



**Product model:** HPM560J intelligent pressure switch

**Manufacturer:** Nanjing Hangjia Electronic Technology Co., LTD

**Product category:** pressure switch

**Application:** hydropower, petroleum, chemical, machinery, hydraulic and other industries

## Overview

HPM560J intelligent pressure switch uses a silicon piezoresistive sensor with an isolation diaphragm as pressure element and equips a dedicated signal conditioning circuit and with site display. It can output one-way analog value and two-way relay switching values. This product integrates pressure measurement, display, output, and control. It is flexible to use, simple to operate, safe and reliable. And widely used in hydropower, petroleum, chemical industry, machinery, and hydraulic industries.

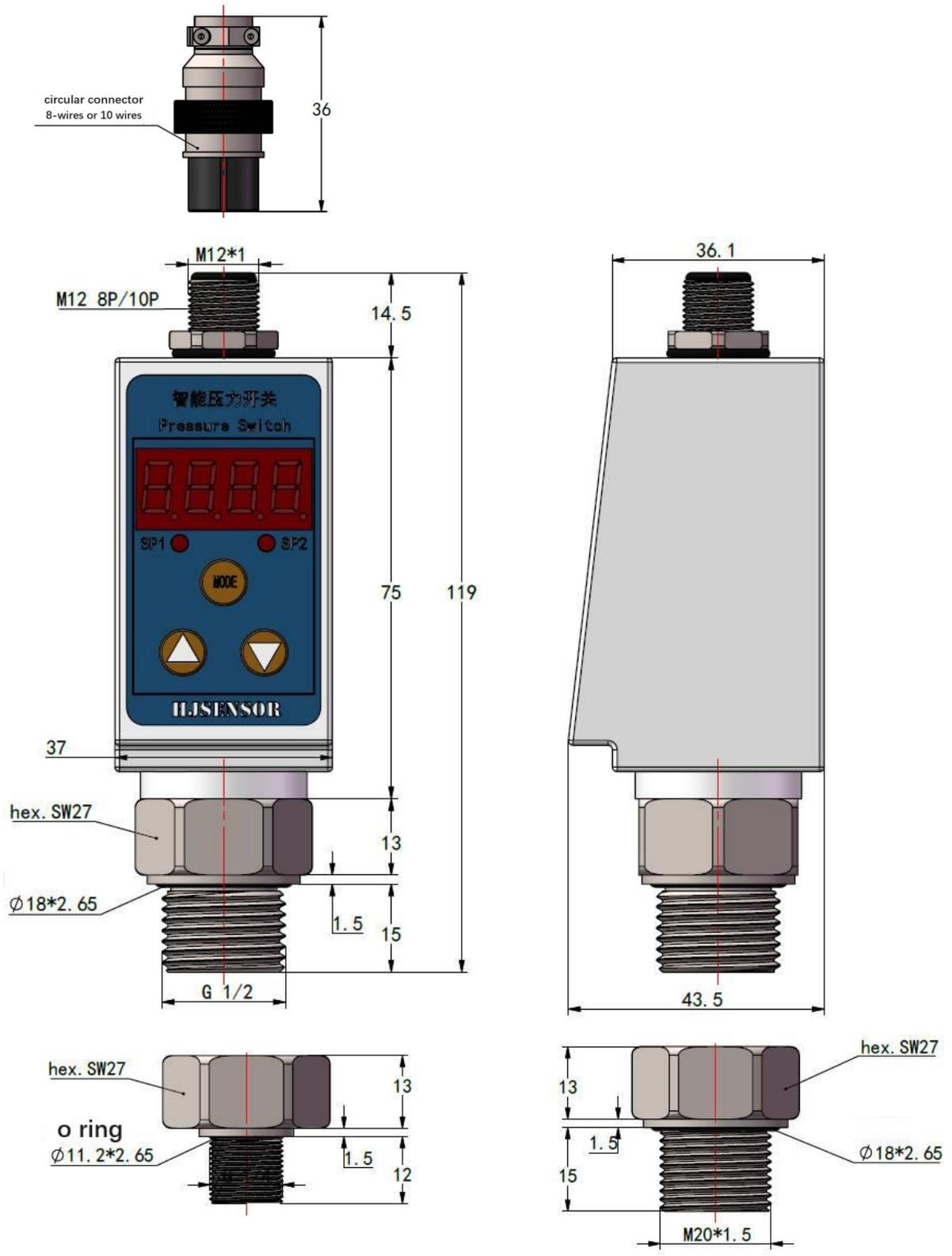
## Features

- 4-bit LED field display.
- Switching value can be set between zero point and full scale as needed.
- The shell is equipped with node action LEDs for easy observation.
- Button adjustment and on-site setting of various parameters, easy to operate.
- Two control point relay outputs
- Analog output 4-20mA

## Technical Parameters

Measuring Range	-100kPa...0~0.01...60MPa	Accuracy Grade	≤±0.5%FS
Overload	200%	Pressure type	Gauge
Stability	≤0.5% /year	Power supply	24VDC
Switch type	Relay	Load capacity	3A 220VAC or 3A 24VDC
Display	0.56" digit tube	Display range	-1999~9999
Response time	<30ms	Temperature range	-20℃~70℃
Relative humidity	≤80%RH	Interface material	304 Stainless Steel

Structure Drawings (Unit: mm)



## Electrical Connection

### 8-wires

Power Supply	Red V+    Yellow GND
Two relays	Blue ON1    Green COM1    Grey ON2    Brown COM2
(4~20)mA	White mA-    Orange mA+

### 10-wires

Power Supply	Red V+    Yellow GND
Two relays	Blue ON1    Black COM1    Green OC1    Brown ON2    Purple COM2    Grey OC2
(4~20)mA	White mA+    Orange mA-

## Ordering Guide

Code	Type					
HPM560J	Intelligent Pressure Switch					
	Range	Measuring Range				
	(0 ~ X)kPa	X is the range				
		Code	Output signal			
		B1	(4 ~ 20)mA			
		B9	Relay			
		Code	Process Connection			
		P1	M20×1.5			
		P4	G1/2			
		P18	G1/4 female			
		Code	Electronical Connection			
		C3	Circular Connector			
		C5	M12×1			
		Code	Housing Material			
			Diaphragm	Pressure Interface	Shell	
		M1	316L	SS	cast aluminum	
		M1A	316L	316L	cast aluminum	
		M2	Ti	Ti	cast aluminum	
		M3	Tantalum	Customized	cast aluminum	
		M4	C276	Customized	cast aluminum	
		Code	Others			
		G	Gauge (Default)			
		Kn	Pressure control points,n=1~2			
		T	High temperature media			
		W	Waterproof and breathable			
HPM560J	(0~600)kPa	B1 B9	P18	C3	M1	G K2 T

### Tips:

1. When ordering products controlled by pressure points, please specify the number of pressure points, the pressure value controlled, and the normally open or normally closed switching points
2. If select B1 and B9 at the same time, please select C3 (eight-core or ten-core circular connector) for the outlet method.
3. For other special requirements, please contact us and indicate in the order.