DOOZEN
Specilize in Switch&Sensor

WS1

Steam Pressure Switch





Summary

The WS1 model water pressure switch is a compact, high-temperature-resistant pressure switch. The product body is made of nylon material and utilizes an overmolding process to securely connect the body with the brass joint, ensuring robust construction and the ability to withstand temperatures up to 110°C.
The internal switch employs a simple spring plate structure, enabling a wide pressure differential range of 0.05 MPa to 0.1 MPa. The product offers reliable performance at a low cost.

The Series WS1 is a SPDT-NC type switch, the pressure ranges setting from 0.1Mpa to 0.3Mpa

Series WS1 switches assure control stability through wide and variable temperature and humidity conditions, especially in high temperature steam.

Feature

- Customer Engineered Solutions
- Wide Variety of Pressure Medium
- High temperature resistance
- Brass port connection
- 0.5Bar pressure differential setting

Applications

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

- Pump protection
- Water Boiler equipment
- Food processing equipment
- Other electrical equipment in pneumatic, gas, or fluid flow systems

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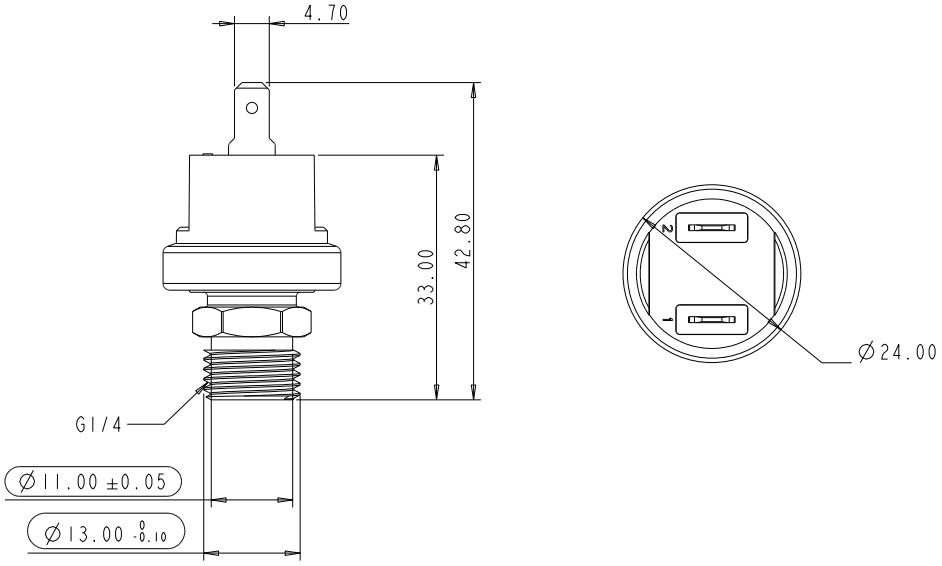
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Standard Specifications

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

Dimensions



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