■ Installation

1. In refrigeration, control's high side should be installed on the outlet of compressor exhaust stop valve, low side on the inlet of it.
2. Please read the connection graph carefully before installation.
3. When connecting pipe thread, users must use two 10" spanners to connect screw and control connection tightly to prevent damaging the connection.
4. When connecting pipe by weld, the control must be covered in wet cloth at 2cm away from weld point to prevent the original weld poin melting , leaking and reduce the intension.
5. To avoid installing the controls at moist place or where the amplitude is larger than 1.2mm.

■ Adjustment

1.There are two adjusting screw on the other used to adjust the low side of the low air box. One screw is pressure. Adjust screwdriver at counterclockwise rotation to compress the spring, the setting pressure invreases,inversely, the setting pressure. Adjust thescrewdriver at clockwise rotation to strure decreases.Uses can adjust the pressure or differential pressure on the scale plate according to the need.

2.There is only one screw on the other side of the high pre-ssure air box (Graph 8), which is used to adjust the high pressure. Adjust the high pressure. Adjust the screwdriver at clockwise rotation to stretch the spring, the setting pressure increases, inversely, the setting pressure decreases.Users can adjust it according to the need.

3.When adjusting the pressure and differential pressure which is higher than zero in low pressure part, uses should comply with the principle that the pressure ust be larger than the differential pressure. Otherwise, the control is easily out of order.

PC SERIES PRESSURE CONTROLS

■ Introduction

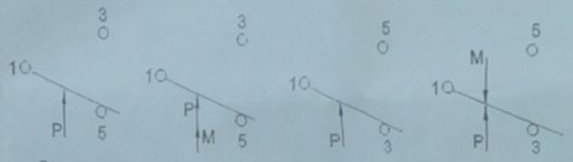
Pressure control is worked by receiving pressure signal. In refrigeration, when exhaust pressure of compressor is higher than the setting one, or suction pressure is lower than the setting one, pressure control automatically cuts the electric circuit and makes the compressor stop operating.

■ Type & Data

unit: bar

Type	L.P.		H.P.		Reset		M.O.P.	
	Range	Diff.	Range	Diff.	L.P.	H.P.	L.P.	H.P.
PC2	0~2	0.4~1			Aut.		17	
PC3	-0.5~3	0.5~2			Aut.		17	
PC6	-0.5~6	1~4			Aut.		17	
PC6M	-0.5~6	1~4			Man.		17	
PC10	1~10	1~3			Aut.		17	
PC12L	2.0~12	1~5			Aut.		25	
PC20D			4~20	1~5		Aut.		33
PC30D			5~30	5~10		Aut.		33
PC30			5~30	3~5		Aut.		33
PC30M			5~30	3~5		Man.		33
PC45L			10~45	4~6		Aut.		48

■ Contact Form



Graph 1 Graph 2 Graph 3 Graph 4

■ Contact Form Instruction

Signal contact: Applicable model:

Graph1: PC2, PC3, PC6, PC12L, PC20D, PC30D;
Graph2: PC6M;
Graph3: PC30, PC45L;
Graph4: PC30M;

■ Contact function

Pressure control is fitted with a signal pole double throw (SPDT), which has a pair of closing and opening contact. Users can connect the wire according to the requirement as above contact form explained. For example, in graph 1, contact 1 is common connect. Connecting 1~5, when pressure rises higher than the setting pressure, 1~5 is disconnected, 1~3 is connected. The scale indicates disconnection pressure.Connecting 1~3, when pressure drops lower than setting one, 1~3 is disconnected, 1~5 is connected. The scale indicates connection pressure.