

# SIMPLE PRESSURE SWITCHES

## P series

### INTRODUCTIONS

- Pressure switched can be used not only in fluoride refrigeration, but also in the air and liquid.
- Allowed medium temperature: -45°C to +120°C.
- Renovated micro-switch structure ensures the reliable switch function.
- Flexible mounting plate suits various kinds of application.
- Single Pressure Controls divide two types: High pressure and Low pressure, they are mounted on low-pressure or high-pressure end of the compressor to control the exhaust and inspiration pressure of compressor.



### SPECIFICATIONS

#### ◆ Electrical data

Rated Voltage (V)		Power Factor $\cos \phi$	AC		DC
			125 V	250 V	24 V
Non-Inductive Current		1.0	10	5	5
Inductive Current	Full Load	0.75	8.5	4.5	2
	Locked Rotor	0.45	40	20	10

#### ◆ Contact Form ( SPDT action)

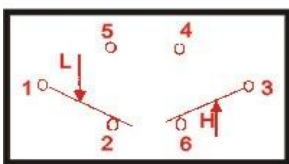


Figure 1

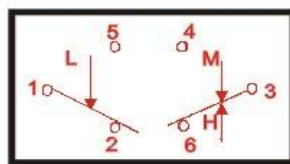


Figure 2

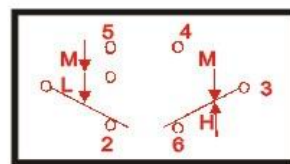


Figure 3

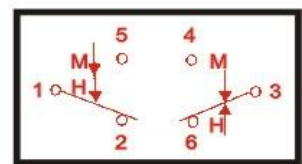


Figure 4

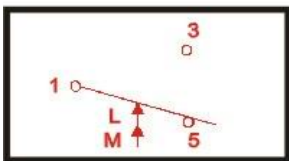


Figure 5

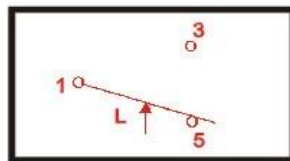


Figure 6

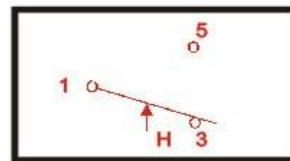


Figure 7

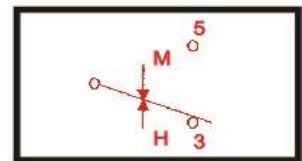


Figure 8

**L** : Low Pressure End

**H** : High Pressure End

**M** : Manual Reset

**↑** : Pressure Rising

◆ Type & Data

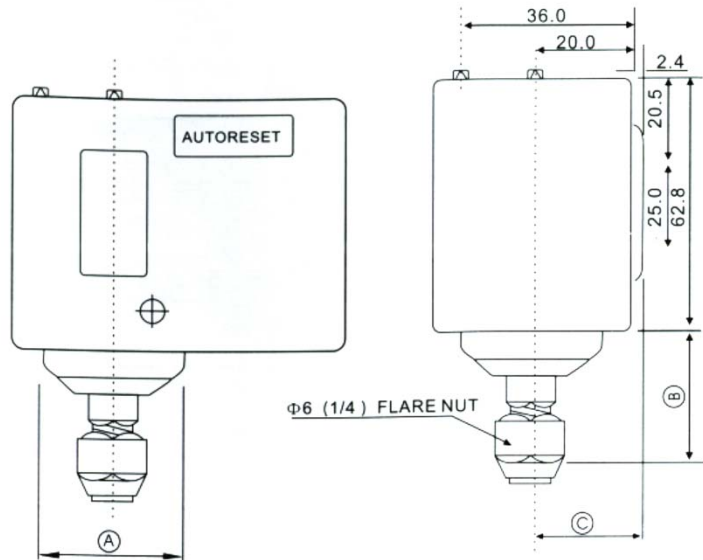
Symbol	Model	Low Pressure (L.P.)		High Pressure (H.P.)		Rest		Factory Set				Temp. Used °C	Contact Form
		Regulating Range	Diff.	Regulating Range	Diff.	Low Pressure	High Pressure	Low Pressure (bar)		High Pressure (bar)			
		bar	bar	bar	bar			off	on	off	on		
Single Low Pressure	P2	-0.7~2.0	0.4~0.8			Aut.		1.0	0.5			-40~+120	figure 6
	P3	-0.7~3.0	0.4~2.0			Aut.		1.5	0.5			-40~+120	figure 6
	P6M	-0.7~6.0	Fixed 2.0			Man.		2.0	3.0 Man.			-40~+120	figure 5
	P6	-0.7~6.0	0.6~4.0			Aut.		3.0	2.0			-40~+120	figure 6
	P10	1.0~10.0	1.0~3.0			Aut.		6.0	5.0			-40~+120	figure 6
	P6T	0.7~6.0	0.6~4.0			Aut.		3.0	2.0			-20~+200	figure 6
	P610T	1.0~10.0	1.0~3.0			Aut.		6.0	5.0			-20~+200	figure 6
Single High Pressure	P30			5.0~30.0	Fixed 3.0~5.0		Man.			20.0	15.0	-40~+120	figure 7
	P30M			5.0~30.0	Fixed ≤4.0		Man.			20.0	≤4.0 Man.	-40~+120	figure 8
	P30D			5.0~30.0	5.0~10.0		Aut.			20.0	15.0	-40~+120	figure 6
	P20D			5.0~20.0	1.0~5.0		Aut.			8.0	7.0	-40~+120	figure 6
	P16D			6.0~16	0.8~3.0		Aut.			8.0	7.0	-40~+120	figure 6
	P30DT			5.0~30	5.0~10		Aut.			20.0	15.0	-20~+200	figure 6
	P20DT			5.0~20	0.8~3.0		Aut.			8.0	7.0	-20~+200	figure 6
	P16DT			6.0~16	0.8~3.0		Aut.			8.0	7.0	-20~+200	figure 6
Dual Pressure	P830	-0.7~6.0	0.6~4.0	5.0~30.0	Fixed 3.0~5.0	Aut.	Aut.	3.0	2.0	20.0	15.0	-40~+120	figure 1
	P830HM	-0.7~6.0	0.6~4.0	5.0~30.0	Fixed ≤4.0	Aut.	Man.	3.0	2.0	20.0	≤4.0 Man.	-40~+120	figure 2
	P830HLM	-0.7~6.0	Fixed ≤0.2	5.0~30.0	Fixed ≤4.0	Man.	Man.	2.0	3.0 Man.	20.0	≤4.0 Man.	-40~+120	figure 3
	P830HH			5.0~30.0	Fixed 3.0~5.0	Aut.	Aut.			20.0	15.0	-40~+120	figure 1
	P830HHM			5.0~30.0	Fixed ≤4.0		Man.			20.0	≤4.0 Man.	-40~+120	figure 4

◆ Outline

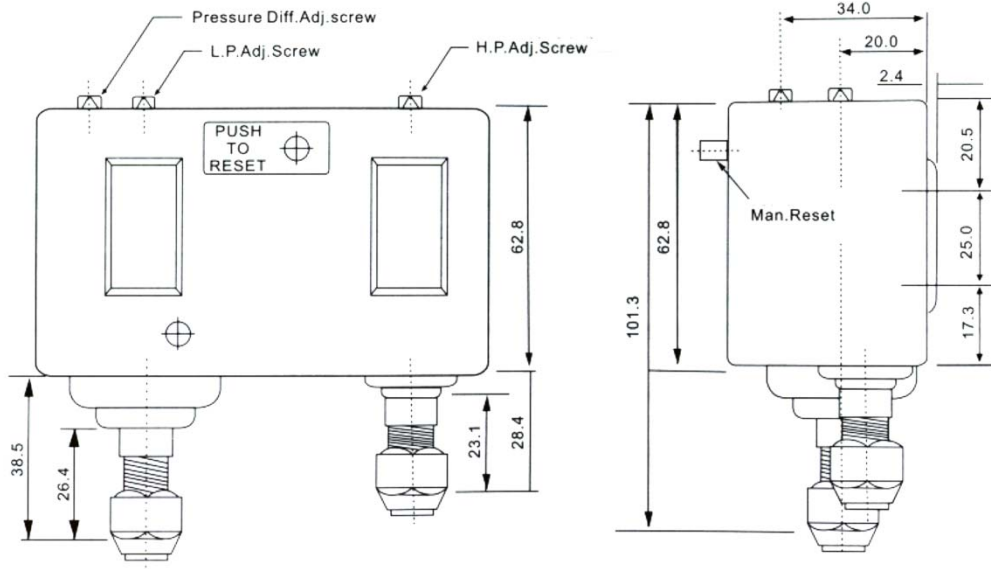
\* Single Pressure Type

UNIT: MM

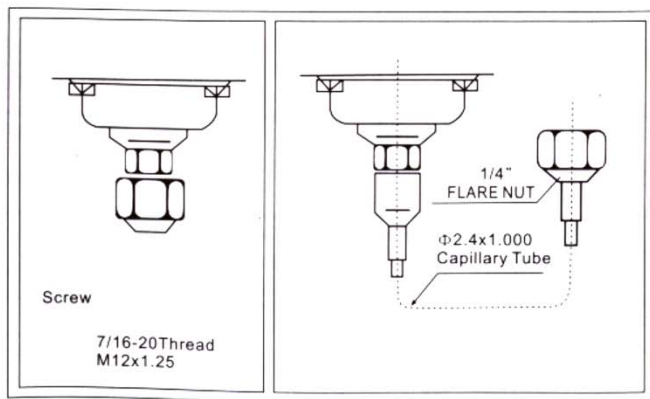
TYPE		A	B	C
P2	P3	34.4	36	22.4
P6M	P6(T)			
P10(T)				
P30	P16D(T)	22	32.7	8.5
P30M	P20D(T)			
P30D(T)				



\* Dual Pressure Type



◆ Connection & Installation



Standard

Tailor according to the requirement

Mounting Plate

