



Double Contact Differential Pressure Switches Model:D520/7DDZ

The sensor is bellow-type, the switches can be suitable for neutral gas or liquid medium. The Set Point is adjustable, and the adjustable range is from 0.02 to 1.6MPa.

Main Technical Performance

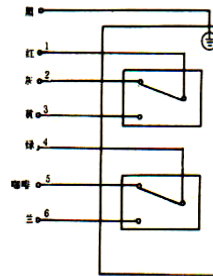
Suitable for air, gas, water, steam, refrigerant, oil media.

| | |
|------------------------|---|
| Working viscosity | <1X10 ⁻³ m ² /s |
| Switching Elements | Micro-switch |
| Explosion Class | IP54 |
| Ambient temperature | -30℃~+50℃ |
| Fluid temperature | 0~+120℃ |
| Mounting position | Vertical down (a slope of 15° is allowed) |
| Vibrations | Max20m/s ² |
| Repeatability | ≤1% |
| Synchronization error: | ≤0.5% |
| Electrical rating | AC 220V 6A(Resistance) 600VA |



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SPDT Switching process:



Terminals 1-3&4-6: 1-3&4-6 switch-on when pressure rises to increasing set point
Terminals 1-2&4-5: 1-2&4-5 switch-off when pressure rises to increasing set point

Specifications

● Switching pressure difference not adjustable

| Adjustable Range MPa | Switching pressure difference | | Working pressure range *1MPa | Max allowable pressure *2MPa | Number of switching cycles (1/min) | Pressure sensor materials | | Connection (female threaded) | Total weight Kg | Dimensional drawing No. | Cat. No. |
|----------------------|-------------------------------|-----------------|------------------------------|------------------------------|------------------------------------|---------------------------|--------------------------------------|------------------------------|-----------------|-------------------------|----------|
| | Lower range MPa | Upper range MPa | | | | housing | bellow | | | | |
| 0.02...0.1 | 0.018 | 0.024 | From 0.05 to 1.6 | 2 | 10 | brass | Stainless steel 00Cr17Ni14Mo2 (316L) | G1/4" | 1.6 | 01 | 0819108 |
| 0.02...0.16 | 0.018 | 0.026 | | 2 | 10 | | | | | | 0819208 |
| 0.025...0.25 | 0.026 | 0.03 | | 2 | 10 | | | | | | 0819308 |
| 0.03...0.4 | 0.03 | 0.04 | | 2 | 10 | | | | | | 0819408 |
| 0.05...0.6 | 0.09 | 0.11 | From 0.1 to 2.5 | 3 | 10 | | | G1/4" | 1.6 | 01 | 0819508 |
| 0.05...1 | 0.11 | 0.12 | | 3 | 10 | | | | | | 0819608 |
| 0.05...1.6 | 0.12 | 0.15 | | 3 | 10 | | | | | | 0819708 |

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 (same as the differential pressure switches)

Accessories

Optional accessories available for ordering Cat.No.: 0574722, 0574773



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 protected 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)

