PRESSURE SWITCH

DK's pressure switches are designed from Vacuum to pressure. The most important component for controlling pressure is the sensing element. Pressure sensors for both metallic and elastomeric are suitable for most applications.

Pressure sensors are normally bellows, diaphragms and piston. This works on force balance principle. Media pressure on the sensing element contracts the force of the range spring (adjustable by the adjusting nut), which moves the piston shaft only a few thousandths of an inch to directly actuate the electrical snap action-switching element.



SPECIAL FEATURES:

- High repeatability
- Narrow Dead Band
- High Over range and proof pressures
- 9 Field adjustable or factory preset
- Rugged simple, versatile, reliable
- Weather tight
- 9 Vibration effect minimum
- Wide adjustable dead band
- 9 Minimum temperature influence



TECHNICAL SPECIFICATION:

Process Materials : 316 SS, 304 SS, Teflon, etc.

Enclosure : Cast Aluminum, weatherproof as per IP-66.

Sensor : Bellow, Diaphragm, Piston

Process Connection : ½" or ¼" NPT(F), other sizes as per process requirement

Switching : Snap acting Micro Switch

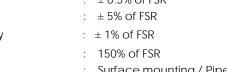
: NO + NC - SPDT; 2 NO + 2 NC - 2 SPDT OR 2 NO + 2 NC - DPDT Contact Form

Contact Rating : 5A, 230 V AC, 0.25 A, 220 V DC, 15A, 125 / 250 V AC etc. Electrical Connection : ¾" ET, 1" ET, ½" NPT, ¾" NPT, 1" NPT, plug in socket, etc.

Max. Working Temperature : 200° C for S.S., 75° C for Neoprene Diaphragm

: $\pm 0.5\%$ of FSR Repeatability Scale Accuracy Switching Accuracy : \pm 1% of FSR Static Pressure

Mounting : Surface mounting / Pipe Mounting / Field.







An ISO 9001:2008 Certified Company 76/2, Selimpur Road, Dhakuria, Kolkata - 700 031.

Ph. No.: 91-33-2415 1310 / 2405 0944, Fax: 91-33-2415 2311.

E-mail: info@dkinstruments.com, Web Site: www.dkinstruments.com

Cat. No. 0018-1

Marketed By:

RANGE SELECTION TABLE

Code	Adjustable Range	Code	Adjustable Range	Code	Adjustable Range
01R	0.1 - 1 Kg / cm ²	032R	2 – 32 kg/cm²	300R	30 – 300 mm WC
04R	0.4 - 4 Kg / cm ²	035R	2 – 35 kg/cm²	500R	50 – 500 mm WC
06R	0.6 - 6 Kg / cm²	040R	4 – 40 kg/cm²	800R	80 – 800 mm WC
10R	1.0 - 10 Kg / cm²	060R	3 – 60 kg/cm²	1000R	100 – 1000 mm WC
16R	1.6 - 16 Kg / cm²	070R	4 – 70 kg/cm²	1500R	150 – 1500 mm WC
20R	2.0 - 20 Kg / cm²	100R	5 – 100 kg/cm²	2000R	200 – 2000 mm WC
25R	2.5 - 25 Kg / cm²	210R	11 – 210 kg/cm²	2500R	250 – 2500 mm WC
XXXR	OTHER RANGE				

ORDERING INFORMATION

Code	Туре											
PS	Pressure Swit	itch.										
DPS	Differential P	ressure Switch.										
	Code	Range										
	01R	0.1 - 1 Kg/cm² (please refer to the Range Selection table)										
	04R	0.4 - 4 Kg/cr	0.4 - 4 Kg/cm² (please refer to the Range Selection table)									
	06R	0.6 - 6 Kg/cm ² (please refer to the Range Selection table)										
	10R	1.0 - 10 Kg/c	1.0 - 10 Kg/cm² (please refer to the Range Selection table)									
	16R	1.6 - 16 Kg/c	1.6 - 16 Kg/cm² (please refer to the Range Selection table)									
	20R	2 - 20 Kg/cm² (please refer to the Range Selection table										
	XXXR	(please refer to the Range Selection table)										
		Code	Wetted	Materials	s							
		A	316 SS				D	MONEL				
		B C	304 SS				E F	SS 304 L OTHER				
		C	C SS 316 L F OTHER Code Process Connection									
			1	½" NPT			½" NPT (M)	7	1⁄4" NPT (M)			
			2	1/4" NPT			½" BSP (F)	8	1/4" BSP (F)			
			3	Other	(1)	6	½" BSP (M)	9	1/4" BSP (M)			
			Code Electronic Connection						74 801 (141)			
					E	3/4" ET (F)		М	1" ET			
					F		F), standard	Р	Plug & Socket			
					G	3/4" ET		0	Other			
					<u> </u>	Code	Switch Form					
						1	One SPDT					
						2		Two SPDT (one setting point)				
						3	`	Gold Contact (SPDT)				
						4		Hermetically Sealed (SPDT)				
						5	One DPDT					
PS	06R	В	1		F	2	Comple	te Orderi	ng Code			



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