

PS43

Digital Display Pressure Switch (RS485)



Product Features

- **RS485 communication.**
 - 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. Lash, 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: Standard Type	C: Continuous pressure (-100 Kpa-100 kpa) P: Positive pressure (-0.1MPa-1.0MPa) V: Negative pressure (-100kPa-0kPa) M: micro pressure (-10kPa-10kPa)	N: 1 way NPN output NV: 1 channel NPN+1 channel analog voltage output (1-5V) 2N: 2 channel NPN output 2NV: 2 channel NPN+1 channel analog voltage output (1-5V) NA: 1 channel NPN+1 channel analog current output (4-20mA) P: 1 channel PNP output PV: 1 channel PNP+1 channel analog voltage output (1-5V) 2P: 2 channel PNP output 2PV: 2 channels PNP+1 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	01: PT1/8(M5) 06: NPT1/8(10-32UNF) 04: M5

Installation Accessories: Sold Separately

Panel Mounting Kit	MS-PS43-01-P01	PS43 special
L-shaped support	MS-PS43-04	
Z-bracket	MS-PS43-05	

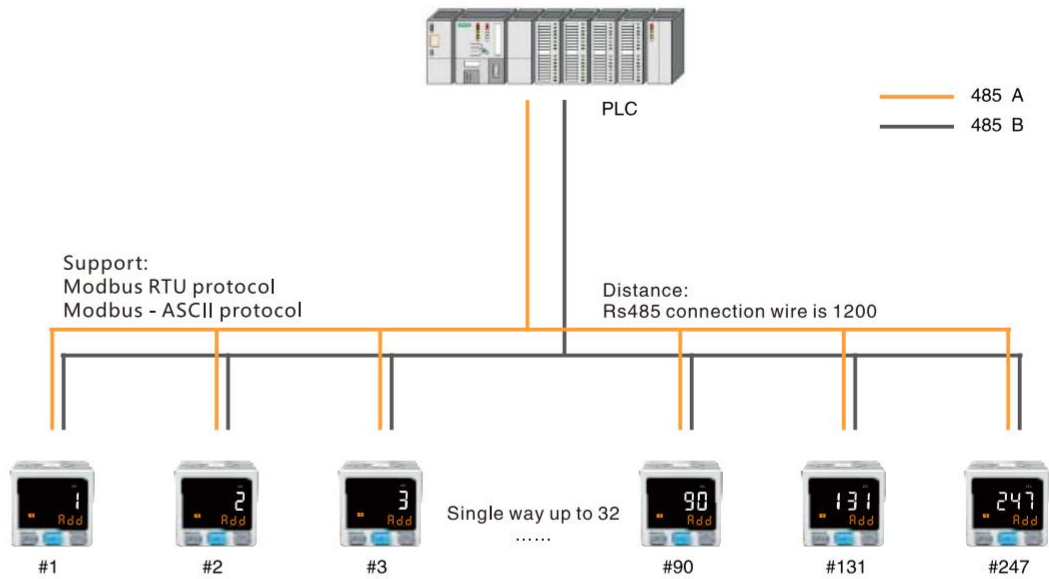
Specifications

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℃		
Load current	≤200mA		
Internal voltage drop	≤1.0V		
Consumes current	≤40mA without load		
Linearity	±1F.s		
Weight	About 28g (without cable)		
Unit minimum scale value	KPa(0.01) mmHg(1) kgfa/cm ² (0.01) bar(0.001) psi(0.01) inHg(0.1) MPa(0.001) kgfa/cm ² (0.01) bar(0.01) psi(0.1)		
Shock resistance	The vibration amplitude is 1.5mm, 10Hz~55Hz-10Hz per minute, 2 hours in each direction X, Y and Z		
RS485 communication distance	Connection for maximum distance <1200 m		
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 ldigit		
Action indication	Orange OUT1		
Applicable gases	Air, non-storage, non-combustible (normal type)		
Storage temperature	Storage: -10℃~60℃ (without water dew and non-freezing state)		
Temperature characteristics	3%F.s comparison reference temperature 25℃ (0~50℃ temperature range)		
Baud rate	9600bps, 19200bps, 38400bps, 57600bps, 115200bps		
Insulation resistance	50MΩ 以上 (DC 500V) (between the lead and the plastic case)		
Output voltage	0.6V~5V 2%FS (rated voltage)		
Display accuracy	%FS ldigit (temperature 25 3℃)		
Voltage resistance	AC1000V1 min (between lead and plastic case)		
Impact resistance	100m/s(10G)x, 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		

Digital Display Pressure Switch



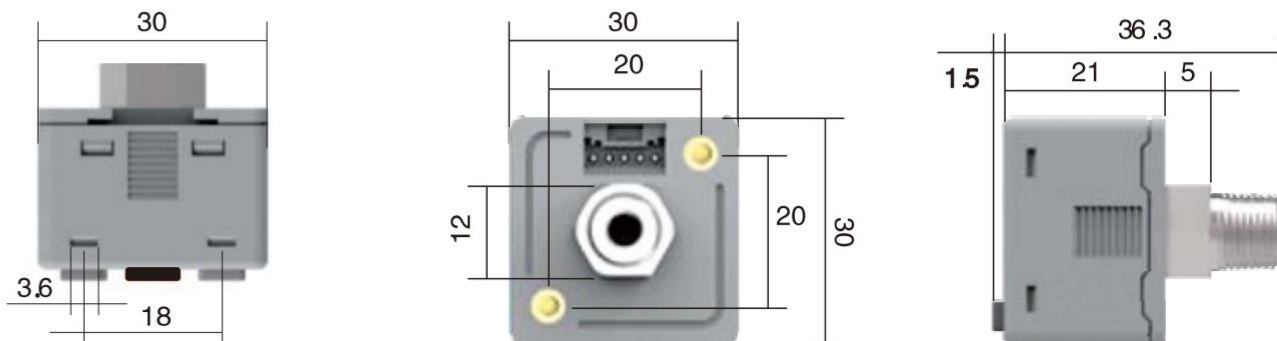
Connection Diagram



Panel Description



Main Dimensions

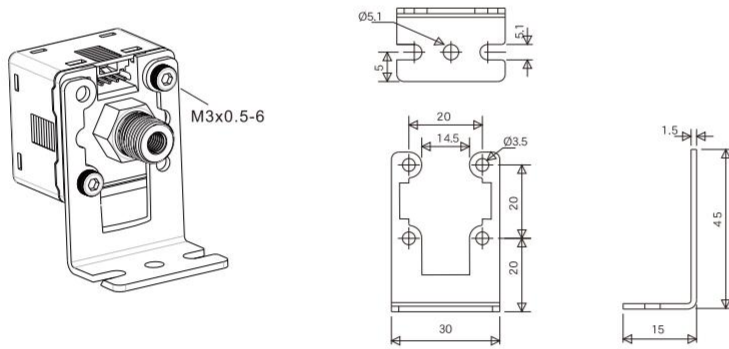


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Pressure Switch

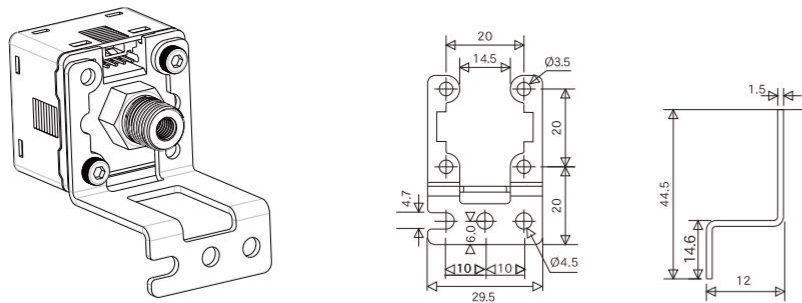
Optional Accessories

Fixing bracket installation mode

L-Bracket



Z-Bracket



Panel Installation

