

Main Specifications

▼ **Size**
2.5" , 3" , 4"

▼ **Installation type**
Bottom mount / Embedded with edge

▼ **Electrical connection**
Direct wiring / Plug-in connector

▼ **Pressure range**
-0.1~0~0.6...1...1.6...2.5...6...
10...25...40...160 MPa

▼ **Connection**
Material: Stainless steel 304
1/4" PT
1/4" NPT
1/2" NPT
G1/2"
Other thread specifications please specify

▼ **Applicable media**
Gases or liquids compatible with SS 304

▼ **Working temperature**
-20°C to 80°C

▼ **Protect level**
IP65

Other Specifications

▼ **Case material**
SS 304

▼ **Screen display**
4-digit LED

▼ **Update frequency**
5 times / second

▼ **Pressure unit**
MPa, kgf/cm², psi
(or kPa, kgf/cm², psi)

▼ **Alarm method**
Dual relay signal
(each group normally open and normally closed)

▼ **Power supply voltage**
12VDC / 24VDC / 110VAC /
220VAC / 380VAC

▼ **Alarm range**
1%~99% adjustable

▼ **Overload pressure**
Range x2 (<10MPa)
Range *1.5 (>10MPa)

▼ **Load capacity**
220VAC 5A / 24VDC 5A

▼ **Accuracy**
±0.5%F.S.
±1.0%F.S. (100~160 MPa)

▼ **Long-term stability**
±0.25%F.S. / year

▼ **Electrical protection**
Reverse polarity protection, anti-battery interference design

Digital Pressure Switch

Model: DPS-X829

Introduction

The DPS-X829 is an intelligent digital pressure switch that integrates pressure measurement, display, and control. It can be set up with two normally open and normally closed alarms, and can also achieve high and low pressure control for two channels. The design focuses on stability, taking into account the actual conditions on-site, and features strong resistance to electromagnetic interference, surge protection, and reverse connection protection. It is suitable for applications in automated production lines, hydraulic system, and other fields.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

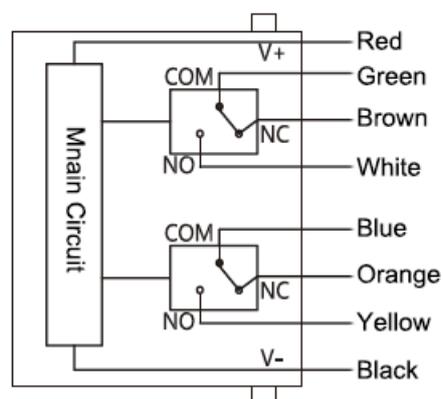
Features

- OEM service
- Features multiple functions such as one-key reset and three display unit switching.
- Capable of achieving two independent pressure alarms or controls.
- Various wiring methods, can be used as a controller, switch, or digital pressure gauge.
- Adjustable sampling rate.
- Custom transmitters can be made according to industry needs.

Wiring diagram

Power cable	Red Black (no polarity)
First alarm AL	Brown (normally closed) White (normally open) Green (common terminal)
Second alarm AH	Orange (normally closed) Yellow (normally open) Blue (common terminal)

Note: The definition of the output line is based on the actual product label. The image above indicates the status of each wire after power is applied. The default state of Relay 1 will switch before and after power is applied.



How to order

DPS-X829 Digital Pressure Switch									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
04	Size	025	2.5"	03	3"	04	4"	—	—
A	Installation type	A	Bottom mount	BDC	Embedded with edge	—	—	—	—
D	Electrical connection	D	Direct wiring	M	Plug-in connector	—	—	—	—
2N	Connection	2P	1/4" PT	2N	1/4" NPT	4N	1/2" NPT	G4	G1/2"
		O	Others	—	—	—	—	—	—
Custom	Pressure Range	-0.1~0~0.6...1...1.6...2.5...6...10...25...40...160 MPa							
24	Power supply voltage	12	12VDC	24	24VDC	110	110VAC	220	220VAC
		380	380VAC	—	—	—	—	—	—
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						

Order example: DPS-X829 - 04 - A - D - 2N - (0~50MPa) - 24 - /B