

# PRESSURE SWITCH

D.K. make 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 elastomer 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 on an inch to directly actuate the electrical snap action-switching element.

## SPECIAL FEATURES:

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



## GENERAL SPECIFICATION:

<b>Model</b>	: <b>PS - 100</b>
Material of construction	: Sensor - 316 SS, 304 SS, Neoprene, Teflon, Rubber
Wetted parts	: 316 SS, 304 SS, CS, brass, etc.
Enclosure	: Cast Aluminum, LM - 6, pressed sheet steel, weatherproof and dust proof
Sensor	: Bellow, Diaphragm, Piston
Process Connection	: Screwed flanged as per process requirement
Switching	: Snap acting Micro Switch
Contact Form	: NO + NC (1SPDT); 2 NO + 2 NC (2 SPDT) OR 2 NO + 2 NC (DPDT)
Contact Rating	: 5A, 230 V AC, 0.25 A, 220 V DC, 15A, 230 V AC etc.
Electrical Connection	: ¾" ET, 1" ET, ½" NPT, ¾" NPT & 1" NPT etc.
Max. Working Temperature	: 200° C for S.S., 75° C for Neoprene Diaphragm
Repeatability	: ± 1% of FSR
Scale Accuracy	: ± 1% of FSR
Ranges	: 0.5 to 100 Kg / cm <sup>2</sup> of different ranges
Mounting	: Direct mounting
Terminals	: Three way terminal block located within the enclosure



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