

PK Series Pressure Switch



ENGINEERING **YOUR** SUCCESS

PK Series Pressure Switch

The PK series pressure switch is designed for refrigeration and air conditioning system applications, for general or high-low control limit requirements.

Features

- Standard product for Freon, air, liquid and other non-corrosive media.
- Fluid media temperature allowance -40°C ~ 100°C.
- SPDT (Single Pole Double Throw) contact to ensure reliable conversion.
- Upgraded bellow design ensure extended cycle time.
- Standard international mounting bracket provided, and can be installed in any system position.
- Vibration and shock resistance.
- Compact design
- CE marked.

Specification – Single Pressure

Model	Pressure	Pressure Range (bar)		Pressure Diff. (bar)		Contact Reset Type	Factory Setting (bar)		Max Working Pressure (bar)
		Min.	Max.	Min.	Max.		Upper Setting Pressure	Lower Setting Pressure	
PK502	Low	0	2	0.4	0.7	Auto	1	0.5	16.5
PK503	Low	-0.5	3	1	1.5	Auto	2	1	16.5
PK506	Low	-0.5	6	1	4	Auto	3	2	16.5
PK506M	Low	-0.5	5	≤2(Fixed)		Manual	3	Manual Reset	16.5
PK110	Low	1	10	1	3	Auto	6	5	16.5
PK516	High	5	16	2	5	Auto	10	8	33
PK520	High	5	20	2	5	Auto	16	14	33
PK530D	High	5	30	5	10	Auto	20	15	33
PK530	High	8	30	4±1(Fixed)		Auto	20	15~17	33
PK530M	High	8	30	4±1(Fixed)		Manual	20	Manual Reset	33

*The reset pressure is set pressure minus differential

For example, PK520, the factory setting is 16bar, and the differential is 2bar as default, so the reset pressure is 14bar (16bar – 2bar = 14bar)

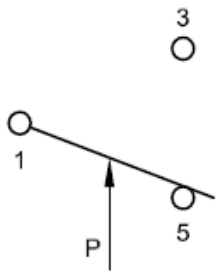
Specification – Dual Pressure

=Model	Pressure Side	Pressure Range (bar)		Pressure Diff. (bar)		Contact Reset Type	Factory Setting (bar)		Max Working Pressure (bar)
		Min.	Max.	Min.	Max.		Upper Setting Pressure	Lower Setting Pressure	
PK830	Low Side	-0.5	6	1	4	Auto	3	2	16.5
	High Side	8	30	4±1(Fixed)		Auto	20	15 ~17	33
PK830HM	Low Side	-0.5	6	1	4	Auto	3	2	16.5
	High Side	8	30	4±1(Fixed)		Manual	20	Manual	33
PK830HLM	Low Side	-0.5	5	≤2(Fixed)		Manual	3	Manual	16.5
	High Side	8	30	4±1(Fixed)		Manual	20	Manual	33

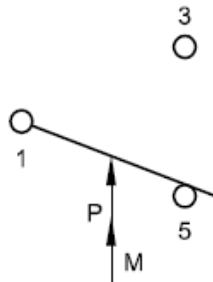
Note:

1. Pressure unit on the label is “Psig” & “Bar”, please contact us for other unit request.
2. Default IP41. IP44 product also can be ordered, please contact us before ordering.

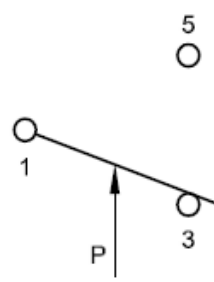
Contact System



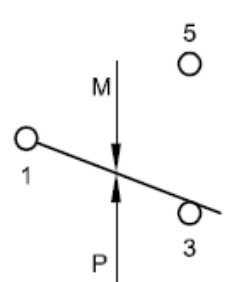
Pressure Rise
Auto Reset



Pressure Rise
Manual Reset



Pressure Rise
Auto Reset

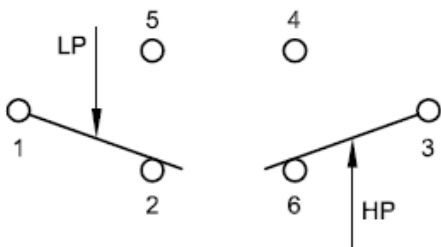


Pressure Rise
Manual Reset

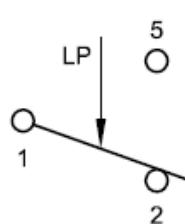
PK506M

PK530

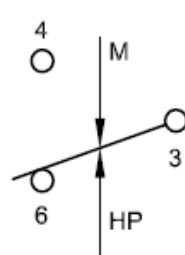
PK530M



PK830



PK830HM

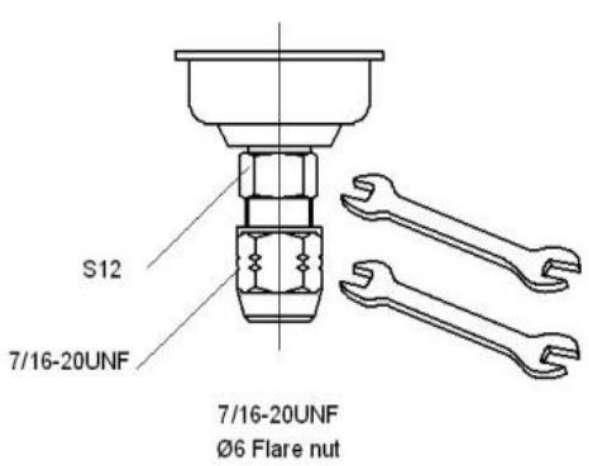
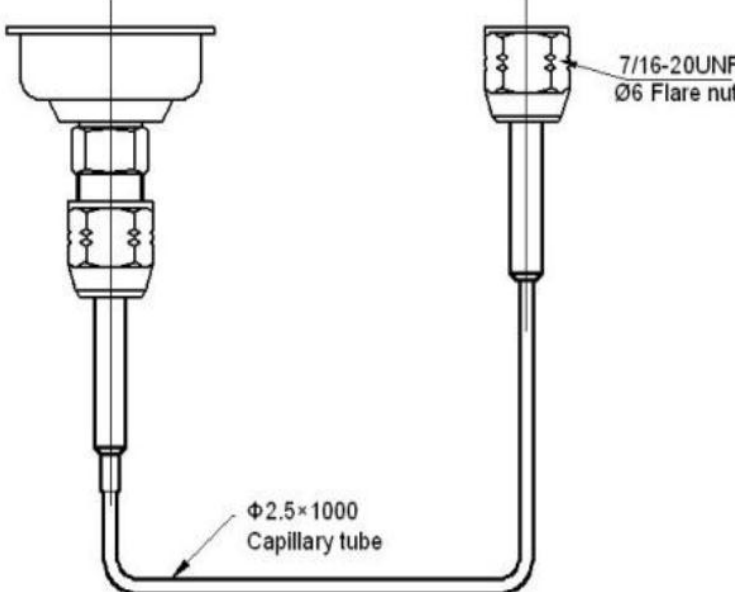


PK830HLM

Electrical Function

Rated Voltage		125V A.C.	250V A.C.
Non-inductive Current		20A	10A
Inductive Current	Full Load Current	15A	8A
	Starting Current	72A	

Pressure Connections

 <p>S12</p> <p>7/16-20UNF</p> <p>7/16-20UNF Ø6 Flare nut</p>	 <p>7/16-20UNF Ø6 Flare nut</p> <p>Φ2.5×1000 Capillary tube</p>
Standard	Available upon request

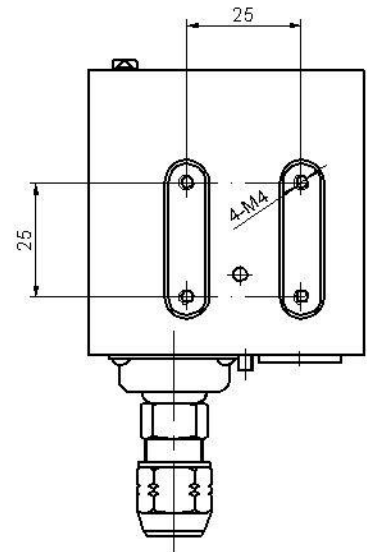
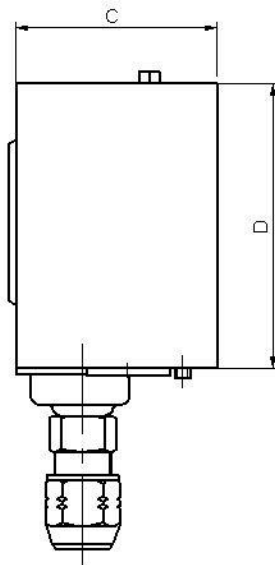
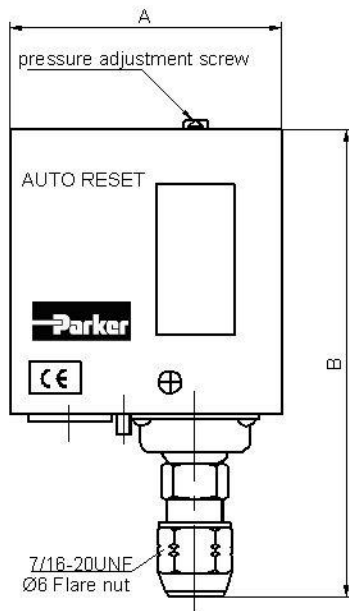
Selection Steps

- 1 Select the type: Single pressure or Dual pressure.
- 2 According to required setting pressure to preselect model.
Pressure differential = Upper setting pressure - Lower setting pressure
Principle:
-Upper setting pressure should be within the Pressure Range.
-Pressure differential should be within the Pressure Diff.
It is highly recommended to select the model according to factory settings to achieve the best accuracy.
- 3 Select the contact reset type.
- 4 Select the connection type.
- 5 Confirm the dimension can meet the demand.

Dimensions and Weights

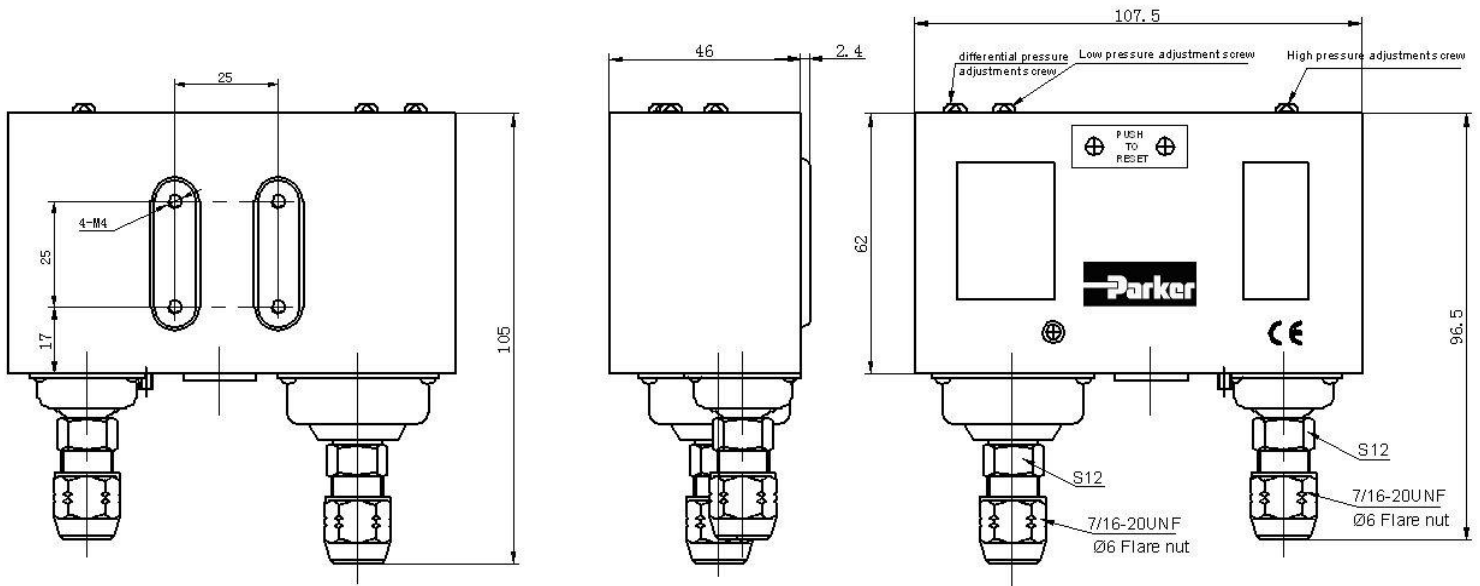
Single Pressure

Model	Dimension(mm)				Weight(kg)
	A	B	C	D	
PK502	67.5	105	46	62	0.39
PK503	67.5	105	46	62	0.4
PK506	67.5	105	46	62	0.4
PK506M	67.5	105	46	62	0.39
PK110	67.5	105	46	62	0.39
PK516	67.5	100	46	62	0.39
PK520	67.5	100	46	62	0.4
PK530D	67.5	100	46	62	0.4
PK530	59	96	46	61	0.32
PK530M	59	96	46	61	0.32



Dural Pressure

Model	Weight(kg)
PK830	0.59
PK830HM	0.59
PK830HLM	0.59



Bracket Dimension

