

# ECONOMICAL BRASS PRESSURE SWITCHES

10 to 3000 psi

See switch accessories online for audible alarms and relay modules.



PSW-196, shown actual size.

PRESSURE SWITCHES **H**

## PSW-190 Series



The PSW-190 Series cylindrical pressure switch has an epoxy-sealed electrical termination. This rugged design enables the switch to withstand harsh environments.

### SPECIFICATIONS

**Switch:** SPDT, 5 A at 250 Vac or 30 Vdc gold-clad silver contacts for loads down to 5 mA at 6 Vdc, 2 mA at 12 Vdc and 1 mA at 24 Vdc

**Operating Ambient Range:** -20 to 75°C (-4 to 167°F) with Buna-N construction; -20 to 80°C (-4 to 176°F) with FKM or EPDM construction

**Media Temp:** 70°C (158°F) with Buna-N sensor; 120°C (248°F) with FKM sensor

**Wetted Parts:** Brass, O-ring and diaphragm

**Repeatability:**  
**PSW-191, 192, 195 and 196:** ±1%  
**PSW-193, 194, 197 and 198:** ±1.5%

**Shock:** Setpoint repeats after 50 g 10 ms duration

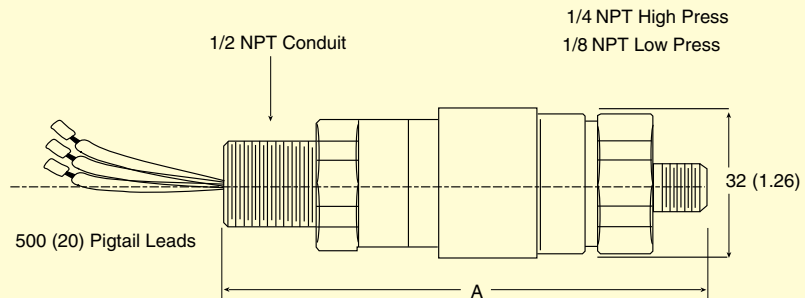
**Vibration:** Setpoint repeats after 10 g, 5 to 500 cps

**Enclosure and Cover:** Aluminum with irridite finish rated for 100 hr salt spray; potted and gasketed for outdoor use

**Pressure Connection:**  
**PSW-191, 192, 195 and 196:** ½ NPT  
**PSW-193, 194, 197 and 198:** ¼ NPT

**Weight:** 128 g (4.5 oz)

Dimensions: mm (inch)



#### WIRE CODE

BLUE = N.O.  
 BLACK = N.C.  
 VIOLET = COM.

#### DIM. A

PSW-191, 192, 195, 196 = 103 (4.06)  
 PSW-193, 194, 197, 198 = 111 (4.37)

### To Order

MODEL NO.	ADJUSTABLE RANGE	TYPICAL DEADBAND	MAX SYS PRESSURE	PROOF PRESSURE
<b>Models with Buna-N O-Ring and Diaphragm</b>				
PSW-191	10 to 150 psi	2 to 10	1500	3000
PSW-192	30 to 600 psi	8 to 60	2500	3000
PSW-193	100 to 1500 psi	20 to 220	8000	10,000
PSW-194	180 to 3000 psi	50 to 400	8000	10,000
<b>Models with FKM O-Ring and Diaphragm</b>				
PSW-195	11 to 150 psi	2.5 to 11.5	1500	3000
PSW-196	33 to 600 psi	9.5 to 69	2500	3000
PSW-197	110 to 1500 psi	23 to 253	8000	10,000
PSW-198	198 to 3000 psi	57.5 to 460	8000	10,000

Comes complete with operator's manual.

**Ordering Example:** PSW-192, cylindrical pressure switch with a Buna-N O-ring and diaphragm and an adjustable range of 30 to 600 psi.