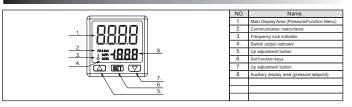
Panel Introduction



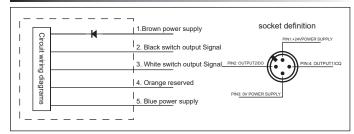
Specification

Model		DPS-801 Compound	DPS-810 Positive
Pressure Measure	Range of measure	-100KPa~+100KPa	-100KPa~+1000KPa
	Setting range	-100KPa~+100KPa	-100KPa~+1000KPa
	Withstand pressure	500kPa	1500KPa
	Pressure type	Non-flammable; non-corrosive gas; gauge pressure measurement	
	Measure accuracy	≤2%F.S Ambient temperature 25 C	
	Temperature error	≤3%F.S Temperature range0~50℃	
	Measure pattern	Single point mode	
		Hysteresis mode	
		Window comparator mode	
Port Size		R1/8\ G1/8\ NPT1/8\ M5	
Input power	Voltage range	12~24VDC ±10%	
	Power consumption	40mA max(no load)	
	Switch output	NPN\PNP OUTPUT MAX CURRENT: 250mA	
	Response time	Adjustable Lowest 2.5mS	
Output signal	Communication method	Model: IO-Link Version: V1.1 Communication speed:COM238.4kbps Ssettings file: IODDfile Minimum cycle time: 2.5mS Process data length: Input 2bytes,output 0bytes Vendor ID: 1524 (0x5F4)	
Environment resistant	IP class	IP40	
	Ambient temperature	Use temperature 0-50 °C, storage temperature -20~60 °C	
	Ambient humidity	Using environment humidity 35~80%RH	
	Insulation voltage	1000VAC	
	Insulation resistance	≥50MΩ, 500VDC	
	Shock proof	Maximum 100m/s2, 3 times each in 3 axes and 6 directions	
	Vibration resistant	Amplitude 1.5mm, 10Hz~500Hz, 2 hours each for 3 axes	

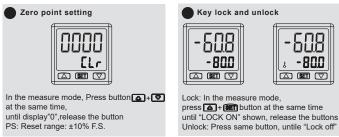
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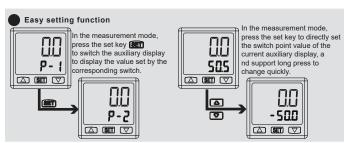
3

DPS-8 Series Link method



Quick setting





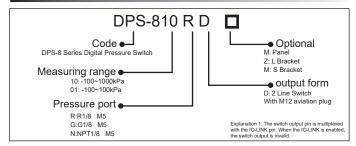
2



L&T

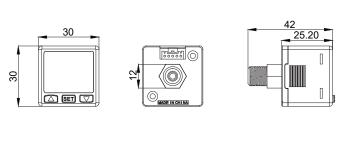
DPS-8 Series

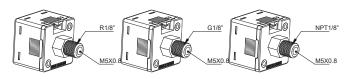
Ordering Code



Size

Dimensions & Port size





Digital display pressure switch

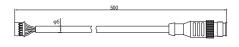


L&T

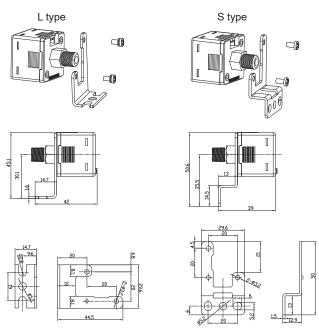
DPS-8 Series

Size (mm)

Wire Size



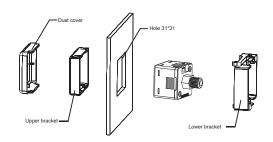
Bracket

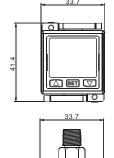


DPS-8 Series

Size (fi

Bracket M

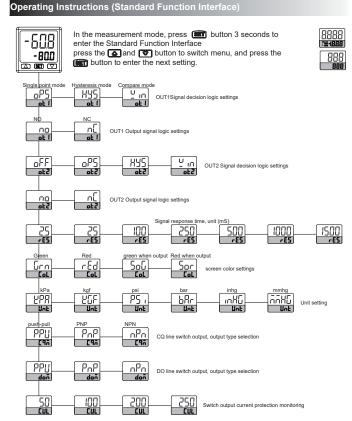








5



6

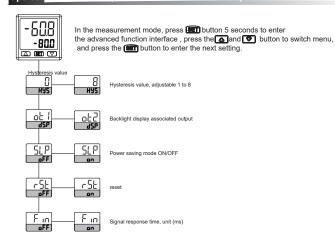
Digital display pressure switch Use 10-Link





DPS-8 Series

Operatil



Error code description

Error code	Problem	Solutions
ER1	Output 1 short circuit/over current	Turn off the voltage, check the output circuit
ER2	Output 2 short circuit/over current	Turn off the voltage, check the output circuit
ER3	The zero return operation is out of range	Check the external pressure
HHH/LLL	Pressure overrange	Please use within the allowable pressure range
ER6~9	system error	Power off and restart, if it does not recover, please send it back

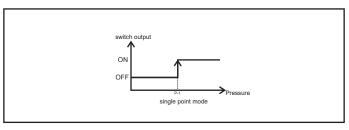
Digital display pressure switch //se 10-Link

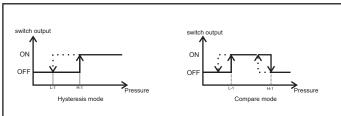




DPS-8 Series

Output function diagram in NO state







Cautions

- 1. This product is only suitable for gas pressure measurement, the medium should not contain corrosive or flammable gas
- 2. The use environment of this product should avoid high temperature and high humidity
- 3. When installing or disassembling this product, please ensure that the pressure source is stopped, and the output line is disconnected from the controller to ensure the safety of the product and life.
- 4. When installing, please use components that meet the size of the pressure interface to connect, and confirm that the seal is good, so as to avoid measurement errors or gas leakage and other problems.
- 5. Please confirm that the wiring is correct before powering on, such as excessive voltage input to avoid product damage