

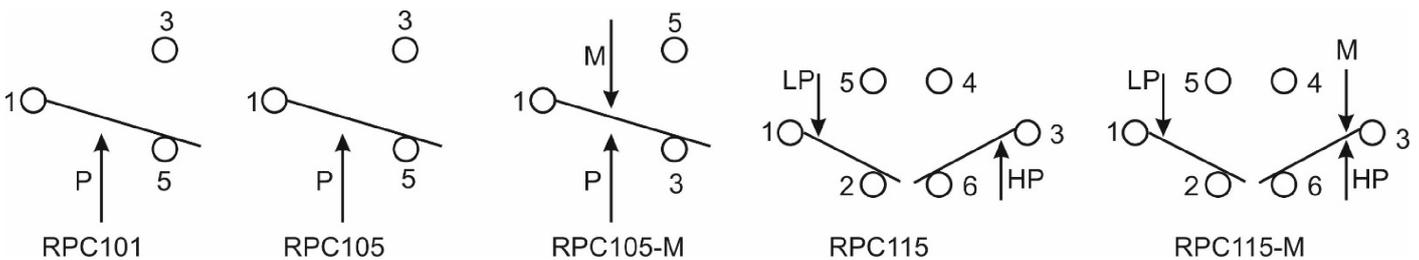
Introduction

Pressure control switches are used for controlling, monitoring and regulating of refrigeration or industrial systems. In refrigeration systems, when discharge pressure of compressor is higher than the settings one or suction pressure is lower than the setting one, pressure control automatically cuts the electric circuit and makes the compressor stop operating.

Models and Data

| Model | Order Codes | L.P. (bar) | | H.P. (bar) | | RESET | | M.O.P. (bar) | | Package Quantity |
|-----------|-------------|------------|-------|------------|--------|-------|--------|--------------|------|------------------|
| | | Range | Diff. | Range | Diff. | L.P. | H.P. | L.P. | H.P. | |
| RPC101 | 026BF1001 | -0,5 - 6 | 1 - 4 | | | Auto | | 17 | | 40 |
| RPC105 | 026BF1002 | | | 5 - 30 | 3 - 10 | | Auto | | 33 | 40 |
| RPC 105-M | 026BF1003 | | | 5 - 30 | | | Manuel | | 33 | 40 |
| RPC115 | 026BF1004 | -0,5 - 6 | 1 - 4 | 5 - 30 | 3 - 5 | Auto | Auto | 17 | 33 | 30 |
| RPC115-M | 026BF1005 | -0,5 - 6 | 1 - 4 | 5 - 30 | | Auto | Manuel | 17 | 33 | 30 |

Relay drawings



Installation

1. In refrigeration control's high side should be installed on discharge of compressor valve via service port or etc.
2. Please read the this user manual 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 point melting,leaking and reduce the instension.

Adjustment

1. There are two adjusting screws on the other used to adjust the low side of the low air box. One screw is pressure. adjust screwdriver at counter clockwise rotation to compress the spring,the setting pressure invceases , inversely, the setting pressure. Adjust the screwdriver at clockwise rotation to decreas. Users can adjust the pressure or differential pressure on the scale plate according to the plant setup.
2. There is only one screw on the other side of the high pressure air box, 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 plant setup.
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 must be larger then the differantial pressure, other wise the control is easily out of order.