



Product model: HPM560 intelligent pressure switch

Manufacturer: Nanjing Hangjia Electronic Technology Co., LTD

Product category: pressure switch

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

Overview

HPM560 Intelligent pressure switch is all electronic structure and adopts silicon piezoresistive pressure sensor with isolation diaphragm at the front end. This product is processed through specialized signal processing circuit, with field display, can output IAO and 2DI. It combines pressure measurement, display, output and control together. With the flexibility, easy operation, safety and reliability, this intelligent digital pressure controller can be widely used in hydropower, petroleum, chemical, machinery, hydraulic and other industries.

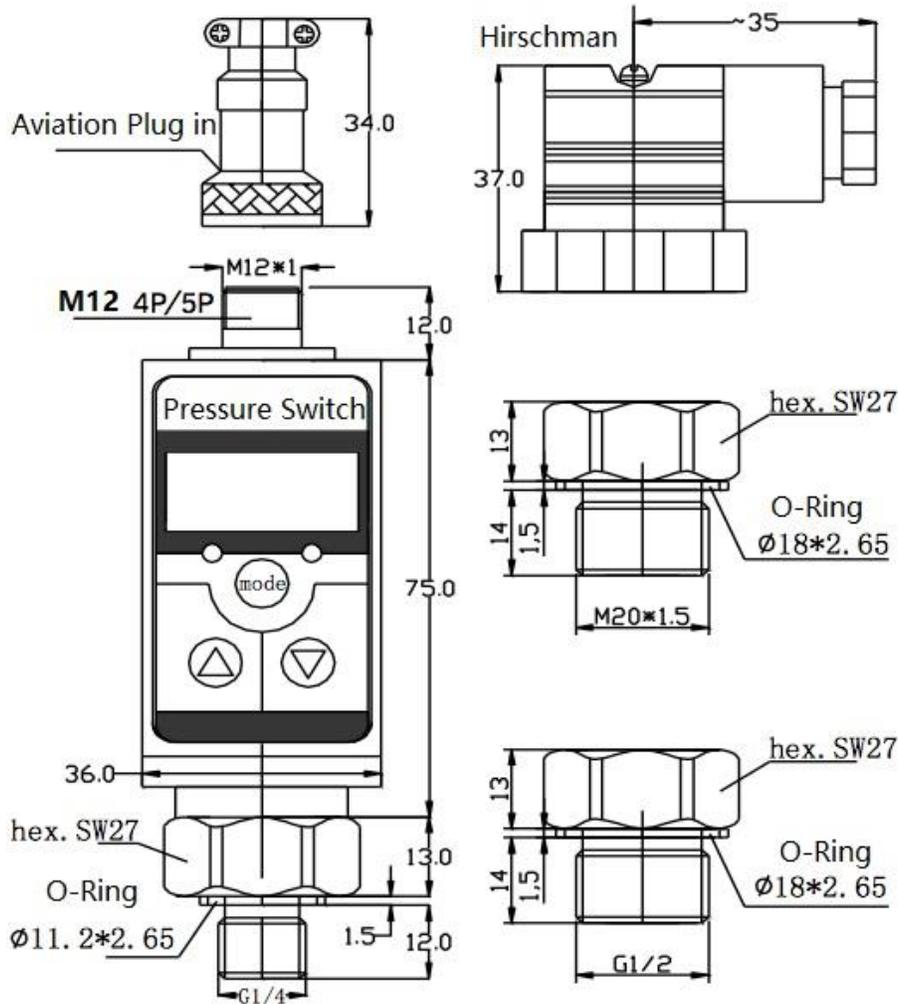
Features

- 4 bit LED field display.
- Pressure preset switching point and delay exchange output
- Switching value can be set arbitrarily from zero scale to full scale
- Shell with action nodes light emitting diode, easy to observe
- Key adjustable and field setting various parameters, easy to operate
- Two-way electronic switching output with load capacity 1.2A
- Analog output 4-20mA

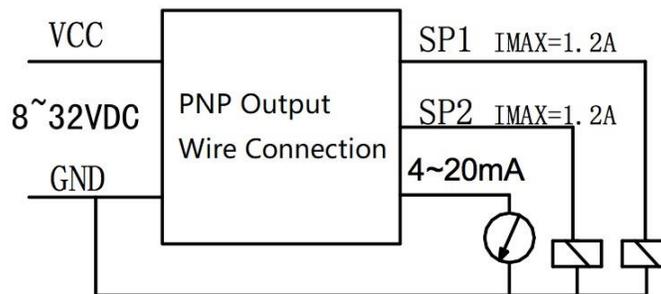
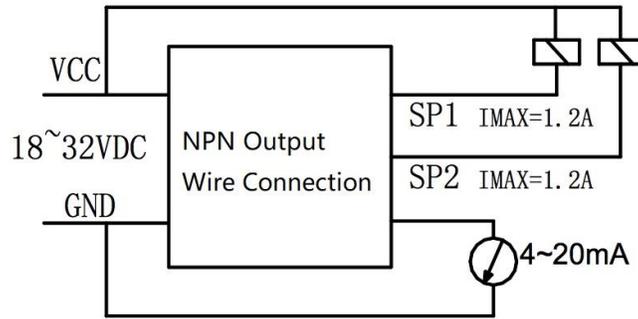
Technical Parameters

Measuring Range	-100kPa...0~0.01...60MPa	Accuracy Grade	≤±0.5%FS
Stability	≤0.2% /year	Temperature Drift	±0.02%FS/°C
Display Mode	4 bit Nixie tube	Display Range	-1999~9999
Power Voltage	24VDC	Current Consumption	<60mA
load capacity	<24V1.2A	Switch Type	PNP/NPN
Respond Time	<4ms	Switch life	>1 million times
Ingress Protection	IP65	Medium Temperature	-25~80°C
Ambient Temperature	-25~0°C	Storage Temperature	-40~100°C
vibration resistance	10g/0~500Hz	impact resistance	50g/1ms
Weight	0.3kg	Interface material	304 Stainless Steel

Structure Drawings



Electrical Connection



Hirschman	M12*1 -4P	Plug In-5P	M12*1 -5P
1:VCC	1:VCC (Brown)	1:VCC (Red)	1:VCC (Brown)
2:GND	2:SP2 (White)	2:GND (Yellow)	2:SP2 (White)
3:4~20mA	3:GND (Blue)	3:SP1 (Blue)	3:GND (Blue)
	4:SP1 (Black)	4:SP2 (Green)	4:SP1 (Black)
		5:4~20mA(Grey)	5:4~20mA(Grey)

Ordering Guide

Item NO.	Type					
HPM560	Intelligent pressure switch					
	Pressure Range	Measuring Range				
	(0~X)kPa	Fill out X directly				
		Code	Output Signal			
		B1	(4~20)mA			
		B10	Transistor Output NPN			
		B11	Transistor Output PNP			
			Code	Thread Spec		
			P1	M20x1.5		
			P4	G1/2		
				Code	Electrical Connection	
				C1	DIN43650	
				C3	Aviation Plug	
				C5	M12*1	
					Code	Structure&Material
						Diaphragm Interface Shell
					M1	316L 316L Stainless Steel
					M2	316L 316L 316L
					M3	Tantalum Hasteloy 316L
					M4	Titanium Titanium 316L
					Code	Additional Functions
					G	Gauge Pressure (Default)
					Kn	Numbers of Pressure Control
					T	High-temperature Resistance
					W	Water-proof and Ventilated t
HPM560	(0~400)kPa	B1 B11	P4	C2	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, output signal B10,B11 can only choose one type, B1 can be selected at the same time
3. For other special requirements, please contact us and indicate in the order.