DOOZEN
Specilize in Switch&Sensor

C1

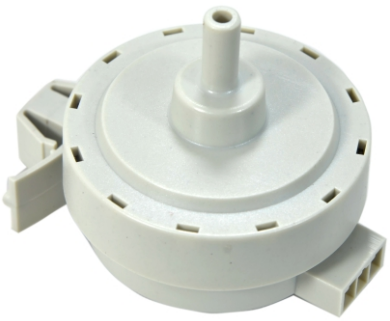
Pressure Sensor



C1-1



C1-2



C1-3

Summary

Series C1 pressure sensor convert a pressure signal to an electrical pulse output.
In response to a change in pressure, movement of an elastomeric diaphragm lead the magnetic core in or out the electrical coil, so the LC oscillator circuit will change the frequency accordingly.
The Series C1 features cost effective, snap-acting electrical Sensor.

Pressure ranges as low as 10mmH_2O up to 1000mmH_2O are available. Series C1 sensor assure control stability through wide and variable temperature and humidity conditions and assure un-interrupted service under extreme shock and vibration.
As with all Doozen products. series C1 Sensor provide superior performance and 100,000 cycle life under full electrical and thermal loads.

Feature

- Robust construction, sensor element has no contact with media
- Special design developed for full automated manufacture including in-line adjustment of zero point and full scale valueat an attractive price
- Simple structure and high reliability
- Tough structure against environmental change
- Initial output frequency setting is optional

Applications

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

- Automatic washing machines
- Wash machines
- Dish washer
- Kitchen washing machine
- Bottle washing machine
- Sewage lifting pump
- Detection of water level for various tanks
- Detection of clogging in air conditioners, etc

Specilize in Switch&Sensor

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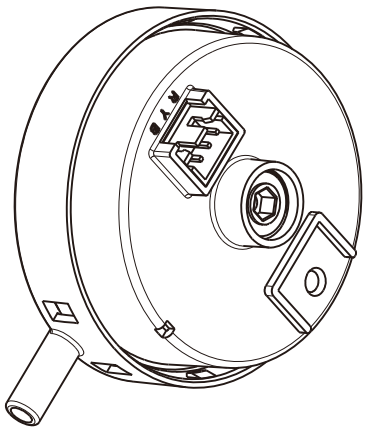
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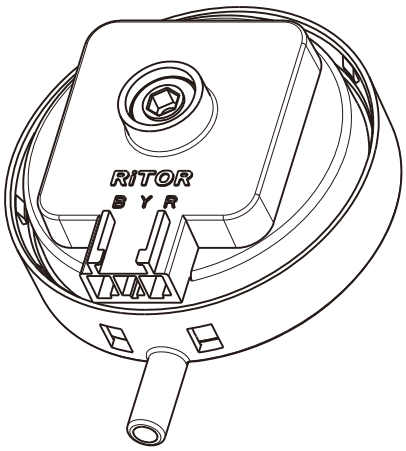
Pressure Sensor

Standard Specifications

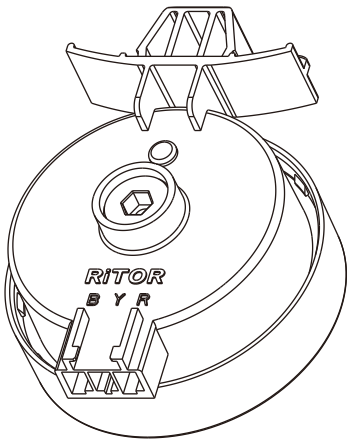
Mechnical	
Body	Glass filled PC
Diaphragm	Silicon
Output Connect	3Pin housing (2.54mm)
Life	100,000 cycles
Max Operating Pressure	50 KPa (4.3 PSI)
Port connection	Optional
Functional	
Working pressure Range	0mm H_2O~1000 mm H_2O
Operating position	Diaphragm vertical or horizontal
Operating temperature	-2C to 65C
Deviation of Setting	+/-3.0 mmH_2O
Medium:	Air or Neutral Gas
Electronical	
Input voltage	5-12 V DC
Output	Pulse (Square wave)
Output load	1.0 mA



C1-1



C1-2



C1-3

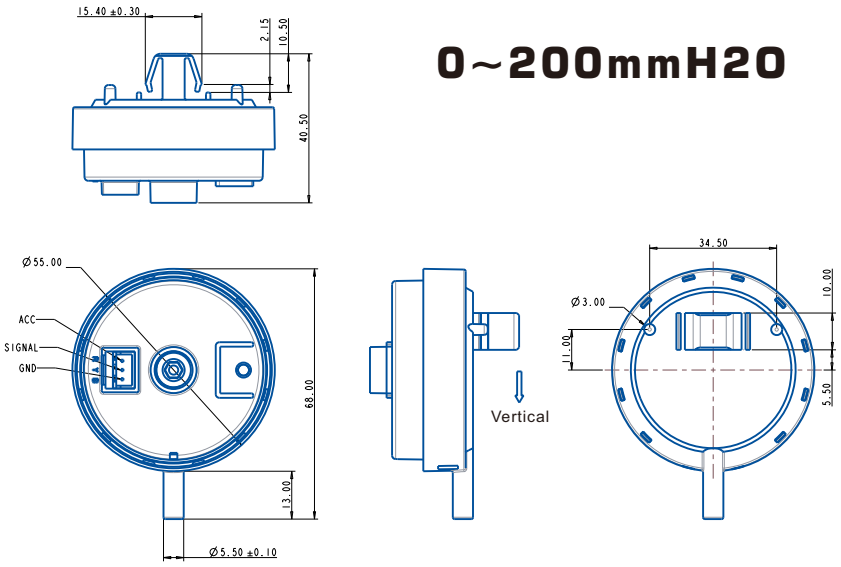
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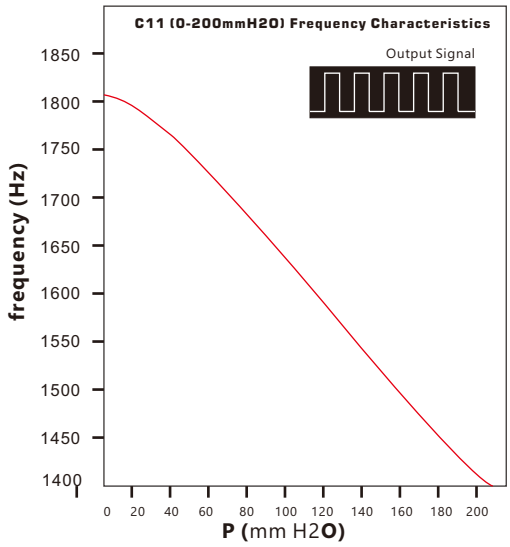
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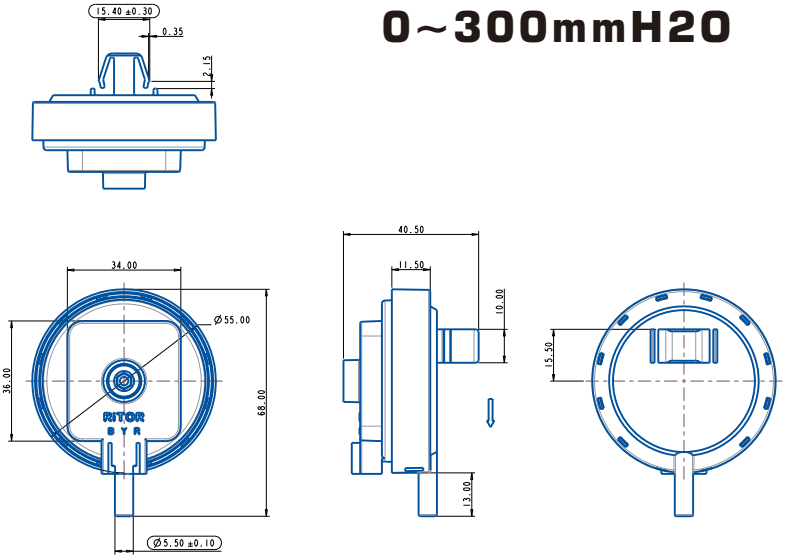
Dimensions

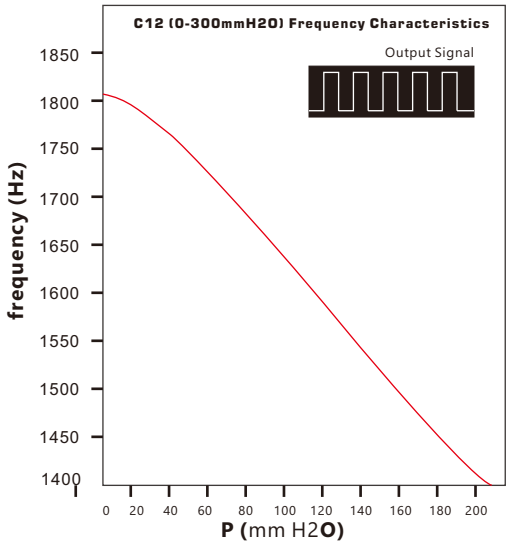
0~200mmH20



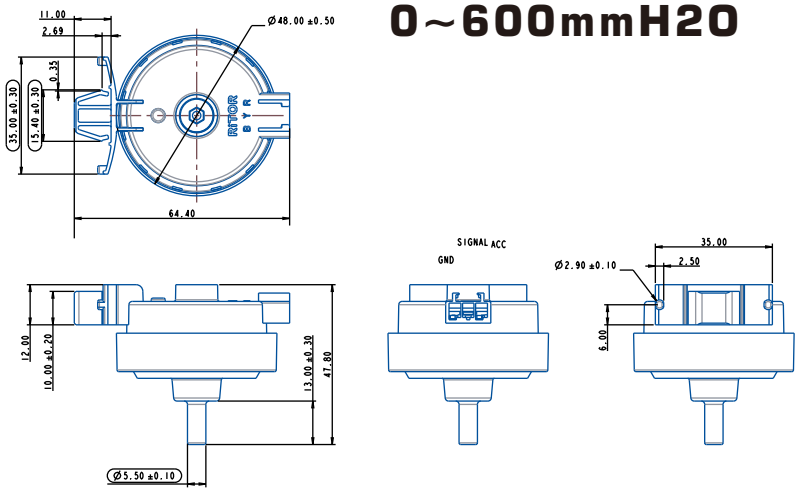


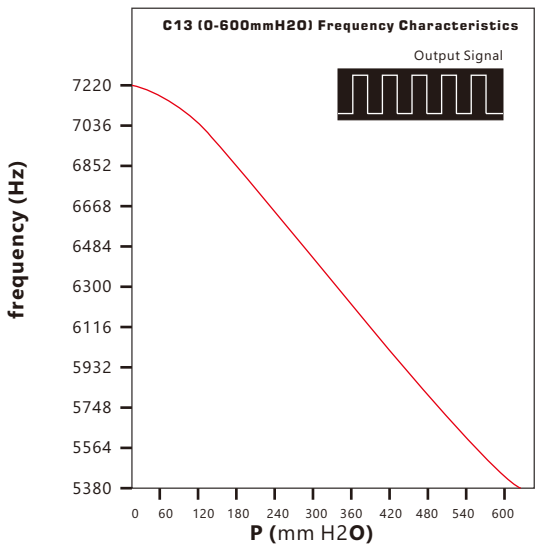
0~300mmH20





0~600mmH20



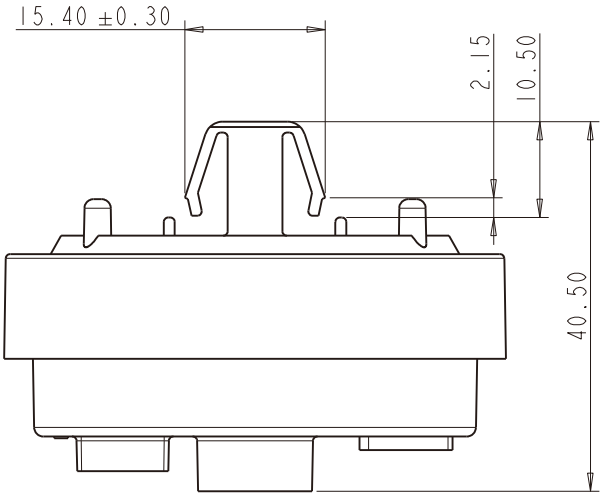


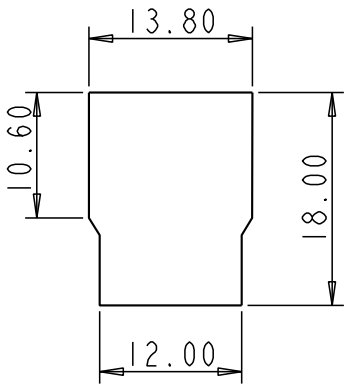
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Pressure Sensor

Selection of mounting brackets





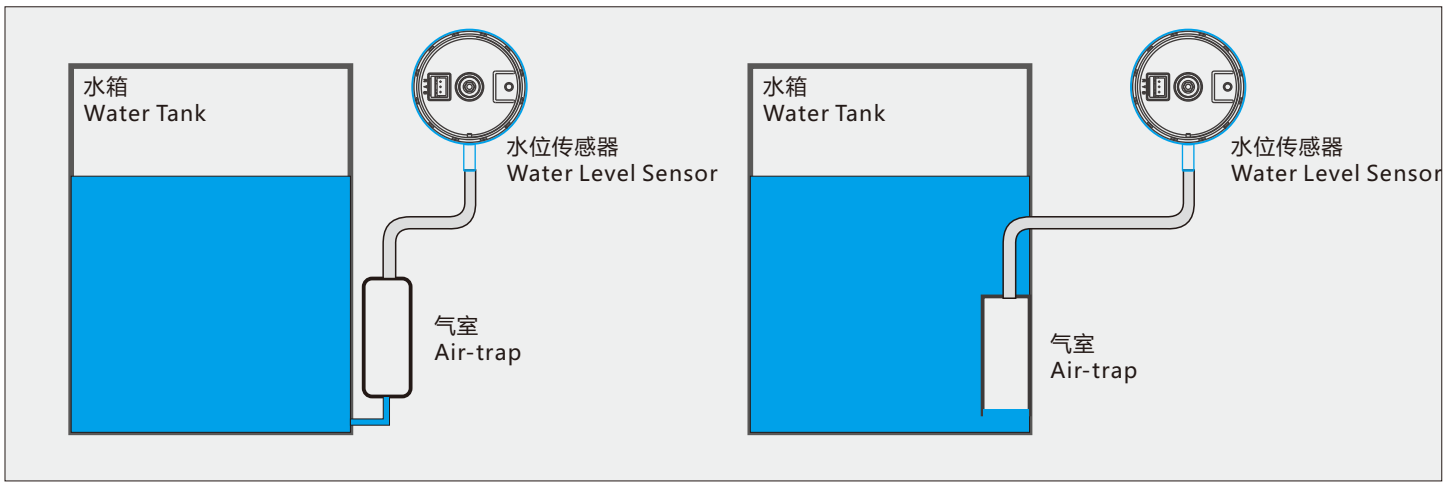
Recommended
Snap Hole Size

Metal sheet Thickness
0.7~1.2mm

Optional Features

An optional Orifice Restrictor on Negative Pressure Connector available

Install Recomandation



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