

The selection is detailed on page 4



ESD10

Digital Pressure Switch

Product application

Hydraulic equipment
Intelligent manufacturing
Integrated system
Gas alarm

Functional characteristics

Good repeatability, long service life
Flexible adjustment of working parameters
Built-in multiple Settings dual independent
Small and delicate, flexible and convenient

Product description

Dual LCD digital display
High reliability transmitter is used for pressure testing, and the signal is converted into a standard industrial electrical signal after processing by the back-end circuit and displayed

Multiple connection and output modes
Built-in a variety of setting items, by the user to adjust the working parameters, flexible and convenient.

Detail upgrade
A variety of connection methods, small and delicate, to meet a variety of installation needs.

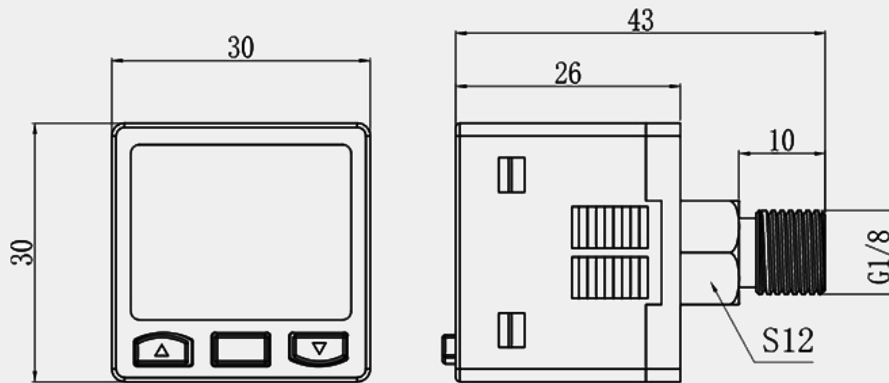
Digital pressure switch
Multiple output modes are available



Product parameter

Pressure range	(-100~100kPa)	(-100~1000kPa)
Withstand voltage	3 times	1.5 times
Repeatability	Plus or minus 0.3% F.S	
Comprehensive accuracy	±1%F.S	
Stability	<±0.5%F.S/ year	
Operating temperature	0~50°C	
Storage temperature	-10~60°C	
Measured medium	Non-corrosive dry gas	
Rated operating voltage	10~30VDC	
Current consumption	Less than 20mA(without load)	
Switching output	<NPN output type >:NPN open collector transistor maximum current :100MA, voltage drop: less than 1.5V <PNP output type >:PNP open collector transistor maximum current :100MA, voltage drop: less than 1.5V	
Analog voltage output	1~5V±2% (limited voltage output type)	
Analog current output	4~20mA±2%(limited current output type)	
Output work	Always open/always closed	
Reaction time	2.51511025250500 1000 5000ms	
Attachments	CN-14A-C2(with connector cable, 2m)	

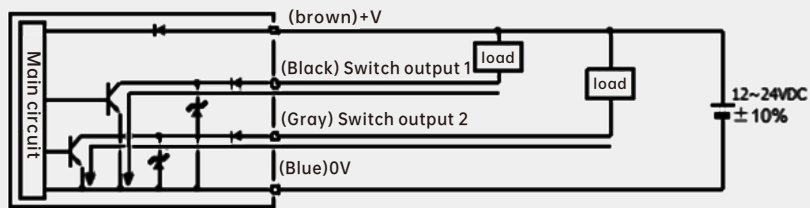
Size specification



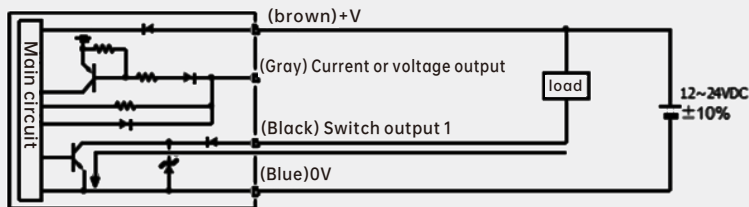
Wiring guide

NPN output type

(Standard type)

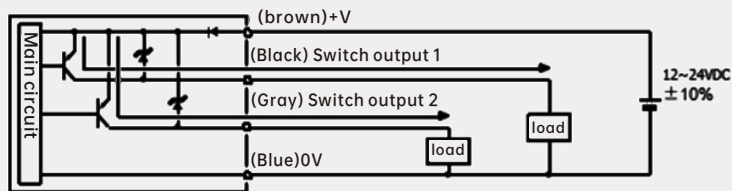


(High function type)

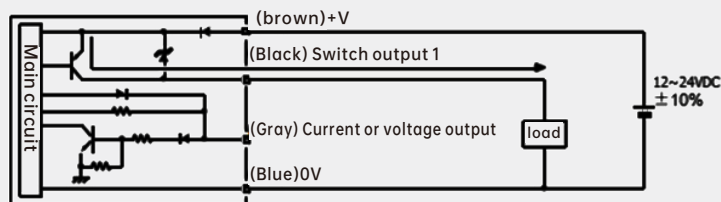


Relay output type

(Standard type)



(High function type)



ESD10-Selection composition

Selection example **ESD10** **A** **G** **J** **N** **S**

1 2 3 4 5

1.Range range	A	-100~100kPa/-100~1000kPa
2.Output mode	G	Standard type (two-way switch)
	H	Current output type
	I	Voltage output type
3.Interface type	J	R1/8+M5 internal thread
	K	G1/8+M5 internal thread wire
	L	M5 internal thread
4.Switch type	N	NPN
	O	PNP
5.Special case	S	Without special circumstances
	C	Special specification
	B	Custom specification

Instructions:

Indicates that the LW-HS digital pressure switch has a measuring range of -100~100kPa/-100~1000kPa. The output mode is standard type (two-way switch quantity), the interface type is R1/8+M5 internal thread, the switch type is NPN, no special circumstances.

Product certification

Compliance and approval; Ludwig pressure switches meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;