Model: D500/6DD
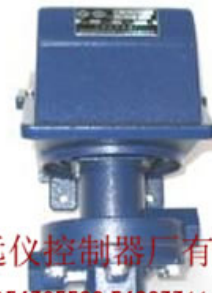# Multi-valued Differential Pressure
Switches(setting values 1 to 3)

Suitable for gas, liquid medium, and setting
adjustable range is from 0.002 to 0.7MPa.

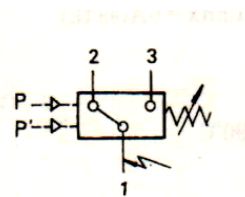上海远仪控制器厂有限公司
Tel: (021)56325599 56983311 69927271
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SPDT Switching process:

Terminals 1-3:switching
element switch-on when
pressure rises to
increasing set point
Terminals 1-2:switching
element switch-off when
pressure rises to
increasing set point

☐ Main Technical Performance

Working viscosity:	$<1 \times 10-3 \mathrm{m}^2/\mathrm{s}$
Switching Elements：	Micro switch group1to3
Explosion Class:	IP65
Ambient temperature:	$-10℃~+55℃$
Vibrations:	$10\mathrm{m/s}^2$
Repeatability:	$\leqslant 2\%$
Electrical rating:	Vmax=380VAC　Imax=6A(Resistance) Pmax=600VA
Fluid temperature：	$-10℃~+90℃$

☐ Features
Switch value of group 1 to 3 micro-switches can be set separately

☐ Specifications

Adjustable Range MPa（KPa）	Switching pressure difference KPa	Max allowable pressure MPa	Number of switching cycles (1/min)	Pressure sensor materials		Connection(female threaded)	Total weight Kg	Cat.No.		
				housing	Sensor element			Setting one	Setting two	Setting three
(2-20)	1.8	1.5	10	ZL104 Aluminum	NBR diaphragm	G1/4″	2.0	53000711	53000721	53000731
0.02-0.1	6							53000712	53000722	53000732
0.03-0.25	7							53000713	53000723	53000733
0.07-0.7	12							53000714	53000724	53000734

Even short pressure peaks must not exceed this value during actual operation(max.value=max.testing pressure).
In order to achieve best results,consumers should adjust before using.

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).
Technical performance is according to the company standard Q/YXBM846-2002.
Remark:If switches of two group setting values or above, please show on the contract.

☐ Switch selection and mounting instructions

Example

Use the differential pressure switch of the setting range is from 0.02 to 0.1MPa. Use the group micro-switch. Fall the pressure to 0.05MPa(the next switch value) to a contact single, the other group micro-switch pressure increase 0.09MPa(upper switching point)
1. The sensor plane with the wrench gripping part of the pressure checker source of pressure controller, high-pressure screw-threaded joint cavity.
2. Open the casing, the cable through the cable interface to access terminal boards, cables to connect the other end of the second group of lights.
3. The pressure is increased to 0.05MPa, this value can be read out from the standard gauge. And then set the value of adjustment screw counterclockwise rotation 1 (order of adjustment screw 1,2 arbitrary choice), so that setting into small, until the switch contacts in the switch 0.05MPa office. Then the pressure is increased to 0.09MPa, the same that this value can be read out from the standard gauge. Re-adjust screw clockwise to set the value of 2, so that settings from small to big, until the switch contacts in the switch 0.09MPa office. It should be noted: The second set value set will be the first one has been configured to set the value of a slight effect (especially when the second set value difference is large) and should therefore be a repeat of the first set value for fine-tuning to set the desired settings.
4. Check the pressure of the pressure regulator device, so that pressure 0 ~ 0.1MPa back and forth within the framework of change, when the pressure drop test, a group of contacts of the switch value is 0.05MPa and pressure rise, the value of another set of contacts of the switch whether 0.09MPa.
Note: If using three groups of micro-switches, respectively, set in three different control value, with the highest settings should be used 3 micro-switch (the middle of a group of micro-switch), its steps Ibid.

☐ Outline overall and installing dimensions（units:mm）