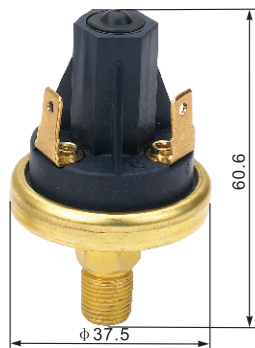


YM20 系列压力开关是专门设计用来承受持久负荷用途。此开关经工厂设定但可现场调节。其特点是具有能和各种液体兼容的Kapton（聚酰亚胺）膜片，包括 Metri-Pack(标准米制)连接器在内的各种密封接线端子的各种连接结构。其卓越的设计优点是结构耐久，体积小及设定点稳定。



罩盖A (CoverA)

### 技术参数

型号	YM20
介质	空气、机油、变速器油、喷气燃料及其他类似碳氢化合物；水
压力设定点	工厂设定从0.5PSI至150PSI
最大工作压力	对于0.5-24PSI设定点范围：150PSI 对于25-150PSI设定点范围：250PSI
耐压	500PSI
破裂压力	工作压力设定点在0.5-24PSI时：750PSI 工作压力设定点在25-150PSI时：1250PSI
温度范围	-40℃至+120℃
开关类型	直接动作簧片触点
电气性能	阻性负载：15AMP-6VDC 8AMP-12VDC 4AMP-24VDC 感性负载：1AMP-120VAC 0.5AMP-240VAC
端子	#8-32螺钉或1/4"插片
接口	1/8-27NPT外螺纹
材料	触点：镀金银合金 底座：黄铜 罩盖：玻璃纤维加强聚脂 膜片：聚酰亚胺膜片
可选项	电镀钢铁，塑料或不锈钢底座；各种底座连接器螺纹规格；引线（封装密封的）；特氟隆或EPDM膜片

单位换算：1Kgf/cm<sup>2</sup>=14.2PSI 1Bar=14.5PSI

### 订货编号

例如：YM20-411111-10PSI

注：聚酰亚胺膜片不适用于水，如客户需用于水，请与工厂联系。

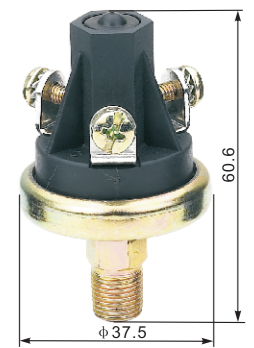
- 压力设置：10PSI
- 罩盖：罩盖A
- 接线端子：1/4直插端子
- 接口(外螺)：1/8NPT
- 底座材料：黄铜
- 电气回路：单刀单掷-常闭
- 压力设定范围：8-13PSI±2PSI

编号	压力设定范围	电气回路	底座材料	接口(外螺)	接线端子	罩盖
0	/	/	/	/	/	无罩盖
1	0.5-1PSI±0.3PSI	单刀单掷-常闭	黄铜	1/8NPT	1/4 直插端子	罩盖A
2	1.1-3PSI±0.5PSI	单刀单掷-常开	电镀铁	1/4NPT	#8-32螺丝	罩盖B
3	3.1-7PSI±1PSI	单刀双掷	不锈钢	R1/8	带接线	/
4	8-13PSI±2PSI	单刀单掷-常开(压差可调)	/	R1/4	/	/
5	14-24PSI±3PSI	单刀双掷(压差可调)	/	G1/8	/	/
6	25-50PS±5PSII	/	/	G1/4	/	/
7	51-90PSI±7PSI	/	/	/	/	/
8	91-150PSI±10PSI	/	/	/	/	/

尺寸单位：mm  
(Dimension in mm)



The YM20 pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set but capable of field adjustment. It features a Kapton diaphragm for compatibility with a wide variety of fluids, and various terminations including a Metri-Pack connector that forms a tight seal when connected. Among the outstanding design benefits are its durable construction, compact size, and enhanced set point integrity.



罩盖B (CoverB)

### Specification

Model	YM20
Media	Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media; water
Pressure Set Point	Factory set from 0.5 to 150PSI
Max Operating Pressure	150 PSI for 0.5-24 PSI set point range 250 PSI for 25-150 PSI set point range
Proof Pressure	500 PSI
Burst Pressure	750 PSI for 0.5-24PSI set point range 1250 PSI for 25-150 PSI set point range
Operating Temperature Range	-40°C to +120°C
Switch Type	Direct action, blade contact
Electric Rating	Resistive: 15AMP-6VDC 8AMP-12VDC 4AMP-24VDC Inductive: 1AMP-120VAC 0.5AMP-240VAC
Contact Arrangement	SPST-N.O./N.C., 1 circuit adjustable dual circuit, or 2 circuits adjustable dual circuit. Also available are N.O./N.O. dual circuit and N.C./N.C. dual circuit.
Terminals	#8-32 screws, 1/4" blade
Connection	1/8-27NPT Male
Material	Contact: Silver alloy, gold plated Base: Brass Cover: Glass reinforced polyester Diaphragm: Polyimide film
Options	Plated Steel, plastic or stainless steel base; various base connector thread sizes; wire leads (potted & sealed); Teflon or EPDM diaphragm

Conversion: 1Kgf/cm<sup>2</sup>=14.2PSI 1Bar=14.5PSI

### Order Ref No:

i.e.: YM20-411111-10PSI

The polyimide diaphragm is not suit for water, If customer is to use the pressure switch in water, please contact the factory.

- Pressure setting: 10PSI
- Cover: CoverA
- Terminals: 1/4 blade
- Connection (Male): 1/8NPT
- Base Material: Brass
- Circuitry: SPST-NC
- Pressure set point Range: 8-13PSI±2PSI

Number	Pressure set point Range	Circuitry	Base Material	Connection	Terminals	Cover
0	/	/	/	/	/	none
1	0.5-1PSI±0.3PSI	SPST-NC	Brass	1/8NPT	1/4 blade	coverA
2	1.1-3PSI±0.5PSI	SPST-NO	Plated steel	1/4NPT	#8-32 screws	coverB
3	3.1-7PSI±1PSI	SPDT-NO-C-NC	Stainless steel	R1/8	Wire leads	/
4	8-13PSI±2PSI	SPST-NO (Adjustable)	/	R1/4	/	/
5	14-24PSI±3PSI	SPDT-NO-C-NC (Adjustable)	/	G1/8	/	/
6	25-50PS±5PSII	/	/	G1/4	/	/
7	51-90PSI±7PSI	/	/	/	/	/
8	91-150PSI±10PSI	/	/	/	/	/

尺寸单位：mm  
(Dimension in mm)

