



THEORY, STRUCTURE

KAP30 Series Intelligent Switch is a intelligent digital display pressure measurement control product which integrate pressure measurement,LED display output and control .This product is full electronic structure,its front end adopt piezoresistive pressure sensor with oil-filled isolating membrane.

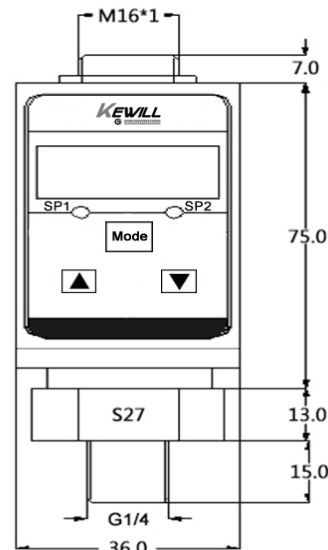
CHARACTERISTICS

Four digit display current pressure value,pressure preset switch point and arrearage change over ouput switch value can casuality set between zero point and full scale, the shell setted panel point action give out light,two-electrode tube convient for observe 、 adjust and set various parameters in scene, easy operation、 two-way switch value output with load ability1.2A,analog value output (4...20mA),measuring range: 0...600bar optional.

APPLICATIONS

Gas-liquid dual purpose type,suitable for: pump control、 storage tank monitor、 liquid level control、 filter stoppage、 monitor、 leakage monitor.Also can widely be used in hydraulic and pneumatic: such as,mechanical equipment and process control.

DIMENSION



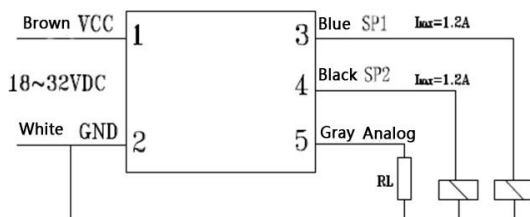
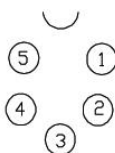
TECHNICAL DATA

- Display type: Four digital tube
- Display accuracy: ±0.1%FS
- Stability: ≤0.2%/year
- Control range: 0...600bar
- Display range: -1999~9999
- Source range: 24V±20%
- Max power rate: < 3W
- Load capacity: < 24V1.2A
- Medium temp.: -40℃~85℃
- Ambient temp.: -30℃~70℃
- Stor tage temp.: -40℃~85℃
- Relative humidity: 0~80%
- Switch lifetime: > 100ten thousand times
- Connection mode: Five core aviation plug
- Protection classic: IP65

INSTALLATION

KAP30 can through pressure tube joint (DIN3582 external thread G1/4) (please specify other joint size when ordering) , directly install on hydraulic pipeline.In critical application situation (such as,drastic vibration or shock) , the pressure tube joint can do mechanical decoupling by micro hose.

- 1 Brown:source+
- 2 White: source-
- 3 Blue:switch 1
- 4 Black: switch 2
- 5 Gray: 4~20mA



In order to prevent the influence of electromagnetic interference,should pay attention to the following items:

- Using shielded wire
- Reasonable wiring length

SELECTION TABLE

KAP30	-	P	1	G14	M	2A	Q	SPECIFICATION
KAP30								KAP30Series Intelligent Pressure Switch
		P						Positive pressure type
			1					Setting range: 0...1 bar
			2					Setting range: 0...2 bar
			5					Setting range: 0...5 bar
			10					Setting range: 0...10 bar
			25					Setting range: 0...25 bar
			60					Setting range: 0...60 bar
			100					Setting range: 0...100 bar
			160					Setting range: 0...160 bar
			250					Setting range: 0...250 bar
			400					Setting range: 0...400 bar
			600					Setting range: 0...600 bar
				G14				Interface thread G1/4
				G12				Interface thread G1/2
				M20				Interface thread M20X1.5
					M			Interface thread External thread
						1S		One-way switch value output
						2S		Two-way switch value output
						1A		4~20mA analog value output
						2A		One-way switch value + one-way
						3A		Two-way switch value + one-way analog value output
							Q	M12x1 connector

Note: Special process connection or electrical connection type can customize. 1bar=1.02kg/cm2=0.1Mpa