DOOZEN
Specilize in Switch&Sensor

# W4

## Pressure Switch



W41



W43



W45

## Summary

Series W4 pressure switches convert a pressure signal to an electrical output.
In response to a change in pressure, movement of an elastomeric diaphragm opens or closes an electrical circuit based on a predetermined pressure set point. The Series W4 features cost effective, snap-acting electrical switches.

Series W4 switches assure control stability through wide and variable temperature and humidity conditions and assure un-interrupted service under extreme shock and vibration. Pressure ranges as high as10Mpa are available.

As with all Doozen products. series W4 switches provide superior performance and 100,000 cycle life under full mechanical, electrical and thermal loads.

## Feature

- Customer Engineered Solutions
- Wide Variety of Pressure Medium
- Single Pole/Double Throw
- Historically Proven Reliability
- W42 model with Check valve
- W43 model with quick connection

## Applications

Commonly used as an interlock device to sense air, gas or water pressure at a specific point

- Water purifier
- Coke machine
- Waste oil heating systems
- Food processing equipment
- Other electrical equipment in pneumatic, gas, or fluid flow systems

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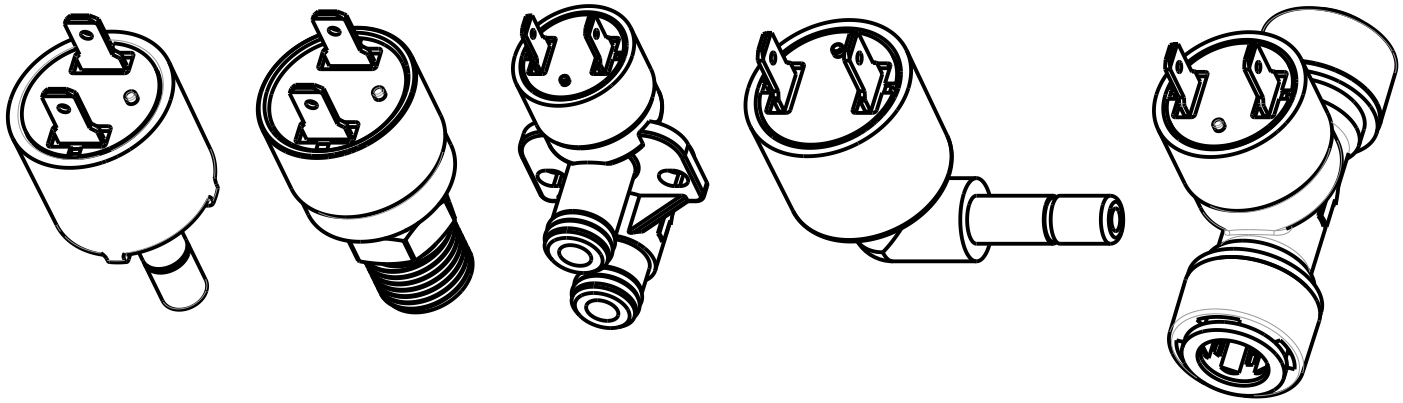
## Pressure Switch

## Standard Specifications

| | |
|---|---|
| **Mechnical** | |
| Body | Glass filled PA66 |
| Diaphragm | EPDM/SUS301 |
| Terminals | Brass 4.7X0.8mm |
| Contacts | Golden plated |
| Switch Type | SPST-NO |
| Life | 100,000 cycles |
| Max Operating Pressure | 30 Bar (435 PSI) |
| **Functional** | |
| Setting Point (ON) | 0.1~0.5Mpa (Customizable) |
| Setting Point (OFF) | 0.01~0.3Mpa (Customizable) |
| Operating temperature | -2C to 85C |
| Deviation of Setting | +/-0.05 Mpa |
| Medium: | Air or Liquid |
| **Electronical** | |
| Initial resistance | 50 ohm Max |
| Amperage | 0.1A |
| Voltage | 24V DC or 125/250V AC |

## Type Selection

W41 W42 W43 W44 W45




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