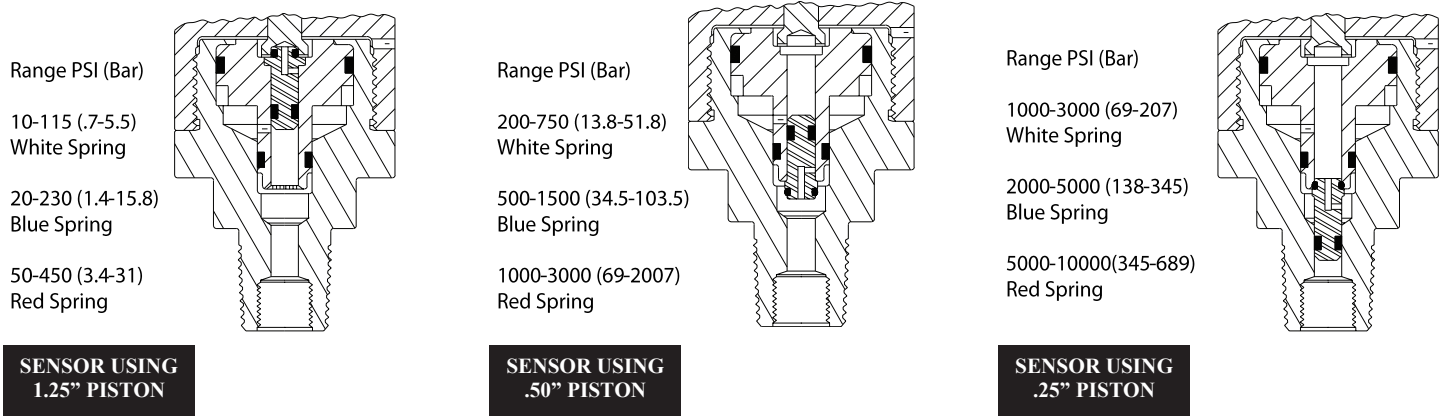


MODEL P40 OPERATION MANUAL

The K-Dyne Model P40 Pneumatic Pressure Switch functions as a 3-way “block and bleed” valve that can be configured to respond to increasing or decreasing process pressures. The standard unit utilizes a patented system which provides three piston diameters that are selected by simply changing the orientation of on part. When used in combination with one of three available spring sizes, the Model P40 offers sensing ranges from 10-10,000 psi. without the purchase of additional bases or pistons.



In order to achieve the highest performance from the pressure switch, the correct spring and piston arrangement must be chosen. K-Dyne offers nine available pressure ranges. In order to achieve the highest performance and lowest deadband, the desired pressure setting should be in the middle of one of the pressure settings.

The Model P40 incorporates two pistons and three piston diameters. The diameters of the main (large) piston are .50" and 1.25". The diameter of the secondary (small) piston is .25". In order to work off of the 1.25" diameter, the secondary piston is placed in the top of the main piston. If the .50" diameter is required, the secondary is placed in the bottom of the main piston. When working off of the .25" diameter, the secondary piston is placed in the bottom of the pilot base (black o-ring up) and place main piston into pilot base. Please see piston arrangements below.

Depending on the pressure setting, the K-Dyne pressure switch uses three different springs. Spring choices are white, blue, and red. Please see range chart for piston and spring choices.

RANGE CHART

Spring Codes Color	AVAILABLE RANGES—PSI (BAR)								
	10-115	20-230	50-450	200-750	500-1500	1000-3000	1000-3000	2000-5000	5000-10000
Standard									
W (White)	X			X			X		
B (Blue)		X			X			X	
R (Red)			X			X			X
Piston Diameter	1.25"	1.25"	1.25"	.50"	.50"	.50"	.25"	.25"	.25"
Piston Code	1	1	1	2	2	2	3	3	3