

## WM12010 Compact Pressure Switch



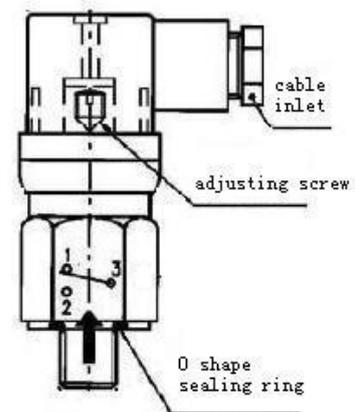
WM12010 compact pressure switch is a kind of small structure and flexible use type with snap action micro switches which can be used in a wide range of hydraulic and pneumatic applications. Their proven piston/diaphragm design offers outstanding accuracy over a very wide pressure range with an outstanding 6000 psi proof pressure. Their modular construction allows gems to offer a large number of standard pressure fittings in two materials as well as numerous electrical ratings and terminations. Users can easily configure this model to meet their needs. In WM12010 pressure switch, the built-in piston is attached to a precision spring, and the expansion of spring expands varies as the pressure changes. When the pressure reaches the set point, the product triggers the preset mechanical structure and sends a switch signal. The output of WM12010 pressure switch is normally open and normally closed (SPDT).

### Features

- Compact structure
- DIN standard plug, convenient wiring
- Wide range of measurements (optional within 0-40MPa)
- Excellent repeatability
- Normally open and normally closed (SPDT) output
- Gold-plated contact and high contact rating
- Pressure control for water, oil, and air pressure

### Parameters

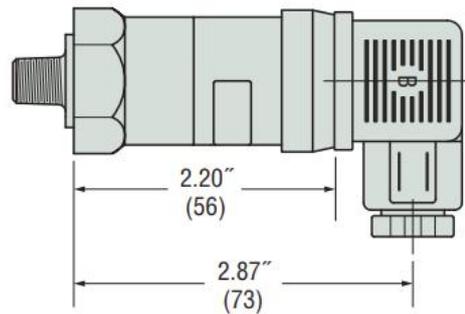
- Hysteresis: 20%-30%
- Accuracy: 3% set point
- Output: normally open + normally closed, gold-plated contact
- Contact rating: AC24V,3A; AC125V,1A; AC250V,0.5A
- Working temperature: -20~85°C (-40~160°C optional)
- Protection level: IP65
- Material: diaphragm: NBR
- Piston: stainless steel piston with NBR seal
- Process connections: stainless steel
- Weight: 0.15kg



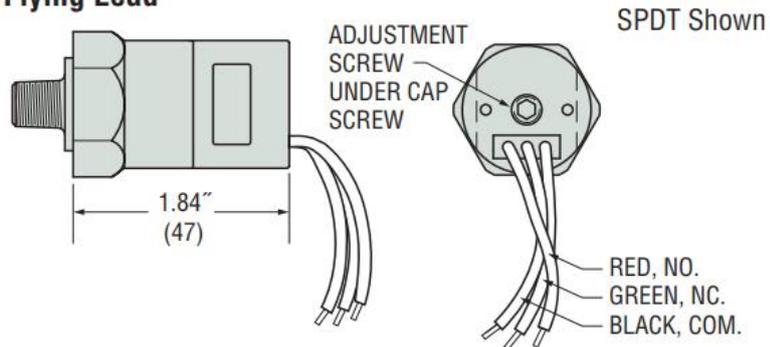
Model	Overload (bar)	Range of adjustment (bar)
WM12010-02.5M	25	0.2-2.5
WM12010-005M	25	0.8-5.0
WM12010-012M	25	1-12
WM12010-050S	200	5-50
WM12010-100S	300	10-100
WM12010-200S	300	20-200
WM12010-400S	500	50-400

**Dimensions**

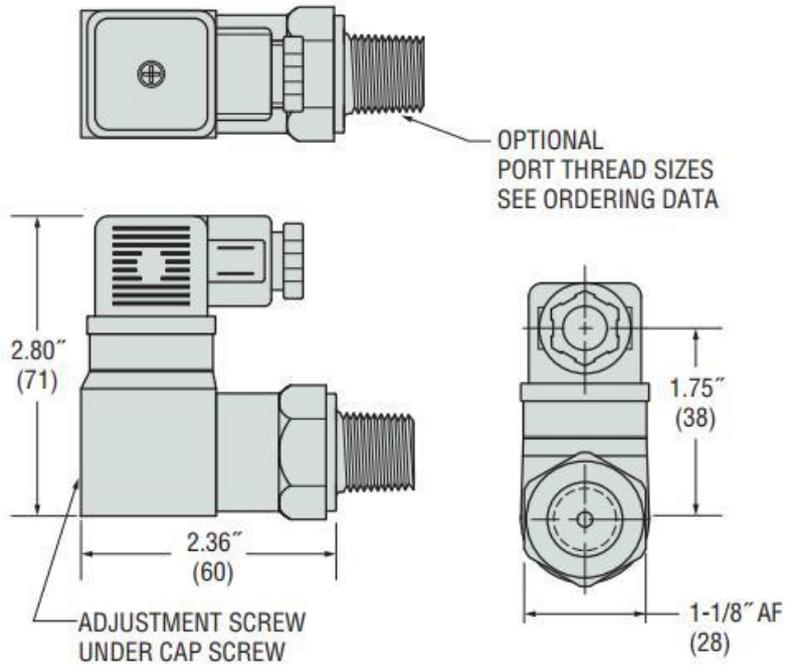
**DIN 43650A with Cable Clamp**



**Flying Lead**



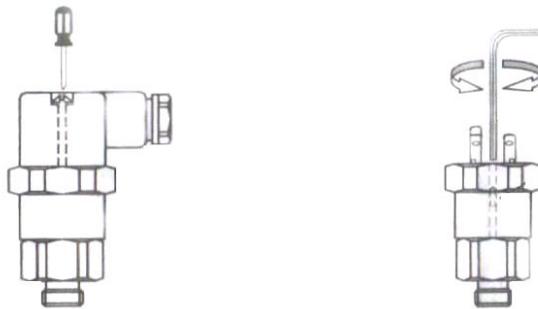
**Right Angle DIN 43650A with Cable Clamp**



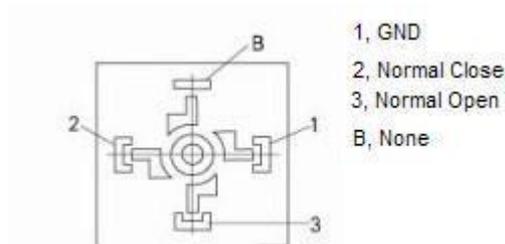
**Pressure Point Adjustment**

1st step, Unscrew the nut in the middle of the Hersman with a screwdriver and pull off the Hersman joint.

2ed step, Adjust the pressure setting point with a small wrench. Set the point up clockwise and set the point down counterclockwise.



**WIRING**



**ORDERING CODES**

WM12010	Compact Pressure Switch	
-	Pressure range	02.5M: 0.2-2.5bar

		005M: 0.8-5.0bar 012M: 1-12bar 050S: 5-50bar 100S: 10-100bar 200S: 20-200bar 400S: 50-400bar
-	Material of Thread	-S4: 304 Stainless Steel -S6: 316 Stainless Steel
-T	Temperature	1: Normal 2: High Temperature ( $\geq 110^{\circ}\text{C}$ )
-C	Installment type	1: thread 4: customer specified
-	Size of installment	e.g. for A1, -1/2BSP or -M20*1.5 etc.;
-	Appearance Type	A: Normal AS: Right Angle DIN