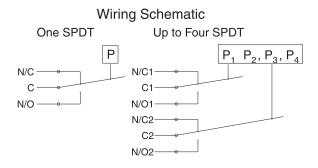
6WPS 6WPS Pressure Switch



Ranges from 0-15 psi to 0-300 psi Class I, Div. I, Gr. C and D available



Installation Notes

Orientation - The 6WPS Diaphragm Actuated will operate satisfactorily in any position. However, mounting the device vertically will allow the easist adjustability and reduce sediment in the pressure chamber.

Wiring - Switches may be wired to 'normally open' or 'normally closed' terminals on electric switch(es).

Pressure Connection - 1/4" NPT female is standard. 1/2" NPT male is available (M option).

Adjustment - Turn pressure adjustment nut(s) clockwise to increase setpoint. Detailed installation and calibration instructions are provided for every shipment. Setting adjustment is available at no charge.

Teflon[®] is a registered trademark of Dupont Corporation Viton[®] is a registered trademark of DuPont Performance Elastomers

Description & Features:

- Constructed using a rugged cast aluminum housing (NEMA 4X and 12) that incorporates Winters' standard accurate switching mechanism actuated by a diaphragm
- Housing can be specified watertight or explosion proof and large enough to accommodate up to 4 full size SPDT electric switches
- Electric switches are available in a variety of configurations including adjustable switch differential (dead band), DPDT, high-low operation, manual reset
- Many switching configurations can be supplied with electric switches that have low switch differentials (dead band), high direct current ratings, gold contacts, hermetically sealed contacts
- Standard pressure-sensing element uses a strong Buna N elastomer diaphragm. Other diaphragm materials are available
- 1 year warranty

Applications:

Multiple tank or pump controls and those requiring alarm systems

Specifications				
Housing	Cast aluminum			
Pressure Connection	¹ /4" NPT			
Electrical Connection	³ /4" NPT			
Port Material	Aluminum			
Diaphragm Material	Buna N, Teflon [®] protected, Viton [®]			
Deadband	Fixed			
Sensitivity	0.5% 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. of Contacts	1, 2, 3 or 4 SPDT or 1 DPDT			
Contact Listings	UL Recognized, CSA Certified			
Maximum Ambient Temperature	180°F (82°C)			
Minimum Ambient Temperature	-20°F (-29°C)			
Weight	Approx. 5 lbs.			

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Switches

Adjustable	Maximum	Maximum		
Pressure Range	Type 1	Type 2	Working Pressure	
Pressure (psi)				
0-15 psi	0.2	0.3	50	
0-30 psi	0.2	0.5	100	
0-60 psi	0.5	1.0	200	
0-100 psi	1.0	2.0	300	
0-150 psi	1.0	2.5	300	
0-200 psi	2.0	3.5	500	
0-300 psi	3.0	5.0	500	
Vacuum				
30"HG /VAC	3"	0.6"	50	
30PR-30 VAC	5"	1.0	50	
High Over-Pressure				
0-15 psi	0.3	0.6	1,000	
0-30 psi	0.4	0.8	1,000	
0-60 psi	0.5	1.0	1,000	
0-100 psi	0.8	1.5	1,000	

Deadband Notes

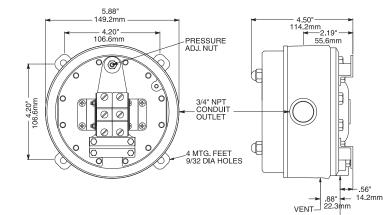
The deadbands listed in the tables are the maximum switch differentials when the standard electric switch is used.

Deadband is affected by the type of switch used. Each type of switch's effect on deadband is as follows:

- Type 1 Low Deadband - Use 1/2 Type 2 table values
- Type 2 Std. Deadband - Use table values
- Type 3 High DC Rated - Multiply Type 2 table values by two
- Type 4 Hermetically Sealed Switch - Multiply Type 2 table values by six
- Gold Contact Use Type 2 table values Type 6



Canadian Standards Association Certified: Industrial Control Equipment Type 4 & 12. Switches Pressure Type for Hazardous Locations, Class I, Group C & D; Class II, Group E, F & G.



Series Number (how to order)

6WPS W 1 MODEL SERIES HOUSING' W - WATERTIGHT - NEMA 4X & 12 X - EXPLOSION PROOF - NEMA 7 & 9 NUMBER OF ELECTRIC SWITCHES 1 ONE S.P.D.T. TWO TANDEM ELECTRIC SWITCHES OPERATE IN PARALLEL D.P.D.T.
 TWO S.P.D.T. INDEPENDENT ADJUSTMENT
 THREE S.P.D.T. INDEPENDENT ADJUSTMENT
 THREE S.P.D.T. INDEPENDENT ADJUSTMENT 4 -FOUR S.P.D.T. INDEPENDENT ADJUSTMENT SPECIAL FEATURES SPECIAL FEATURES -- NO SPECIAL FEATURES A ADJUSTABLE DEADBAND E EXTERNAL PRESSURE ADJUSTMENT EE - TWO EXTERNAL PRESSURE ADJUSTMENTS F - FLANGE BASE MOUNTING CALETY SEAL P - PLANGE BASE MOUNTING
 SAFETY SEAL
 ONE INDICATOR LIGHT (NOT ON X HOUSING)
 LL - TWO INDICATOR LIGHTS (NOT ON X HOUSING)
 M - MALE PIPE MOUNTING ½ NPT
 P - PANEL MOUNTING
 MALE PIPE MOUNTING P - PANEL MOUNTING R> - MANUAL RESET, SWITCH ON INCR. PR. R< - MANUAL RESET, SWITCH ON DECR. PR. SS - SPECIAL TRIM BASE 316 STAINLESS STEEL SI - SPECIAL TRIM BASE TEFLON (NOT ON X SWITCHES) SY - SPECIAL TRIM BASE PVC (NOT ON X SWITCHES) T - TEFLON PROTECTED DIAPHRAGM U - ADDITIONAL PAINTING AFTER ASSEMBLY V HIGH TEMPEDATI DE SEDVICE

- ў-Z-HIGH TEMPERATURE SERVICE VITON DIAPHRAGM

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1/4" NPT PR.PORT-

SST

- TYPE OF ELECTRIC SWITCHES
 1 LOW DEADBAND
 15A 125, 250, 480 VAC
 2 STANDARD DEADBAND
 15A 125, 250, 480 VAC; 0.5A 125 VDC
 3 HIGH DC RATED (MAGNETIC BLOWOUT)
 10A 125 VDC; 3A 250 VDC
 4 HERMETICALLY SEALED SWITCH
 1.A-125VAC; 25A.RES, 10A.IND, 5A.MOTOR
 3A LAMP-28VDC 3A.LAMP-28VDC GOLD CONTACT -6 -

 - 1 A 125 VAC

* SPECIAL FEATURES SUCH AS STAINLESS TAGGING, OR SPECIAL WETTED PARTS; KYNAR, KALREZ, HASTELLOY, ETC. ARE AVAILABLE ON REQUEST. CONSULT WINTERS FOR CAPABILITES AND PRICING FOR ANY FEATURES NOT SHOWN

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