

Description

UPS2 electronic pressure switch is pressure measurement & control product with intelligent digital display, it is combined the functions of pressure measurement, display, output and control. This product is made with entire electronic structure, and built isolated-membrane pressure sensor in its front end. Its output signal is amplified through high accuracy & low temperature swift amplifier, then is input high accuracy A/D converter, and processed by microprocessor, the processed signal controls two-way switch, to realize the pressure measurement and control for systems.

The use of UPS2 electronic pressure switch is very flexible. UPS2's operation and adjustment is simple and easy, meanwhile, this product also has good reliability and safety.

UPS2 is widely used in water and electricity industry, petroleum industry, chemical industry, machinery industry etc, for the pressure measurement and control of many kinds of fluids.

Features

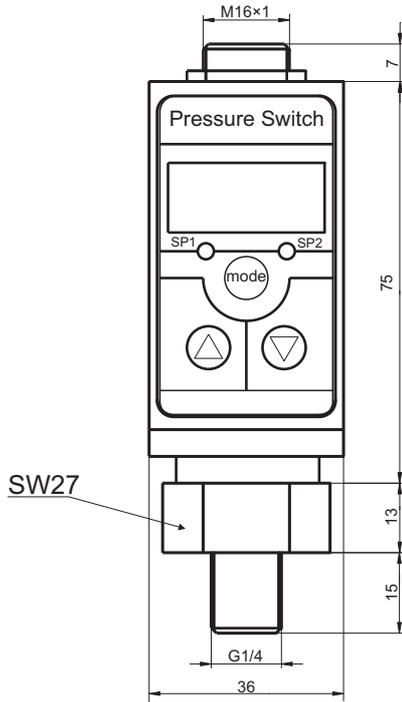
- 4 digit LED Switch value can be set from zero to full scale freely.
- The outer case is equipped with light emitting diode (LED), is easy for observing operation
- Operation is easy; the pressed key is for adjustment and parameters setting on the spot
- Two-way switch output, 1.2A loading capacity
- 4~20mA analog output (optional)



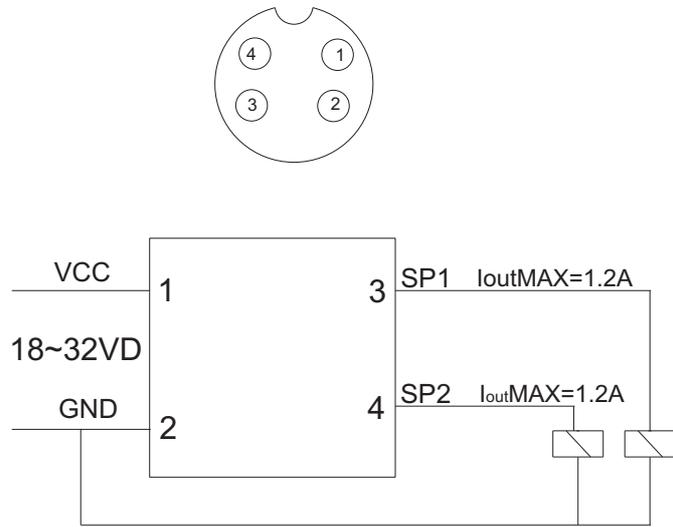
Specifications

pressure medium	gas or liquid compatible with stainless steel
pressure ranges	0~1bar...600bar
overload pressure	150%FS
output signal	4~20mA(option)
control accuracy	0.5%FS(standard)
display accuracy	0.1%FS
long-term stability	<0.2%FS/year
supply voltage	18~32V DC
ambient temperature range	-30~+70°C
media temperature range	-40~+85°C
storage temperature range	-20~100°C
service life of switch	>1million times
power consumption	<3W
load capacity	<24V, 1. 2A
process connection	G1/4 or others
electrical connection	aviation connector or others
material of wetted part	1Cr18Ni9Ti
relative humidity	0~80%
protection	IP65

Dimensions



Electrical connection



Ordering code

UPS2					
UPS2	range	measuring range: 0~1bar...600bar			
	(0~X)bar	X: the max. measuring pressure			
		code	pressure type		
		G	gauge		
		A	absolute		
		S	sealed		
		D	differential		
			code	process connection	
			P1	G1/4	
			P3	1/4NPT	
		P4	M20×1.5		
		Pz	customer request		
			code	electrical connection	
			E1	hirschmann connector	
			E2	aviation connector	
			Ez	customer request	
UPS2	(0~20)bar	G	P3	E2	

*: The pressure set-point and switch state of the two-way pressure switch can be set at any range, suggesting to set the pressure within 10%~100%, so as to assure the working stability of control point.

** : NPN type and PNT type output control mode are two working patterns: normal open and normal close respectively.