

PRESSURE SWITCH

Winters 2WPS

The Winters' Series 2WPS Pressure Switch features a rugged, compact, sensitive switching mechanism actuated by a bellows assembly. This mechanism can be supplied with one S.P.D.T. electric switch or two S.P.D.T. electric switches that are independently adjusted. The 2WPS can be supplied as a basic unit with no housing, or enclosed in a rugged die cast NEMA 4X, 12 and 13 housing. With the cover of the enclosure removed, the terminals of the electric switch/es, and the pressure adjustments are exposed for easy wiring and adjustment of the pressure setting. The die cast cover is equipped with captive stainless steel screws that retain the cover gasket when the cover is removed. A useful feature of the single switch enclosed model is a calibrated pressure adjustment that aligns with a numerical pressure indicating scale showing the set point range. The bellows pressure sensing elements are constructed from stainless steel and are sized for a wide variety of pressure ranges.

Other useful options can easily be specified with this model.

Common applications include: Tank and compressor level and precision control, hydraulic systems, pumping controls and hazardous area lift station controls.

- Ranges from 10 to 3000 PSI
- Rugged NEMA 4X, 12 & 13 housing
- One or two SPDT contacts
- All metal sensing element
- Calibrated setpoint scale available



Specifications - 2WPS (Bellows Actuated)	
Housing	Diecast Aluminum
Pressure Connection	1/4" NPT
Electrical Connection	1/2" NPT
Port Material	Stainless with Silver Braze
Bellows Material	Stainless Steel
Deadband	Fixed
Sensitivity	1/2% of range (for SPDT)
Drift	<1% of range (100,000 operations)
Contact Ratings	15A - 125, 250, 480 VAC
Set Point Adjustment	Screw type, field adjustable
No. Contacts	One or Two S.P.D.T.
Contact Listings	UL Recognized, CSA Certified
Maximum Ambient Temperature	180°F
Minimum Ambient Temperature	-40°F
Weight	Approx. 1.8 lbs.

Adjustable Pressure	RANGES		Maximum Pressure
	Fixed Switch Dead Bands LOW	STD	
0-10 psi	.40#	.80#	300
0-20 psi	.45	.90	300
0-50 psi	.50	1.0	300
0-100 psi	.75	1.5	300
0-250 psi	3.0	6.0	1500
0-500 psi	4.0	8.0	1500
0-750 psi	8.0	16.0	2500
0-1000 psi	9.5	19.0	2500
0-1500 psi	29.0	58.0	5000
0-3000 psi	33.0	66.0	5000

PRESSURE VACUUM MODULE

Fluke PV 350

Measures hydraulic pneumatic pressures to 350 PSI and 29.9 in. Hg vacuum in a single module. The PV350 Pressure/Vacuum Transducer Module (the module) measures gauge pressure; the difference between atmospheric (barometric) pressure and the pressure (or vacuum) applied to the pressure port on the transducer. It then converts that measurement to 1mV dc per unit. A module and a high-performance digital multimeter (DMM) with min/max function become a datalogger capable of measuring peak high and peak low.

- Compatible with all Fluke and most popular DMMs
- Digital pressure and vacuum measurements in a single module
- Transducer sealed in 316 stainless steel compatible with variety of liquids and gases
- Measures vacuum to 76 cm Hg
- Displays results in English (psig of Hg) or metric (kPa or cm Hg) units
- Measures pressure to 3447 kPa (500 psig)
- One year warranty

