



## Pressure Switches

### Model:YWK-150

The Sensor of Switch is stainless steel diaphragm type, it can be suitable for gas,air such neutral gas and hydraulic oil, light fuel, and other fluid medium. The Set Point of the Switch is adjustable, the adjustable range is from 0.1 MPa to 4Mpa.



#### Main Technical Performance

Vibrations:100m/s<sup>2</sup>

Pressure:150%

Usage life: 105 次

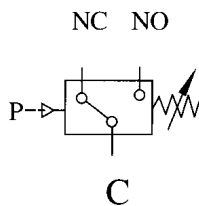
Fluid temperature:-25~+80°C

Working viscosity:<1 x 10<sup>-3</sup>m<sup>2</sup>/s

Ambient temperature:-25~+55°C

Electrical rating:AC 220V 3A(Resistance)

#### 接线图



单刀双掷微动开关作用过程:

接线端 C—NC:

压力下降至下切换值时接通。

接线端 C—NO:

压力下降至下切换值时断开。

#### Characteristic date

No.	Adjustable Range MPa	Switching pressure difference MPa	Setting error MPa	Repeatability error MPa	Notes
1	-0.1— 0	0.0065	-0.004 — +0.004	0.002	Charged medium has no corrosion effect on the brass, stainless steel and NBR
2	0 — 0.1	0.006	-0.004 — +0.004	0.002	
3	0 — 0.2	0.01	-0.008 — +0.008	0.004	
4	0 — 0.3	0.025	-0.012 — +0.012	0.006	
5	0 — 0.5	0.03	-0.02 — +0.02	0.01	
6	0 — 0.8	0.07	-0.032 — +0.032	0.016	
7	0 — 1	0.075	-0.04 — +0.04	0.02	
8	0 — 1.5	0.1	-0.06 — +0.06	0.03	
9	0 — 2	0.12	-0.08 — +0.08	0.04	
10	0 — 3	0.15	-0.12 — +0.12	0.06	
11	0 — 4	0.25	-0.16 — +0.16	0.08	

Note: The set value is the next value.



**Features:**

Ultra-small design

**Setting of the switching points:**

Use range spindle to set the upper or lower switching point on design with **fixed** switching pressure difference. The opposite one is determined by the fixed switching pressure difference.

On designs with adjustable switching pressure difference. Use range spindle to set the lower switching point, then use differential spindle to set the upper switching point by adding the desired switching pressure difference.

Turning the range spindle anticlockwise shifts both switching points upwards. Turning the differential spindle anticlockwise shifts only the upper switching point upwards, i.e. the switching pressure difference (distance between the upper and lower switching points) increases.

**Example :**

Desired : Lower switching point 0.36Mpa

Upper switching point 0.4MPa

(Switching pressure difference=0.04Mpa)

To set precise switching points a pressure gauge is required.(The pressure switch is a switching and regulating device and not a measuring instrument even if has a scale to assist in the setting.)

The setting can be changed at any time, even during operation.

Range and differential spindle are provided with a releasable detent; if desired, switch can also be leadsealed.

**Dimensional drawing Units: mm**

