

Pressure Switch

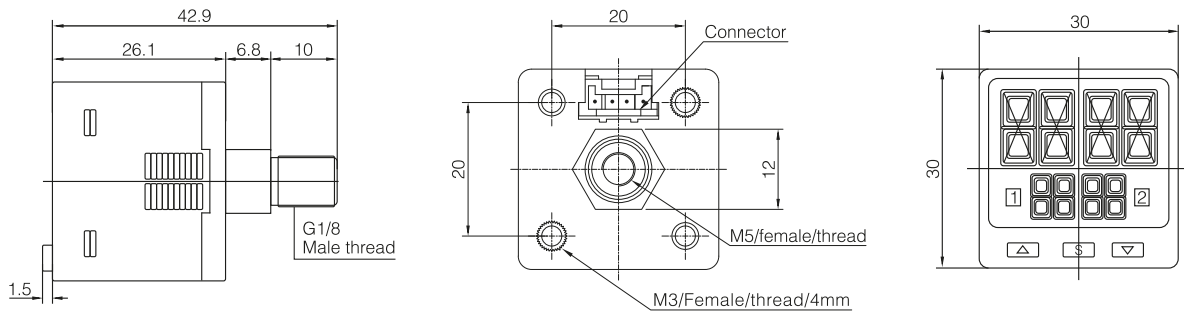
T1030
T1050
T1700
T1800
T2000W
PF08
PF08A
PF08V
PF20
PF20-V
PF25
PF26
PF37
PF701B
PF702
PF702A
PF702B
PF703A
PF704
PF704A
PF705
PF705A
PF705B
PF706
PF706A
PFDS10
PFDS63



Product details

1. LFDS101/LFDS102 Series can measure the pressure with high reliability sensor. After processing by the back-end circuit, the signal will be converted into a standard industrial electrical signal.
2. Then it will be output and displayed. These products have plastic shell design, high contrast, double screen digital display LCD. So this series of products can be used in various industrial applications.
3. The product with 3 key design and user friendly menu will be more convenient to use. Different connections can fully meet the specific installation requirements. Users can adjust the working parameters of built-in set items. That is very flexible and convenient.
4. The characteristics of this series are shock resistant, long service life, simple operation and clear display.

Dimensions



Ordering code

PFDS10		1	—	S	—	E	—	N	—	W	
		Pressure range	Output characters (Note 1)		Connection type		Switching valve type		Special status (Note 2)		
1	High pressure type (-100~1000kPa)	S	Standard type		R	R1/8+M5 Female screw		N	NPN	W	No
	2	Low pressure type (-100~100kPa)	A	Current output type		E	G1/8+M5 Female screw		P	PNP	X
			V	Voltage output type		M	M=M5 Female screw				J

Note 1: Standard type: 2 switch interface (PNP or NPN); Current type: 1 switch interface (PNP or NPN) + 1 analogue (4-20mA);

Voltage type: 1 switch interface (PNP or NPN) + 1 analogue(1-5V).

2: Any question, please contact us.

Specifications

Item\Model	PFDS101	PFDS102
Pressure type	Standard pressure	
Pressure range	(-100~1000kPa)	(-100~1000kPa)
Proof pressure	1.5 Times	3 Times
Media	Non-hazardous gas only	
Rated voltage	12~24VDC	
Current consumption	<20mA (When no load)	
Switch output	<NPN Output type>: NPN open collector transistor, Max current: 100mA, Pressure drop: <1.5V <PNP Output type>: PNP open collector transistor, Max current: 100mA, Pressure drop: <1.5V	
Output setting	NO/NC	
Hysteresis	1-8 Level (Default 3 Level)	
Repeatability	±0.3% F.S	
Comprehensive precision	±1% F.S	
Response time	2.5/5/10/25/250/500/1000/5000ms	
Analog voltage output	1-5V ±5% (Limit for current output type)	
Analog current output	4-20mA ±5% (Limit for voltage output type)	
Storage temperature	-10~60℃	
Operating temperature	0~50℃	
Temperature character	±2.5% F.S	
Enclosure	CN-14A-C2 (With connector cable, 2m)	

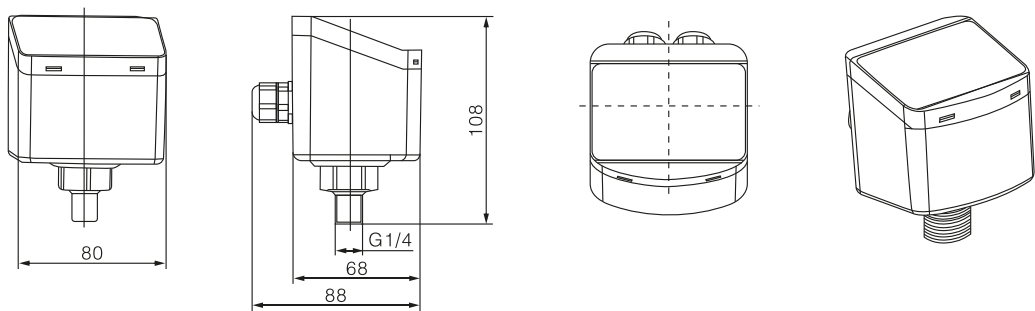
Conversion: 1kgf/cm²=14.2psi 1bar=14.5psi



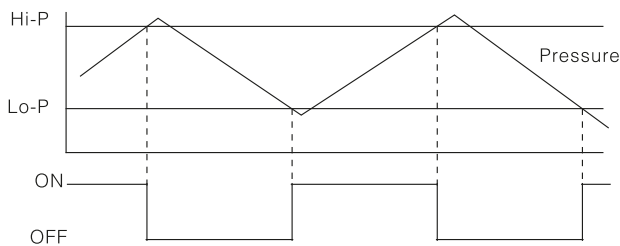
Product details

- 1. PFDS630 (630/631/632) series is made by high-reliability sensor to measure pressure.
- 2. After disposed by back-end circuit, the signal shows on displayer and automatically control relay output when pressure changes.
- 3. With design of engineering plastic shell and high-contrast LCD displayer, this series product can be used in various industrial fields.
- 4. Kinds of connection types can meet different installation requirements.
- 5. User can adjust parameters freely, with variety of settings built-in, it's flexible and convenient.
- 6. PFDS63 (630/631/632) series is with features of anti-vibration, long lifetime, easy operation, high stability and clear display.

Dimensions



Relay working mode



Hi-P: OFF pressure value Lo-P: ON pressure value
The controller will monitor pressure in container in real time, to control pressure by ON/OFF setting.
User also can use manual set to change parameters and lock protection (Refer to operating instruction).

Ordering code

PFDS63 0		S		T		R	
Pressure range		Output		Special function		Connection	
2	Mid-pressure(0~2.0MPa)	No code(default)	Single AC220V output	No code(default)	No	No	G1/4
1	Low-pressure(0~1.0MPa)	S	Single relay switch output	T	Intelligent time control	N	NPT1/4
0	Vacuum(-101.3~10.KPa)	D	Double relay switch output			R	R1/4

Specifications

Item\Model	PFDS630	PFDS631	PFDS632
Pressure range	(-101.3~10kPa)	(0-1.0~10MPa)	(0~2MPa)
Proof pressure	1.5 Times	2 Times	
Medium	Air, noncorrosive gas and oil, water		
Rated working voltage	220VAC		
Power consumption	1.3W (No Load)		
Load	200VAC 10A (Max)		
IP Class	IP52		
Connection	G1/4, NPT1/4, R1/4		
Accuracy	±1% F.S		
Storage temperature	-10~60℃		
Operation temperature	10~50℃		
Dimension	80×88×110mm (With connection)		

Conversion: 1kgf/cm²=14.2psi 1bar=14.5psi

Pressure
Switch

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T1700

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