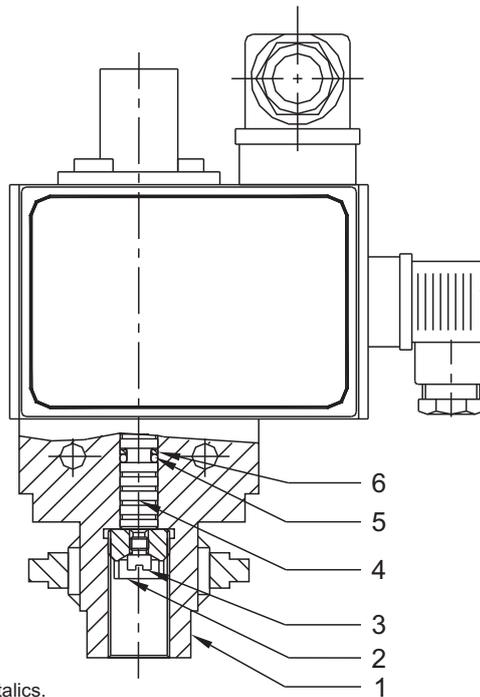


# DK

## 2 SPDT HYDRAULIC PRESSURE SWITCHES (adjustable stage difference)



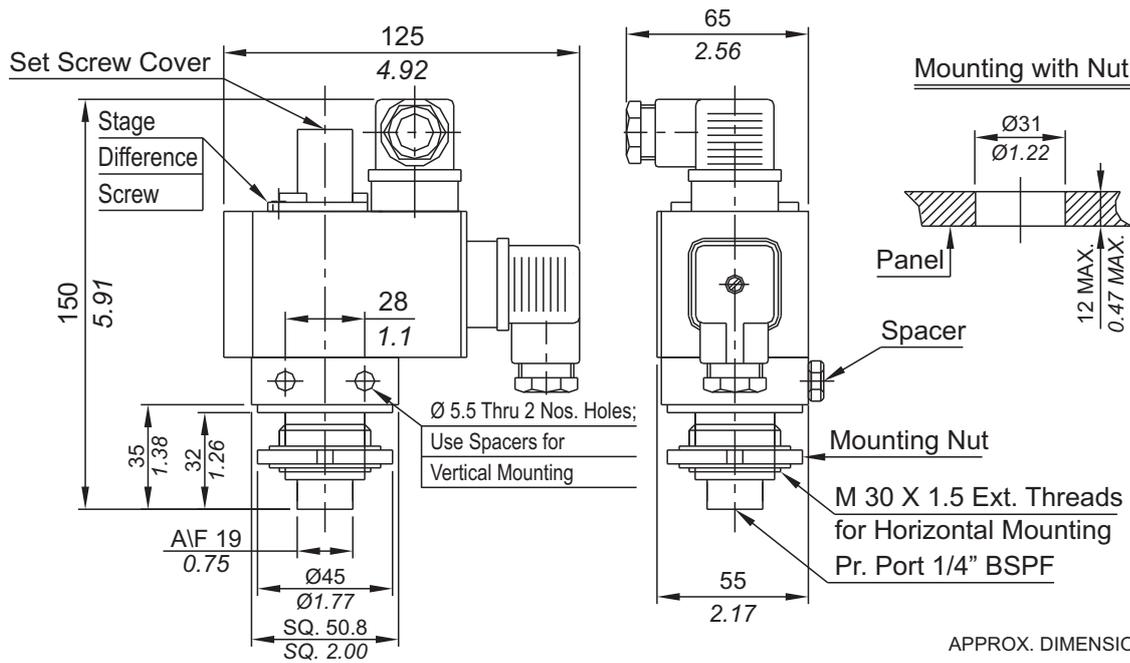
### PRESSURE CAPSULE DETAILS



- No. Description**
- 1. Pressure Housing
  - 2. Surge arrestor
  - 3. Surge reducer
  - 4. Piston
  - 5. O ring
  - 6. Backup ring

Note : *wetted parts* are mentioned in italics.

### INSTALLATION DRAWING



## 2 SPDT HYDRAULIC PRESSURE SWITCHES (adjustable stage difference)

# DK

### General information:

DK series pressure switches are housed in pressure die cast aluminium powder coated enclosure (IP65) and are recommended for panel mounting or outdoor service. Stage differential can be set in these 2SPDT versions (DK series). Both microswitches are synchronised for operation such that the stage difference (or gap) can be adjusted from minimum 15 % of FSR to a maximum of 50% of FSR (on falling setpoints). The repeat accuracy is better than 2 % FSR. Two separate connectors to DIN 43650 are provided for electrical wiring for two independent circuits. Pressure port is ¼ " BSPF standard.

### Features:

- Compact
- Separate chamber for working parts
- Electrical rating : 5A, 250 VAC; 0.2 A, 250 VDC (res.)
- Choice of wetted parts to suit working media
- Pressure port : ¼" BSPF

**Some Applications :** Used in systems requiring an alarm and trip function, e.g. HI-HI/Lo-Lo setpoints, etc.

### Range Selection Table

Range Code	Range (rising pressure) bar (psi)	*Approximate Maximum Differential (Fixed) for low microswitch bar (psi)	* Approximate Maximum Differential (Fixed) for high microswitch at minimum gap bar (psi)	* Approximate Maximum Differential (Fixed) for high microswitch at maximum gap bar (psi)	Maximum Working Pressure bar (psi)
040	5 - 40 (72.52 - 580.15)	6 (87.02)	8 (116.03)	18 (261.07)	80 (1160.3)
100	10 - 100 (145.04 - 1450.38)	12 (174.05)	14 (203.05)	75 (1087.87)	200 (2900.76)

\*minimum differential rises with setpoint (Graphs available on request)

### Wetted Parts Table for DK Series.

	Standard	Optional	Special
Piston	EN8	S.S.	for special wetted parts through chemical seals, please refer page 330,331 & 332 and specify in text accordingly.
*Backup ring	Teflon	Teflon	
O ring	Viton	Viton	
Pressure housing	Aluminium	Brass	
Surge suppressor	EN8	Brass	
Surge reducer	Brass	Brass	

\* Backup ring is not used in all pressure ranges. Please contact sales office for details.

### How to order DK series 2SPDT hydraulic pressure switches.

Group 1	Group 2	Group 3	Group 4	Group 5
Model	Range	Range Scale	Wetted Parts	-
DK - 2 SPDT Fixed diff. Switch with adjustable stage difference	Please select as per range code table	U - uncalibrated	S - for Standard Wetted parts. B - for brass pressure housing, brass surge reducer & suppresser, SS piston. All seals of viton only X - Specify wetted parts in text as per wetted parts table Above	Reserved for nonstandard modifications. Code will be given by company.

eg. A 2 SPDT fixed differential hydraulic pressure switch with adjustable stage difference, pressure range from 5 to 40 bar, with two no.s 5 A, 250 VAC microswitch and standard wetted parts shall be specified by

Group 1	Group 2	Group 3	Group 4	Group 5
DK	040	U	S	-

Please specify full model number to avoid ambiguity. Please refer range table & technical details table before arriving at any model number. If only the first two groups are specified while ordering, pressure switches with standard wetted parts will be supplied.