

Main Specifications

▼ **Pressure connection**
 Material:
 Chrome-plated copper alloy
 7/16" UNF (1/4" SAE)

▼ **Switch type**
 SPDTx1

▼ **Pressure range**
 Low side ▼
 5 to 20 bar
 High side ▼
 5 to 30 kg
 (Please refer to catalog P1 pressure setting range)

▼ **Wiring type**
 Screw clamp terminal blocks

▼ **Applicable fluid**
 Liquid and gas that compatible with copper alloy

▼ **Ambient temperature**
 -20°C to +70°C

▼ **Operation temperature**
 -10°C to +80°C

▼ **Fluid temperature**
 -10°C to +80°C

▼ **Temperature effect**
 Every 12°C
 max. error ±0.5% F.S

▼ **Protection level**
 IP44

Other Specifications

▼ **Case**
 White ABS

▼ **Socket**
 Chrome-plated copper

▼ **Movement**
 Copper alloy

▼ **Operating pressure**
 Max. 30bar

▼ **Operating voltage**
 Max. 240V

▼ **Operating current**
 Max. 15A

▼ **Min. contact capacity**
 50mA

▼ **Rack material**
 L-shape rack, galvanized iron

Compact Pressure Switch
Model: ATHLP(S)
Introduction

Pressure switch is mainly used to protect the refrigeration and air conditioning system, the pressure can be automatically adjusted by intake or release pressure, and it can also be used to control the refrigeration compressor and air compressor fan switch.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Electrical parameters

| Item | Power | 125V AC | 250V AC | 24V DC |
|---------------------|-------|---------|---------|--------|
| Non-induced current | 1 | 12 | 12 | 5 |
| Overload current | 0.75 | 12 | 12 | 2 |
| Inrush current | 0.45 | 72 | 72 | 10 |

Unit: ampere (A)

Features

- OEM service
- Economic pressure switch with comprehensive applications
- Renovated micro-switch structure ensures the reliable switch function
- Standard support rack (L-shape) suits various kinds of application

Setting Range Table

| Pressure type | Code | Pressure range | | Differential pressure | | Pressure resistance |
|---------------|------|----------------|--------|-----------------------|---------|---------------------|
| | | Min | Max | Min | Max | |
| Low pressure | 102 | 0 | 2 bar | 0.5 | 0.7 bar | 16.5 bar |
| Low pressure | 103 | 0 | 3 bar | 0.25 | 1.5 bar | 16.5 bar |
| Low pressure | 106 | 0 | 6 bar | 1 | 4 bar | 16.5 bar |
| Low pressure | 110 | 0 | 10 bar | 1 | 4 bar | 16.5 bar |
| Low pressure | 116 | 3 | 16 bar | 2 | 5 bar | 33 bar |
| Low pressure | 520 | 5 | 20 bar | 2 | 5 bar | 33 bar |
| High pressure | 530 | 5 | 30 kg | 5 | 10 kg | 33 bar |

How to Order

| ATHLP (S) | | Compact Pressure Switch | |
|-----------|------|--|----------------------------------|
| | Code | Set point range | |
| | 106 | Please refer to the setting range table and select the corresponding code. | |
| | | Code | Other requests |
| | | /A | Third party notarized documents |
| | | /B | Inspection report |
| | | /C | Tag |
| | | /D | Thread adapter: 1/4" PT, 3/8" PT |
| | | /E | Nut covers |
| | | /F | Install a capillary |
| ATHLP (S) | 106 | Order example: ATHLP (S)-106+/D | |