

PS43

Digital Display Pressure Switch



Product Features

- Product features
- Use HD display, highlighting no ghosting
- Using imported chip, higher stability
- Ultra-thin design, easy to install
- Three color digital intelligent LCD display, easy to distinguish
- Copy the function, operation more convenient
- Built-in four units, show more clearly, show more intuitive
- Picture in Picture, show more intuitive
- Can be set up power saving mode
- Key lock, non-professional personnel operation
- Multiplexed output, can be individually controlled multiplexing equipment
- Single-channel output current is 200 ma, can control large load
- Built-in over current, short circuit protection function
- Built-in automatic fault diagnosis and fault code alarm

How to Order?

Series No. Pressure Type Output type Port Size

PS43: C: Continuous pressure (-100 Kpa~100 kpa)
Standard Type 06: PT1/8(M5)
04: MS

N: 1 way NPN output
NM: 1 channel NPN+1 channel analog voltage output (1~5V)
2N: 2 channel NPN output
2NM: 2 channel NPN+2 channel analog voltage output (1~5V)
NA: 1 channel NPN+1 channel analog current output (4~20mA)
P: 1 channel PNP output
PM: 1 channel PNP+1 channel analog voltage output (1~5V)
2P: 2 channel PNP output
2PM: 2 channel PNP+2 channel analog voltage output (1~5V)
PA: 1 channel PNP+1 channel analog current output (4~20mA)
NR: One NPN+RS485 communication
PR: 1 channel PNP+RS485 communication

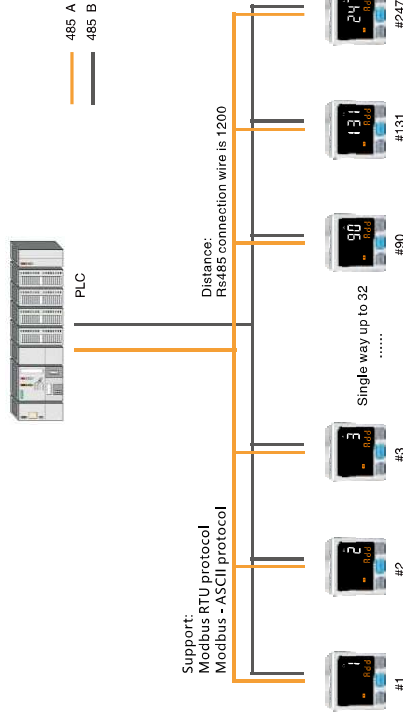
Panel mounting bracket:	MS-PS43-01
Front mounting bracket:	MS-PS43-02
Front cover:	MS-PS43-03
L-shaped support:	MS-PS43-04
Z-bracket:	MS-PS43-05
PS43 special	

Installation Accessories: Sold Separately

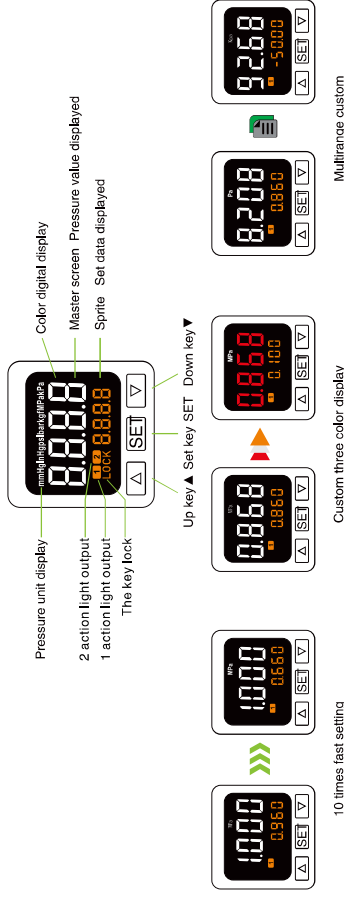
Specifications

Models	Micropress	Continuous press	Positive pressure
Rated pressure range	-10~10KPa	-100~100KPa	-0.1~1.0MPa
Set pressure range	-10~10KPa	-103~103KPa	-0.103~1.03MPa
Resistance to pressure	30KPa	500KPa	1.5MPa
Protection class	IP40		
Display refresh rate	5 times per second		
Environment temperature	0~50°C		
Load current	≤200mA		
Internal voltage drop	≤1.0V		
Consumes current	≤40mA without load		
Linearity	±1F.s		
Weight	About 28g (without cable)		
Minimum scale value	KPa(0.01), mmHg(1), kgf/cm²(0.01)	mmHg(0.1), MPa(0.001), kgf/cm²(0.01), bar(0.01), psi(0.1)	
Shock resistance	The vibration amplitude is 1.5mm, 10Hz~150Hz, 2 hours in each direction X, Y and Z		
RS485 communication distance	Connection for maximum distance: 1200m		
Color	3 colors (white, red, orange)		
Humidity	Action and preservation: 35~85%(no water dew)		
Wire specification	Oil resistant PVC Cable (0.15mm)		
Repeat accuracy	0.3%F.S light		
Action indication	Orange OUT1		
Applicable gases	Air, non-storage, non-combustible (normal type)		
Storage temperature	Storage: -10°C~60°C (without water dew and non-freezing state)		
Temperature characteristics	3°F, a comparison reference temperature 25°C (0~50°C temperature range)		
Baud rate	9600bps, 19200bps, 38400bps, 57600bps, 115200bps		
Insulation resistance	50MΩ V.F. (DC 500V) (between the lead and the plastic case)		
Output voltage	5V, 12V, 24V, 30V, 48V, 5V (rated voltage)		
Output current	≤55mA (at 24V)		
Voltage resistance	AC1000V 1 min. (between lead and plastic case)		
Impact resistance	100m/s (10G), Y, Z 3 times in each direction		
Output type	Open collector output (NPN or PNP, up to 1 way output)		
Port size	PT1/8" +M5, NPT1/8" 10~32UNF, M5		
Response time	≤2.5ms (25, 100, 250, 500, 1000, 1500ms) can be set up		

Connection Diagram



Panel Description



Main Dimensions

