

These pressure switches are built to sense the difference between two pressure sources. The HIGH pressure inlet must be connected to the higher pressure source and the LOW pressure inlet must be connected to the lower pressure source.

Installation

When possible, mount the pressure switch vertically. The switch will be easier to adjust, and the amount of sediment deposited in the pressure chamber will be reduced. However, Winters' switches will operate satisfactorily in any position. For switches with low pressure ratings, changing the position from vertical to horizontal will change pressure settings slightly because of the weight of the mechanism parts. When piping switches to STEAM LINES, it is necessary to install a syphon or condensate trap below the pressure inlet to prevent hot steam from entering the switch.

Wiring

The 'Normally Open' (NO) and 'Normally Closed' (NC) terminals of the MICRO SWITCH show the position of the contacts in the unactuated position. That is, when the switch is not under pressure.

Reset Models

When the MICRO-SWITCH is 'snapped-over', it remains in that position until the pressure returns to normal and the Reset Button is manually pushed. The common terminal has a white wire lead, and the solder terminals are marked (1) and (2). With the pressure switch at normal operating pressure and the switch reset: (by pushing reset button) terminal (1) is normally closed; terminal (2) is normally open.

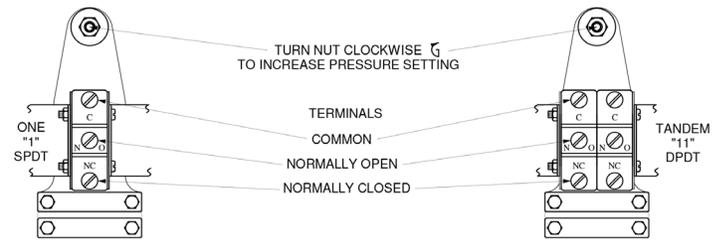
Indicator Lights

5WPS Models use 115V., 20F890 Neon Lamps.

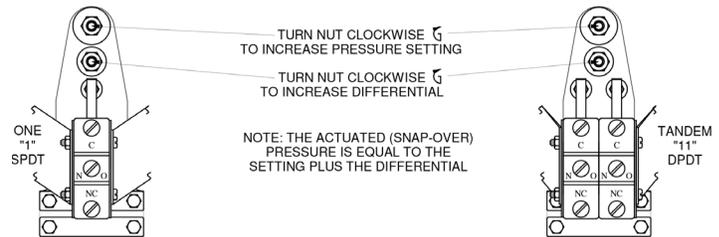
Order Codes

Range psi (bar)	Max. Deadband psi (bar)	Max. Working Pressure psi (bar)	NEMA 4X Code (One SPDT)
0/15 (0/1)	0.7 (0.05)	300 (21)	5WPS0015AFX
0/30 (0/2)	0.7 (0.05)	300 (21)	5WPS0030AFX
0/60 (0/4)	0.8 (0.06)	300 (21)	5WPS0060AFX
0/100 (0/7)	1.0 (0.07)	300 (21)	5WPS0100AFX
0/150 (0/10)	4.0 (0.28)	1,500 (104)	5WPS0150AFX
0/200 (0/14)	4.0 (0.28)	1,500 (104)	5WPS0200AFX
0/300 (0/21)	4.0 (0.28)	1,500 (104)	5WPS0300AFX
0/600 (0/41)	5.0 (0.35)	1,500 (104)	5WPS0600AFX
0/1,000 (0/69)	12.0 (0.83)	3,000 (207)	5WPS1000AFX
0/2,000 (0/138)	15.0 (1.04)	3,000 (207)	5WPS2000AFX
0/3,000 (0/207)	37.0 (2.55)	7,000 (483)	5WPS3000AFX
0/5,000 (0/345)	45.0 (3.10)	7,000 (483)	5WPS5000AFX

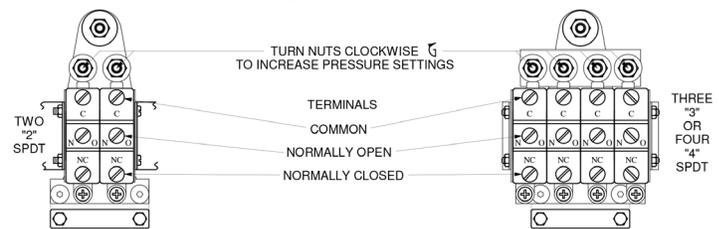
Single or Tandem Electrical Switches With Fixed Switch Differential



Single or Tandem Electrical Switches With Adjustable Switch Differential



Two Independently Adjustable Electric Switches



Pressure Adjustments

The above drawings are representative illustrations of various mechanisms. The pressure adjustment instructions for these mechanisms show the way to turn the stopnut to increase the pressure setting. The stop-nuts are turned using a 3/8" socket wrench. External pressure adjust nuts operate the same way and can be turned using a coin in the slot on the front of the nut.