

## PRESSURE CONTROL(HLP SERIES)

### Description:

- For use with fluorinated refrigerants as well as with air and water
- Allowable Fluid Temp.: -10℃ ~ +120℃
- With SPDT contact mechanism
- Renovated micro-switch structure ensures the reliable switch function
- Manual-controlled and no use of other instruments to have a function test
- Flexible mounting plate suits various kinds of application
- 1/4, G1/4, capillary or special connetion can be available



### PRODUCT SPECIFICATION

| Pressure | Type      | Pressure Range(bar) |      | Differential Range(bar) |      | Factory Setting(bar) |            | Max.bellows Pressure(bar) |
|----------|-----------|---------------------|------|-------------------------|------|----------------------|------------|---------------------------|
|          |           | Min.                | Max. | Min.                    | Max. | OFF                  | ON         |                           |
| Low      | HLP502    | 0.25                | 1.5  | 0.2                     | 1    | 1                    | 0.5        | 16.5                      |
| Low      | HLP503    | -0.7                | 3    | 0.5                     | 1.5  | 2                    | 1          |                           |
| Low      | HLP506    | -0.7                | 6    | 0.6                     | 3    | 3                    | 2          |                           |
| Low      | HLP506M   | -0.7                | 6    | Reset diff.≤ 1          |      | 3                    | Man. Reset |                           |
| Low      | HLP110    | 1                   | 10   | 1                       | 3    | 6                    | 5          |                           |
| High     | HLP516    | 5                   | 16   | 1                       | 4    | 10                   | 8          | 35                        |
| High     | HLP520    | 5                   | 24   | 2                       | 5    | 16                   | 13         |                           |
| High     | HLP530D   | 5                   | 30   | 5                       | 10   | 20                   | 15         |                           |
| High     | HLP530    | 8                   | 30   | Fixed3-5                |      | 20                   | 15-17      |                           |
| High     | HLP530M   | 8                   | 30   | Reset diff.≥ 4          |      | 20                   | Man. Reset |                           |
| Dual L-H | HLP830    | -0.7                | 6    | 0.6                     | 4    | 3                    | 2          | 16.5                      |
|          |           | 8                   | 30   | Fixed3-5                |      | 20                   | 15         | 35                        |
| Dual L-H | HLP830HM  | -0.7                | 6    | 0.6                     | 4    | 3                    | 2          | 16.5                      |
|          |           | 8                   | 30   | Reset diff.≥ 4          |      | 20                   | Man. Reset | 35                        |
| Dual L-H | HLP830HLM | -0.7                | 6    | Reset diff.≤ 1          |      | 3                    | Man. Reset | 16.5                      |
|          |           | 8                   | 30   | Reset diff.≥ 4          |      | 20                   | Man. Reset | 35                        |

### ELECTRIC RATINGS

| Rated Amps(A)Rated Voltage(V) |              | POWER Factor (cos) | 125/250V AC |
|-------------------------------|--------------|--------------------|-------------|
| Non Inductive Current         |              | 1                  | 12          |
| Inductive Current             | Full Load    | 0.75               | 12          |
|                               | Locked Rotor | 0.45               | 72          |

## PRESSURE CONTROL(P SERIES)



### Description:

- P series pressure control is used to protect refrigeration or air-conditioning equipment from breathing pressure higher or exhausting lower in system of refrigeration compressor
- Pressure control is also used in the start & stop of the refrigeration compressors and air-cooled condenser fans
- Allowable Fluid Temp.: -10℃ ~+110℃
- With SPDT contact mechanism
- Manual-controlled and no use of other instruments to have a function test

### PRODUCT SPECIFICATION

| Pressure | Type | LP(bar)        |            | HP(bar)        |            | Reset  |        | Contact               | Code       |            |         |
|----------|------|----------------|------------|----------------|------------|--------|--------|-----------------------|------------|------------|---------|
|          |      | Pressure range | Diff.range | Pressure range | Diff.range | Low    | High   |                       | 1/4 in.6mm | 1/4 in.ODF | 6mm ODF |
|          |      |                |            |                |            |        |        |                       | Flare      | Solde      | Solde   |
| Low      | P1   | -0.2~7.5       | 0.7~4.0    |                |            | Auto   |        | SPDT                  | P1-01      | P1-12      | P1-10   |
| Low      | P1   | -0.7~7.0       | Fixed 0.7  |                |            | Manual |        |                       | P1-03      | P1-11      | P1-09   |
| Low      | P2   | -02~5.0        | 0.4~1.5    |                |            | Auto   |        |                       | P2-20      | P2-21      | P2-23   |
| High     | P5   |                |            | 8~32           | 1.8~6.0    |        | Auto   |                       | P5-71      | P5-79      | P5-77   |
| High     | P5   |                |            | 8~32           | Fixed 3    |        | Manual |                       | P5-73      | P5-80      | P5-78   |
| High     | P6   |                |            | 8~42           | 4~10       |        | Auto   |                       | P6-90      |            |         |
| High     | P6   |                |            | 8~42           | Fixed 4    |        | Manual |                       | P6-91      |            |         |
| Dual     | P15  | -0.2~7.5       | 0.7~4.0    | 8~32           | Fixed 4    | Auto   | Auto   | SPDT+Low Signal       | P15-41     | P15-54     |         |
| Dual     | P15  | -0.2~7.5       | 0.7~4.0    | 8~32           | Fixed 4    | Auto   | Manual |                       | P15-43     | P15-44     |         |
| Dual     | P15  | -0.9~7.0       | Fixed 0.7  | 8~32           | Fixed 4    | Manual | Manual | SPDT+Low/ high Signal | P15-45     | P15-46     |         |
| Dual     | P15  | -0.2~7.5       | 0.7~4.0    | 8~32           | Fixed 4    | Auto   | Auto   |                       | P15-65     | P15-99     |         |
| Dual     | P15  | -0.2~7.5       | 0.7~4.0    | 8~32           | Fixed 4    | Auto   | Manual |                       | P15-64     | P15-84     |         |
| Low      | P35  | -0.2~7.5       | 0.7~4.0    |                |            | Auto   |        | SPDT                  | P35-33     |            |         |
| Low      | P36  | 2~14           | 0.7~4.0    |                |            | Auto   |        |                       | P36-08     |            |         |
| High     | P38  |                |            | 8~32           | 1.8~6.0    |        | Auto   |                       | P38-81     |            |         |