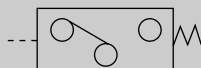


Discontinue

Electronic pressure switch with protection BOX

PPD-A Series

Reinforced strength equivalent to protective structure IP67
Can be operated by a wet hand



RoHS

Features

- Equivalent to protective structure IP67
- Protective functions ensured full-time
Settings possible even when wet
No need to open case
- With push-in joint
Light weight due to resin case and push-in joint

Specifications

Descriptions	PPD-A-P10PKN-H	PPD-A-P01AKN-H	PPD-A-V01AHN-H
Pressure sensitive element	Carrier diffusion type semiconductor pressure sensor		
Working fluid	Air, non-corrosive gas		
Type of pressure	Gauge pressure		
Rated pressure range	0 to 0.98MPa	0 to 98kPa	0 to -100kPa
Min. display digit	0.01MPa	1kPa	
Withstanding pressure	1.47MPa	196kPa	196kPa
Leakage amount	1cm ³ /min. (ANR) or less		
Indicator	21/2 digit red LED display character height 8mm		
Display precision	± 2%F.S. (25°C)		
Temperature characteristics	± 4%F.S. (0 to 50°C)		
Power voltage	12 to 24 VDC ±10% (ripple ratio 1% or less)		
Current consumption	50mA or less		
Output responsiveness	Approx. 5msec		
Output type	NPN transistor open collector output 1 point		
Output rated	MAX 30 VDC 100mA		
Voltage drop	1.2V or less		
Set point holding	EEPROM		
Lead wire	Oil resistance vinyl code 3-conductor (0.2mm ² isolator outer diameter ϕ 1.1) 1m		
Working temperature	0 to 50°C		
Use humidity	0 to 85%RH (no dew condensation)		
Mechanical vibration proof	10 to 55Hz compound amplitude 1.5mm, 2 hour per X, Y, Z direction		
Protective structure	IP67 or equivalent		
Weight	120g		
Port	Push-in joint (applicable tube appearance 6mm) Recommended tube: F-1506, U-9506		
Atmospheric release port	Barbed joint Recommended tube: FH-3224, U-9532, U-9504		

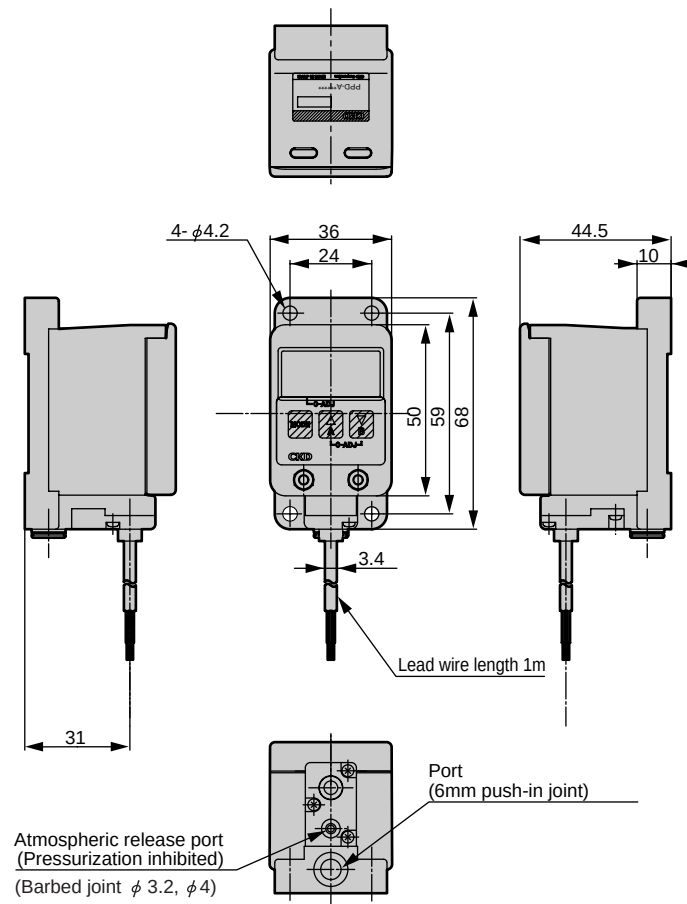
How to order

PPD-A - P10PKN - H

A Pressure range	
P10PKN	0 to 0.98MPa
P01AKN	0 to 98kPa
V01AHN	0 to -100kPa

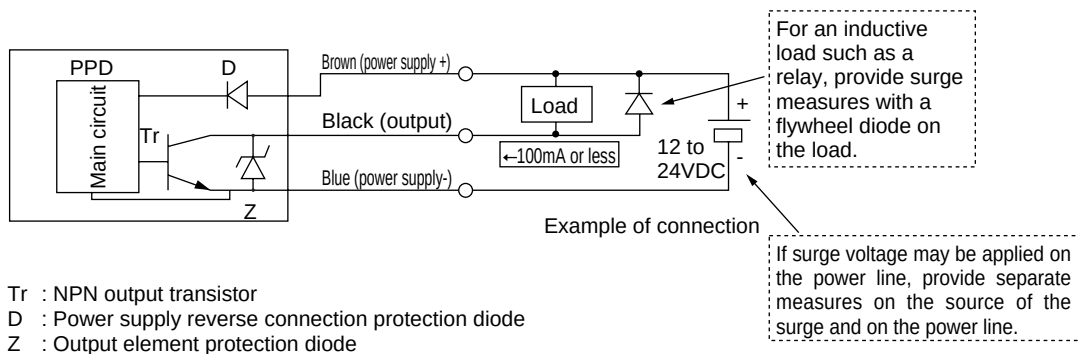
<Example of model number> PPD-A-P10PKN-H Pressure range 0 to 0.98MPa with protection BOX

Dimensions



Refer to Safety precautions of PPD-A Series on pages 1089 to 1091 for precautions.

(Internal circuit and connection method)



Refrigerating type dryer
Desiccant type dryer
High polymer membrane dryer
Air filter
Auto. drain / others
F.R.L. (Module unit)
F.R.L. (Separate)
Compact F.R.
Precise regulator
F.R.L. (Related products)
Clean F.R.
Electro pneumatic regulator
Air booster
Speed control valve
Silencer
Check valve / others
Joint / tube
Vacuum filter
Vacuum regulator
Suction plate
Magnetic spring buffer
Mechanical pressure SW
Electronic pressure SW
Contact / close contact conf. SW
Air sensor
Pressure SW for coolant
Small flow sensor
Small flow controller
Flow sensor for air
Flow sensor for water
Total air system
Total air system (Gamma)
Ending

Electronic pressure switch
Pressure sensor