

PRESSURE SWITCH MODEL PS31



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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

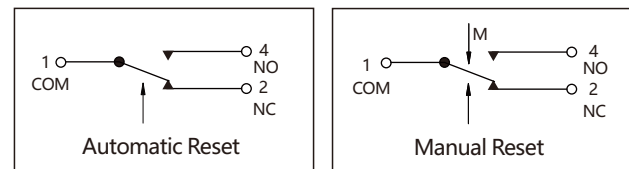
Installation arrangement

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

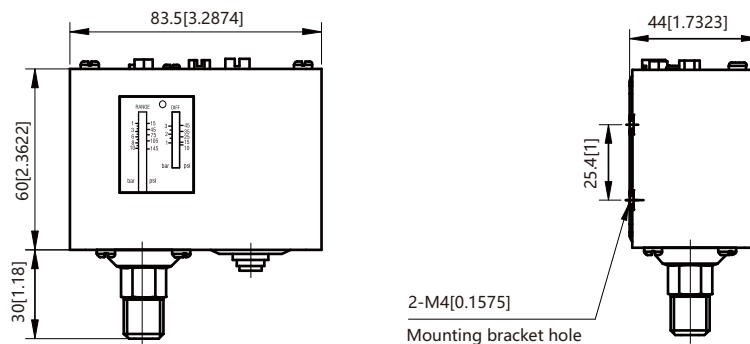
Operating conditions

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



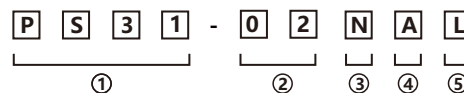
Dimensions in mm(in)



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.



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Name	Model	Pressure Range	Differential Pressure Range	Maximum Working	Reset Method		Process Connection					Bracket		
PS31	02	-0.5...2bar	0.2...0.7bar	10bar	N	Auto reset	A	1/4SAE male					N	Without bracket
	03	-0.5...3bar	0.35...1.5bar	10bar	M	Manual reset	B	G1/4 male					P	Flat type
	06	-0.5...6bar	0.6...4bar	17bar			C	NPT1/4 male					L	L type
	08	-0.2...7.5bar	0.7...4bar	17bar			D	R1/4 male					U	U type
	10	1...10bar	1...3bar	17bar			E	G1/4 male						
	14	2...14bar	1...4bar	17bar			F	NPT1/4 female						
	16	3...16bar	1...4bar	20bar			G	R1/4 female						
	20	5...20bar	2...5bar	35bar			H	M12*1.25 male						
	30D	5...30bar	3...10bar	35bar			I	Welded copper pipe						
	32	8...32bar	2...6bar	35bar										
	42	8...42bar	4...10bar	45bar										

1bar=100kPa=0.1MPa=14.5psi

Please make separate remarks for special requirements.