DOOZEN
Specilize in Switch&Sensor

B1

Single Water Level Switch



B1-1-3B



B1-2-3B



B1-4-3B

Approved

Summary

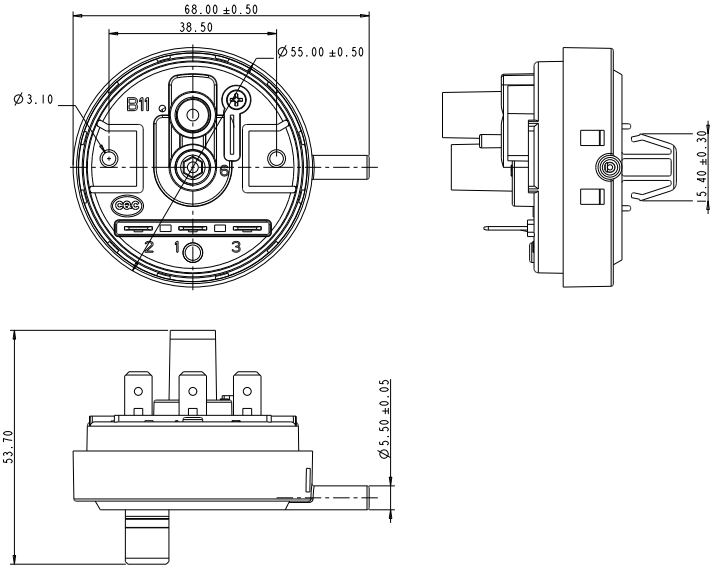
The water level switch is a water pressure detect device, used to control water level in appliances.

Additional functions allow protection of the heating element and against overflow. Used in conjunction with a suitable designed air-trap, the device switches when the water level reaches the desired level.

B1 series pressure switches are available with one main levels (changeover contacts) plus optional overflow prevention contacts. The reset levels are calibrated according to customer specifications

Feature

- Customer Engineered Solutions
- Wide Variety of Pressure Medium
- High Current Capable
- Fixed & Adjustable Set Points
- Normally Open/Normally Closed
- Single Pole/Double Throw
- Historically Proven Reliability



Applications

- Medical Equipment
- Wash machines
- Dish washer
- Kitchen washing machine
- Bottle washing machine

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Shenzhen Doozen Electronics Co.,Ltd

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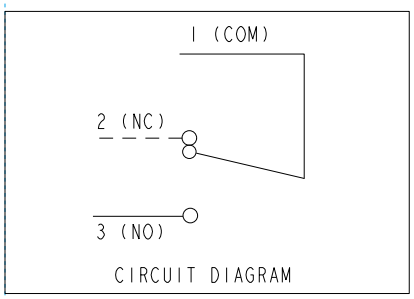
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Standard Specifications

Mechnical	
Body	Glass filled PA6
Diaphragm	Silicon
Terminals	Brass 6.3X0.8mm or 4.8X0.5mm
Contacts	Fine Silver or Golden plated
Switch Type	SPST-NO, SPST-NC, SPDT
Life	100,000 cycles
Max Operating Pressure	10 KPa (1.45 PSI)
Port connection	5.5 mm O.D
Functional	
Working pressure Range	0~1000 mm H_2O
Operating position	Diaphragm vertical or horizontal
Operating temperature	-20C to 85C
Deviation of Setting	+/-5 mm H_2O
Medium:	Air and neutral gases
Electronical	
Initial resistance	50 ,ohm Max
Amperage	From 0.1A to 16A
Voltage	24V DC or 125/250V AC



Setting Point	
Level 1	15~100mm H2O
Over flow	200~400mm H2O

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Model Selection instruction

B1 — 1 2 B 000

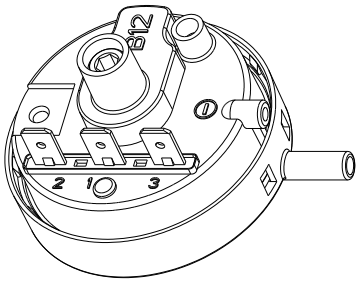
1. Model Number

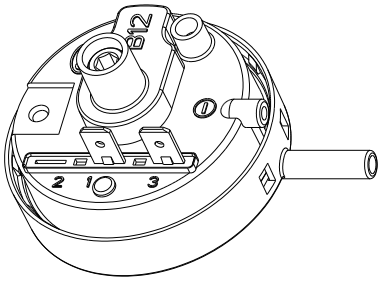
2. Port connection
   - 1: Positive port only.
   - 2: Negative port only
   - 3: Double port

3. Terminal direction
   - 1: 2 Terminal (horizontal)
   - 2: 2 termial(Vertical)
   - 3: 3 termial(Vertical)

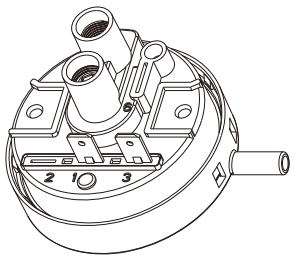
4. Terminal type
   - A: 187#(0.5*4.8mm)
   - B: 250#(0.8*6.3mm)
   - S: Special(0.8*4.8mm)

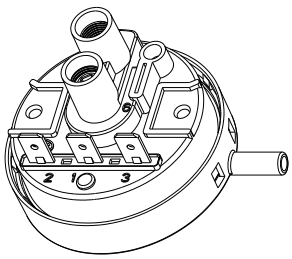
5. Custom code

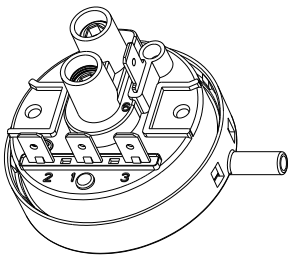


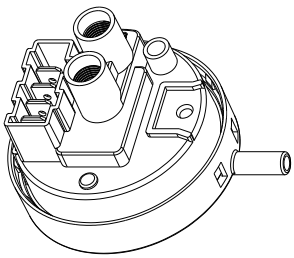


Terminal Options









The standard electrical connection consistsof male 90 quick-connect spade terminals.
The integral snap action switch is actuated by a pressure or vacuum air flow, or by a pressure or vacuum differential.
SPNO, SPNc, and SPDT terminal confieurations are available

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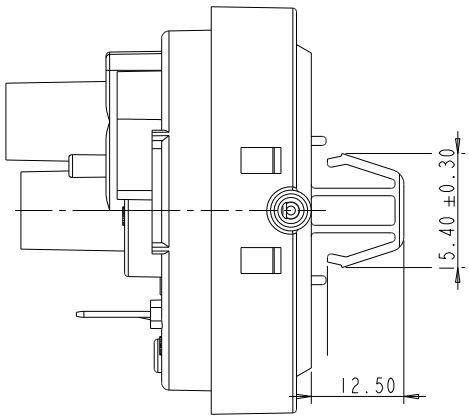
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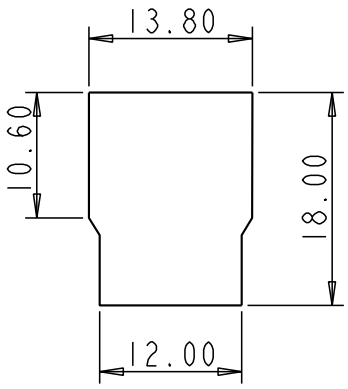
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Selection of mounting brackets





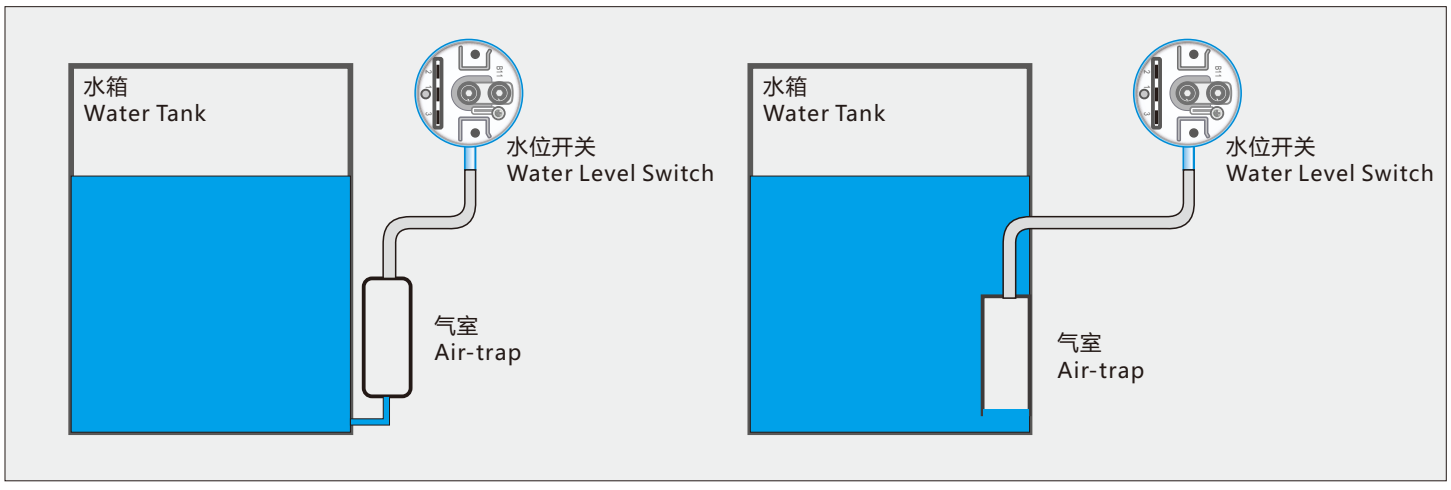
Recommended
Snap Hole Size

Metal sheet Thickness
0.7~1.2mm

Optional Features

An optional Orifice Restrictor on Negative Pressure Connector available

Install Recomandation



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