

# PRESSURE SWITCH MODEL PS31



1)PS31 side view    2)PS31 thread view    3)PS31 adjusting screw view

PS31 Series pressure switches are used to control the pressure of compressor in refrigerant system, also available in air or water fluid. This series have quite stable performance with internal micro-switch structure. Standard mounting bracket are provided.

## Features

- Suitable for refrigeration systems
- Manual and automatic reset functions
- Adjustable pressure and differential pressure

## Technical parameter

### General

#### Basic information

Process connection	G1/4 male, 1/4SAE male
	The threads can be customized
Cable diameter	6-14mm
Tests/Admissions	UL508

#### Electrical overview

Switching load	FL8A/LR48A at 240VAC
	FL16A/LR96A at 120VAC
Dielectric strength	2000V/one minute without breakdown

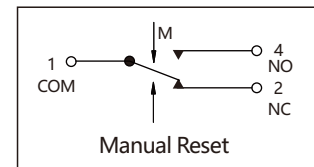
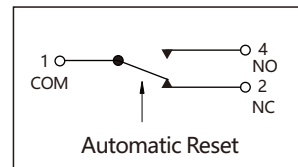
#### Installation arrangement

Installation torque	2N*M
Factory set	Vertical,
	pressure connections facing downwards

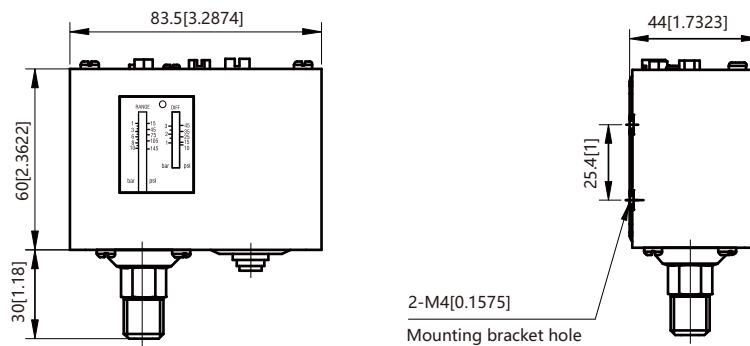
### Operating conditions

Medium	R22,R134a,R404A,air,liquid,etc
Temperature	Medium:-40...+120°C[-40...+248°F] Ambient:-20...+65°C[-4...+149°F]
IP grade	IP20,IP30(with bracket and cover), IP44(with bracket, cover, and cap), IP55(with integral cover)

### Contact version



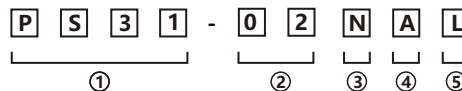
### Dimensions in mm(in)



### Ordering information

#### Example part number:PS31-02NAL

Model PS31 pressure switch,pressure range:-0.5...2bar,differential pressure range:0.2...0.7bar,maximum working:10bar;reset method: auto reset;process connection:1/4sae male;bracket:L type.



① Name	② Model	Pressure Range	Differential Pressure Range	Max. Working Pressure
PS31	02	-0.5...2bar	0.2...0.7bar	10bar
	03	-0.5...3bar	0.35...1.5bar	10bar
	06	-0.5...6bar	0.6...4bar	17bar
	08	-0.2...7.5bar	0.7...4bar	17bar
	10	1...10bar	1...3bar	17bar
	14	2...14bar	1...4bar	17bar
	16	3...16bar	1...4bar	20bar
	20	5...20bar	2...5bar	35bar
	30D	5...30bar	3...10bar	35bar
	32	8...32bar	2...6bar	35bar
	42	8...42bar	4...10bar	45bar

③ Reset Method
N Auto reset
M Manual reset

④ Process Connection
A 1/4SAE male
B G1/4 male
C G1/4 female
D G1/2 male
E R1/4 male
F R1/4 female
G NPT1/4 male
H NPT1/4 female
J M12*1.25 male
K Welded Copper Pipe with Conical End
M Welded Copper Pipe with Flat End

⑤ Bracket
N No bracket
P Flat type
L L type
U U type
T Extended
X Overlength

1bar=100kPa=0.1MPa=14.5psi

Please make separate remarks for special requirements.