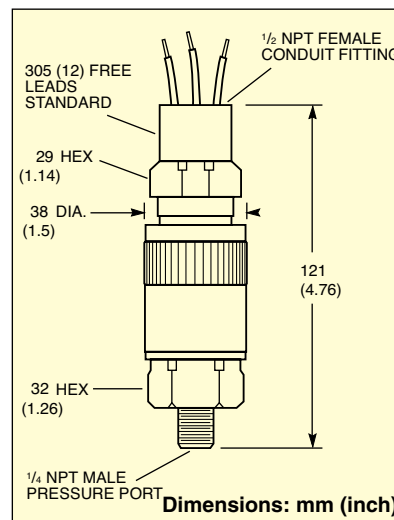
**Electrical Connection:** 300 mm (12") free leads with ½" female conduit fitting

**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		
<b>VACUUM MODEL (inHg)</b>						
PSW-801	1	28	4	30	1 to 4	30 psi
<b>GAGE PRESSURE MODELS (psig)</b>						
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.