

**Description**

Differential pressure switch is used to monitor the pressure difference of neutral and slightly aggressive liquid and gases. It is applied to monitor pump status, boiler, flow, and filter condition. It will send the signal when the flow or pressure falls or rises to an alarm condition. The special design makes it easy for installation and adjusting the switching point.

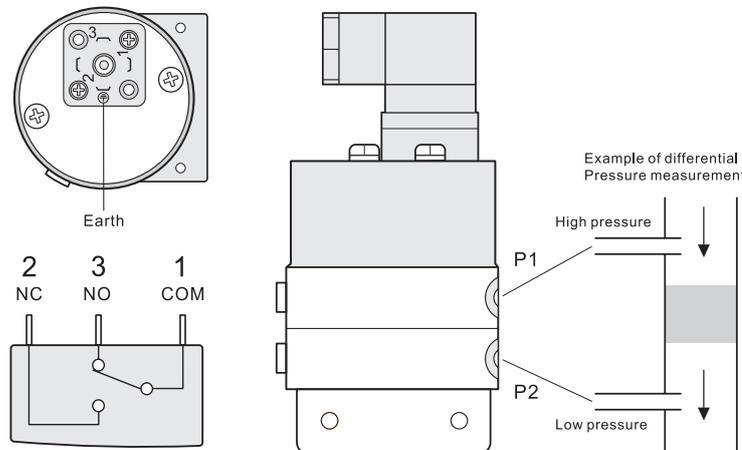
**Features**

- High over pressure safety margin to 20bar
- Adjustable mounting bracket
- Switching point is easy to be adjusted with adjustable screw
- Enclosure rating IP54
- CE approval



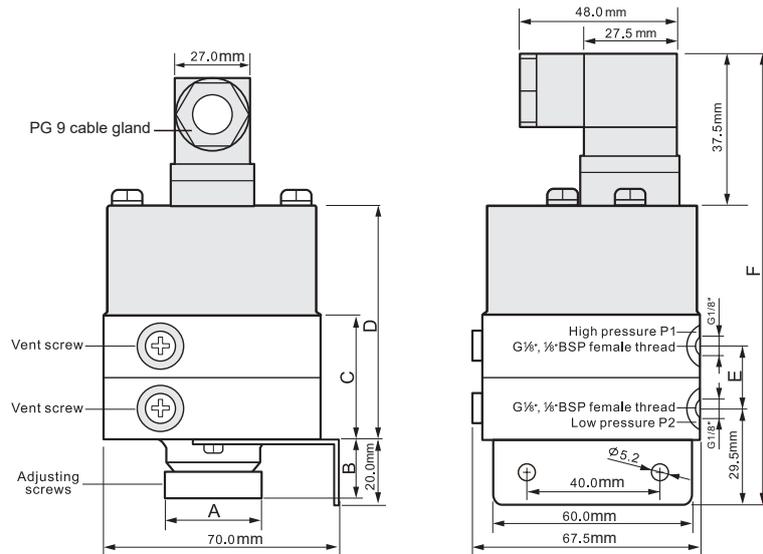
**Installation**

- Make sure that the maximum pressure of DPS is higher than that of the pressure to be applied
- P1 is the high pressure side and P2 is the lower pressure side, it can't be fit reversely
- Make sure that the electrical supply is isolated before removing the cover
- Make sure the DPS electrical switch is of the correct rating
- Make sure the terminals are correctly connected and the DPS is correctly earthed
- Make sure the ambient and process temperature acting on the DPS should be within the -10 to 85°C
- Make sure that DPS is installed in a place with no vibration
- For monitoring the pressure of liquid, DPS has to be installed horizontally to make sure the accuracy of measurement will not be effected by gravity
- Make sure there has no sediments go into the sensor
- Make sure there are no valves between sensing points
- Adjusting switching point with the screw driver by the adjusting screw
- Test the whole system



**Dimensions ( mm )**

Type	No.	KCL250 KCL1000	KCL4000
A		Φ29.0	Φ40.5
B		18.5	31.5
C		378	43.0
D		76.0	81.0
E		18.8	21.5
F		133.5	139.0



### Specifications

Type	Pressure Range	Hysteresis
KCL250	40 to 250 mbar	25 mbar
KCL1000	0.07 to 1 bar	50 mbar
KCL4000	0.2 to 4 bar	100 mbar

<b>Maximum operating pressure</b>		20 bar
<b>Cable gland</b>		PG 9 thread (female in body)
<b>Contact</b>		SPDT micro-switch with a rating of 5A at 250V AC
<b>Life</b>		>106 switching cycles
<b>Materials</b>	<b>Body</b>	Brass
	<b>Cover</b>	Steel with power painting
	<b>Diaphragm</b>	EPDM
<b>Pressure connection</b>		G1/8"(DIN 259), 1/8" BSP female thread, (P1>P2)Enclosure
<b>Enclosure rating</b>		IP54
<b>Working temperature</b>		-10 to 85°C
<b>Dimensions (H*L*W)</b>		133.5×675×67.5mm, 139×675×67.5mm
<b>Weight</b>		1100g, 1320g