HYMATEC GMBH
HYDRAULIK MASCHINEN TECHNIK

ADJUSTABLE PRESSURE SWITCH - K4 SERIES

K4 adjustable pressure switches permit opening or closing of an electric circuit upon reaching predetermined pressure value . The preset pressure is found by rotating the external screw located at the centre of the instrument clockwise to increase and vice-versa to decrease the pressure set point value. Mechanical stops protect both the spring and the micro-switch. from over pressurization. The main characteristic of this series is that this miniature pressure switch can be totally dismantled.

Technical features:

Body: 24 mm hexagonal in zinc-plated carbon steel

Assembly: in every position

Working temperature: from - 20°C to + 80°C

Switching frequency: 200 cycles/min

Switching accuracy: ± 5% of the pressure settled to 20°C

Operating point: adjustable through an external screw

Fixed hysteresis value:
- membrane execution ~ 10% of the settled value
- piston execution ~ 15% of the settled value

Weight: 0,06 Kg

Mechanical life: 10^6 cycles at 70 bar (1000 psi) at 20°C

Electric Features:
- Maximum load: 2 Ampère at 48 Volt AC
  1 Ampère at 48 Volt DC
  (see dedicated page)
- Electric protection according to DIN 40050: IP54 with P1 rubber cup protection

Warranty: see dedicated page

Spare parts: see dedicated page

Also available:
- **K4X** with fluid connection port made in AISI 316 stainless steel
- **K4L** body in brass
- Seals in Viton, EPDM, PTFE

CE

HOW TO ORDER

K4 : : : : : : / : : / **P1**

Switching pressure range		Execution	P Max	Type of electric contact	Type of Electric Connection	Hydraulic Connection	Body Material	Seal Type	Preset value	Condition	Protection Cap
	Bar		Bar						Bar		
R	0,2>2,5	Membrane	25	A Normally Open C Normally Closed	F Fast-on 6.3 mm O Screw connection	0 ⅛ BSP 1 ¼ BSP 2 ⅛ BSPT 3 M10x1 4 ⅛ NPT 5 ¼ NPT 6 ¼ BSPT	X AISI316L L BRASS If omitted means zinc plated	V VITON T PTFE E EPDM If omitted means zinc plated	Indicate the value if you want the pressure switch already preset in factory	D means down pressure setting U means up pressure setting	Accessory on request essential to protect the instrument from dirt, moisture and for to have the IP54 protection
S	1>12	Membrane	25								
SP	1>12	Piston	300								
T	5>50	Membrane	200								
TP	5>50	Piston	300								
V	10>100	Piston	300								
Z	20>200	Piston	300								
Y	50>400	Piston	600								

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