



**Model:D520M/7DDP  
Differential Pressure Switches**

The sensor is diaphragm-type. The switches can be suitable for neutral oil, gas and water media. The Set Point is adjustable, and the adjustable range is from 0.2 to 25KPa, the working pressure range is from 0 to 0.16MPa.



**Main Technical Performance**

Working viscosity:  $<1 \times 10^{-3} \text{ m}^2/\text{S}$

Life time:  $10^5$  cycles (AC 200V 6A Resistance)

Vibrations:  $10 \text{ m/s}^2$

Explosion Class: IP54

Electrical rating:  $V_{\text{max}}=380\text{V AC}$   $I_{\text{max}}=6\text{A}$  (Resistance)  
 $P_{\text{max}}=600\text{V A}$

Ambient temperature:  $-10^\circ\text{C} \sim +55^\circ\text{C}$

Fluid temperature:  $0 \sim +90^\circ\text{C}$

Repeatability:  $\leq 1.5\%$

**Features**

Three-diaphragm structure, high work pressure, stable value of settingset

**Specifications**

- Switching pressure difference not adjustable

Adjustable Range KPa	Switching pressure difference		Working pressure range *1 KPa	Number of switching cycles (1/min)	Pressure sensor materials		Connection (female threaded)	Total weight Kg	Cat. No.
	Lower range KPa	Upper range KPa			housing	diaphragm			
0... 0.4	0.12	0.15	160	10	Aluminum	NBR	G1/4 "	1.5	0818200
0.2... 2.5	0.15	0.25							0818300
0.6... 6	0.3	0.4							0818500
1.6... 16	0.3	0.6							0818700
2.5... 25	0.3	0.7							0818800

Remark: \* ) High-pressure port medium pressure range. \*\* ) Even short pressure peaks must not exceed this value during actual operation (max. value=max. testing pressure).

**Setting of the switching points**

**Accessories**

Optional accessories available for ordering Cat.No.: 0574767, 0574773, 0574771



Switch selection and mounting instructions

Selected controller, it is best to use pre-set value in the controller settings.

The middle part of the adjustment range, (usually 20% ~ 80% of adjustable range).

If the controller is set up outdoor, it should be pretended from dramatic changes in ambient temperature, the sun's radiation, corrosive gases or water infiltration.

For the peak pressure and pulse pressure controlled liquid medium, the controller interface can be installed on a pressure shock damper to eliminate the adverse effects.

Off-current can not exceed the rating.

Install (or demolition) controller to pay attention to: Screwed pipe joints within a depth of no more than 12mm sensor.

Outline overall and installing dimensions (units:mm)

