

PW119 Mechanical Pressure Switch
MAIN FEATURES

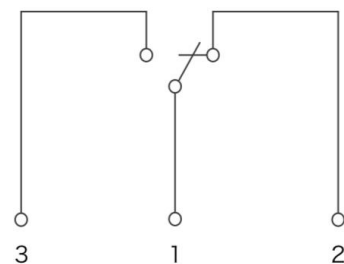
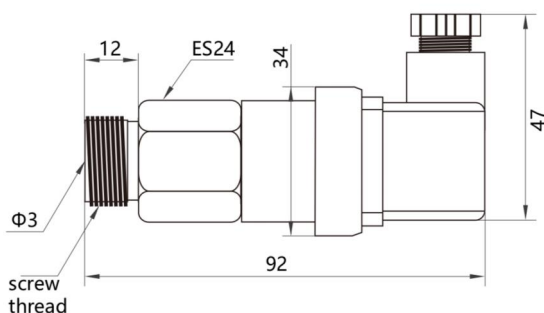
- Compact structure, DN standard plug, extremely convenient wiring,
- Wide measuring range (0-400bar).
- High overload capacity (up to 1230bar), high repeatability
- With normally open or normally closed contacts, contacts gold-plated, contact capacity.
- Can be used for water, oil, gas pressure measurement.


PRINCIPLE STRUCTURE

The inner piston is connected with the precision spring. When the pressure changes, the spring extension and shrinkage will change correspondingly. When the pressure reaches the set value, the preset mechanical structure will be triggered and a switch signal will be sent.

SPECIFICATION

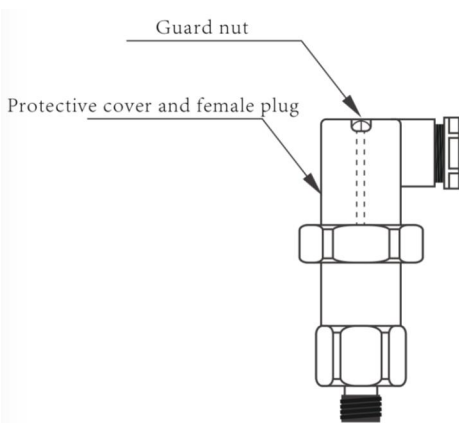
Range	See the following table for details
Lag	10~20% set value (25-35%, 1-5% optional)
Error	3% set
Output	Normally open+normally closed contacts gold-plated \leq DC 42V, 1A, \leq DC 115V, 0.15V, \leq DC 42V, 3A, \leq DC 125V, 3A, \leq DC250V, 0.5A
Medium temperature	-20~85°C (-40~160°C optional)
Protection level	IP65
Wiring mode	Terminal wiring
Cardiac material	Iris: NBR
Piston	Steel piston with NBR seal
Process connection	Galvanized steel/stainless steel
Enclosure	Engineering plastic

SIZE & WIRING


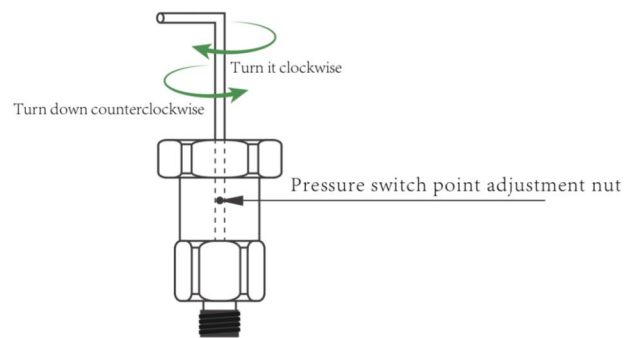
PARAMETER TABLE

Interface material	Max. Allowable pressure (bar)	Setting range(bar)	Error	Fixed hysteresis	Weight
Film type	300	0.2~2.5	3% set point	15~25% set point	0.1kg
	300	0.8~5.0			
	300	1~12			
	300	5~50			
Piston type	600	10~100			
	600	20~200			
	600	50~400			

ACCOMMODATION MODE



Step 1: loosen the nut of the cover with a screwdriver and remove the cover and the female plug (do not rotate the herman connector left or right when taking it off to avoid damage to the internal wiring)



Step 2: adjust the pressure switch point size with a screwdriver according to the figure above. Make it bigger clockwise and smaller counterclockwise.

ORDER CODE

PW119	Range	Material	Thread size
-	0-400Bar	L= Galvanized steel	G12=G1/2
		S= Stainless steel 304	G14=G1/4
			N14=NPT1/4
			M20=M20*1.5
			More customized