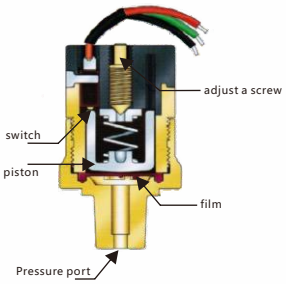
The selection is detailed on page 4

STD-200

Mechanical Pressure Switch

Working principle

The internal piston is connected with the precision spring. When the pressure changes, the spring expansion changes accordingly. When the pressure reaches the set value, the preset mechanical structure is triggered and the switching signal is issued.



Product description

The STD-200 screw-in pressure switch is available in diaphragm or piston versions and allows on-off control of the circuit according to pressure drop or rise.

This type of pressure switch is equipped with an adjusting screw, which allows the operator to easily adjust the switching value in the field. In addition, factory Settings for switching values can also be provided according to customer requirements.

The pressure switch is suitable for compressed air, neutral and self-lubricating liquids, and neutral gases. The pressure switch has a repeatability of up to ±2% and is available in an optional socket wrench mount version, ideal for Oems and small customers.

Functional characteristics

High repeatability

Compact design

Setting range: 0.085... -0.015MPa and 0.02... 0.2 MPa to 4... 40 MPa

High quality micro switches are used to achieve long service life

Can be installed using socket wrench

Product application

Hydraulic and flow hydraulics

Pneumatic device

Plastic injection molding machinery

General machinery manufacturing and plant construction

Available media: compressed air, neutral and self-lubricating liquids, and neutral gases

✆ 400-860-9760

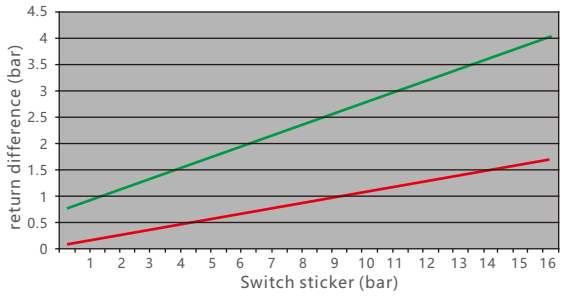
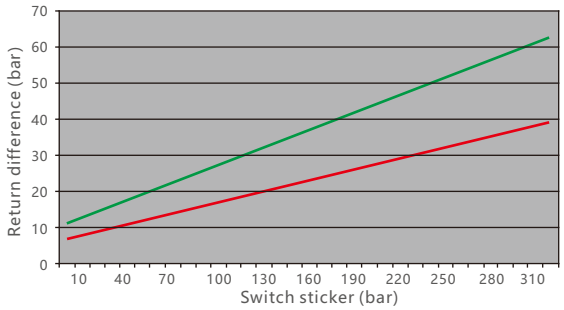
For more product information, please visit www.ludwig-schneider.com.cn

LUDWIG INSTRUMENT

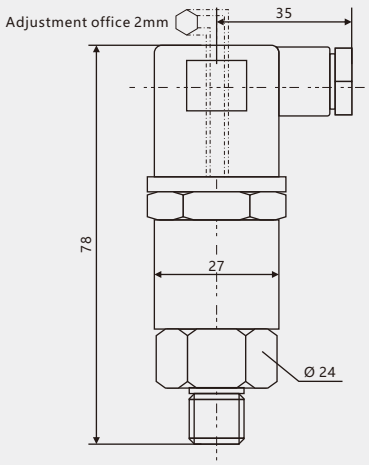
Size mm

measuring range	See selection table.
sluggish	10-20% set value (25%-35%, 1%-5% optional)
output	Normally open+normally closed
	≤DC 42V,1A
	≤DC 115V,0.15A
	≤AC 42V,3A
	≤AC 125V,3A
	≤AC 250V,0.5A
error	3% set value
medium temperature	-20-85℃（-40-160℃）
Protection protection	IP65
Connection mode	Terminal connection
material	Diaphragm: NBR
	Piston: steel piston with NBR seal
	Process connection: galvanized steel/stainless steel
	Shell: engineering plastic

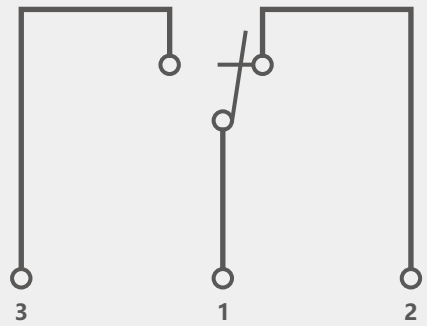
Setting range, maximum working pressure, measuring principle and return error

Setting range (MPa)	peak working pressure(MPa)	Measuring principle	return difference
0,0.2...0.2	6	diaphragm type	 Example: When the switching point is 0.4MPa, the settable back error range is 0.05 MPa (minimum) to 0.15 MPa (maximum).
0,0.5...0.8			
0.1...1.6			
1...3	35	piston	 Example: When the switching point is 10 MPa, the settable back error range is 1.8. MPa (minimum) to 2.8 MPa (maximum).
1...8			
1...16			
2...25			
3...32			
4...40	42		

Sizemm

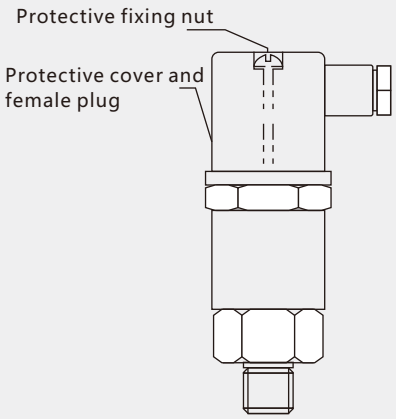


Wiring diagram

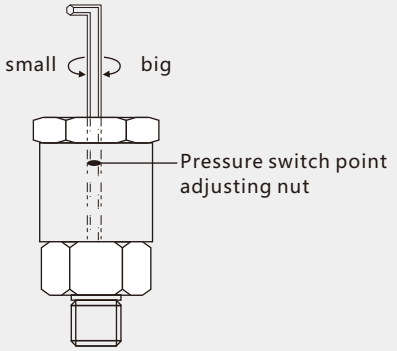


Adjustment mode

Step 1: Loosen the retaining nut of the protective cover with a screwdriver and remove the protective cover and the female plug (do not rotate the hessman connector left and right when removing it, so as not to break the internal circuit).



Step 2: Adjust the pressure switch point with the screwdriver as shown in the above figure, increase it clockwise and decrease it counterclockwise.



STD200-Selection composition

Selection example **STD200** A / H / E / O / U / X / I (1 2 3 4 5 6 7)

1.Measuring range(bar)	A	0.2...2.5
	B	0.8...5
	C	1...12
	D	5...50
	E	10...100
	F	20...200
	G	50...400
2.Interface material	H	Diaphragm type
	I	Piston type
3.Error	E	3%
4.Fixed hysteresis (factory set)	N	10% set value
	O	20% set value
	P	25% set value
	Q	35% set value
	R	1% set value
	S	5% set value
5.Contact signal	U	Normally open
	V	Normal close
6.Process connection	X	G1/4
	Y	G1/8
	Z	1/4NPT
	A	1/8NPT
	B	M12*1.5
	C	M14*1.5
	D	M20*1.5
	T( )	Other specifications
7.Material	G	copper
	H	steel
	I	304SS
	J	316L
	T( )	Other materials

Instructions:

It means that the measuring range of STD-200 pressure switch is 0.2...2.5bar, the interface is thin film type, the error is 3%, the fixed hysteresis is 20% of the set value, the contact signal is always open, and the threaded interface G1/4 is made of 304 stainless steel.

Product Certification

Compliance and approval; Rodeweig pressure transmitters meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;