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SPK01-Pressure Switch

Features

- 4 digits display the current pressure value , pressure preset switch point and delay switch output .
- Switch signal can be set it randomly between zero and full scale . The housing have LEB with node action.
- Easy to observing key-press calibration and the parameter's setting in field . Convenient operation . The overload capacity is 1.2A for 2 channels switch signal output .
- Analog output (4-20Ma), the measurement range :0-600bar (Option)

Introduction

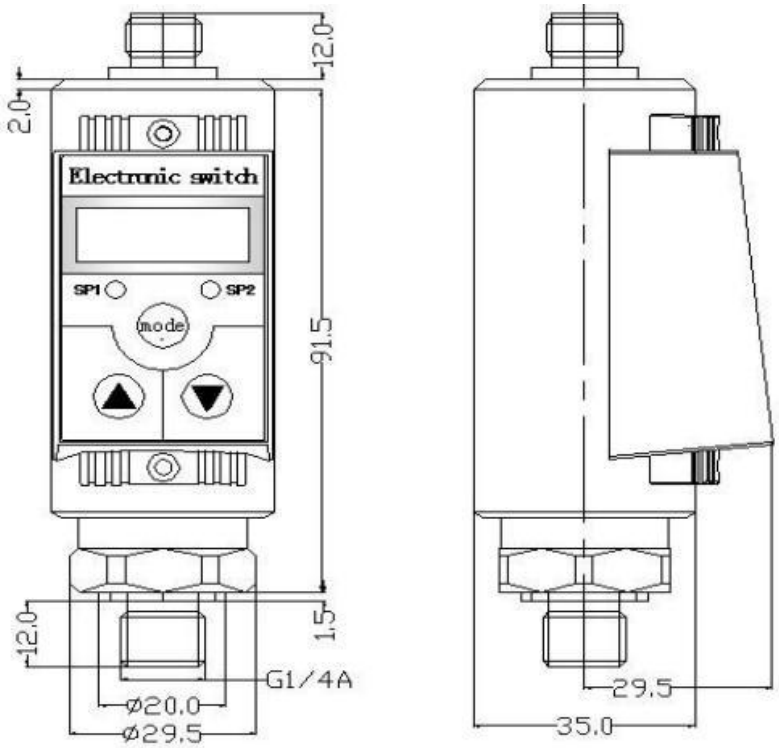
SPK01-pressure switch is a kind of intelligent digital pressure control products. It integrate pressure measurement , LED display and control. It is complete electronic structure , the former adopt pressure sensor which is diaphragm ,oil fulfill and piezoresistive type.

Application:Measure the gas and liquid . Suit for pump control , tank monitoring ,level control ,filter plug, monitoring ,leakage monitoring . Also it widely used in hydraulic and pneumatic situation ,like mechanical facility and process control .

Specification

- Control range: -0.1~0~100Mpa
- Stability ≤ 0.2% / year
- Display 4-digit LED display
- Power supply range 24V ± 20%
- Load capacity <24V1.2A
- Protection class IP65
- Ambient temperature -30 ℃ ~ 70 ℃
- Storage temperature -40 ℃ ~ 85 ℃
- Control accuracy ≤ ± 0.5% FS
- Display accuracy 0 to 80%
- The display range is -1999 to 9999
- Maximum power consumption <3W
- Relative humidity ± 0.1% FS

Outline Dimension

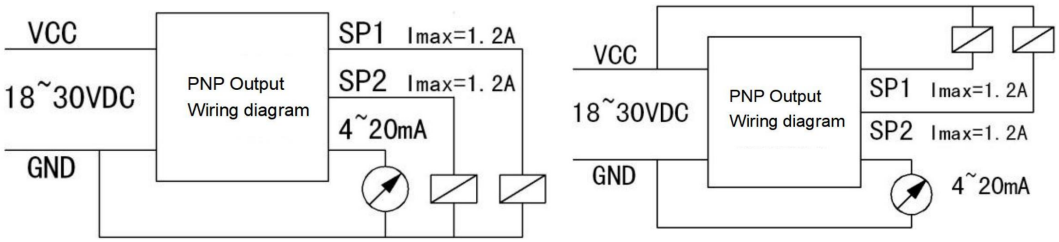


Install

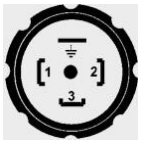
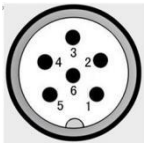
1:Mechanical connection

It can be directly installed on the hydraulic pipe through the pressure pipe joint (din3582 external thread G1 / 4) (other size joints can be described when ordering). In key applications (such as severe vibration or impact), the pressure pipe joint can be mechanically decoupled through micro hose.

2:Electrical connection



QYK300S	QYK300M	QYK300A1	QYK300R
Hirschmann	M12*1 -4P	M12*1 -5P	Circular

			Connector
			
1:VCC	1:VCC (Brown)	1:VCC (Brown)	1:VCC (Red)
2:GND	2:SP2 (White)	2:SP2 (White)	2:GND (Yellow)
3:SP1	3:GND (Blue)	3:GND (Blue)	3:SP1 (Brown)
4:SP2	4:SP1 (Black)	4:SP1 (Black)	4:SP2 (Orange)
		5:4~20mA Grey	5:RS485A Blue
			6:RS485B Green

Order Information

SPK01	Pressure Switch							
	Range	Pressure range:−0.1…0～0.01…100MPa (-1…0~0.1…1000bar)						
	[0～X]kPa or MPa	X：the actual measured pressure						
		Code	Output signal					
		I	4～20mADC					
		P	2xPNP					
		N	2xNPN					
		R	RS485 modbus RTU					
			Code	Construction material				
				Diaphragm	Pressure port	Housing		
			22	SS 316L	SS304	Alluminum		
			24	SS 316L	SS 316L	Alluminum		
				Code	Others			
				B_1	DIN43650 connector			
				B_3	M12 connector			
				B_3	Cable exit			
				C_1	M20*1.5 male thread			
				C_2	G1/4 male thread			
				C_3	G1/2 male thread			
				G	Gauge			
				S	Sealed gauge			
				A	Absolute			

SPK01	[0～10bar]	IP	22	B_2C_2G	the whole spec