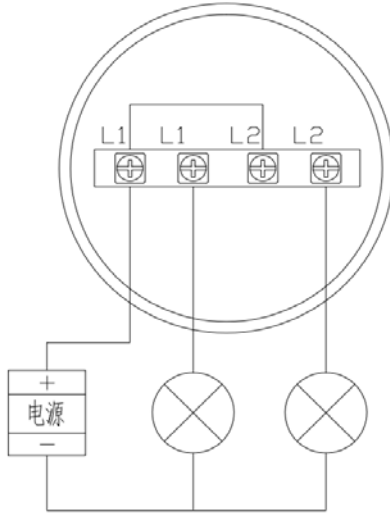


7) Wiring

1. Open the housing pass the cable through the cable inlet, and tighten the cable fixing screw at the cable inlet. Connect the cable and contact wire to the corresponding terminal according to the nameplate information on the terminal block.
2. The identification numbers on the terminal block of the terminal block correspond to the contacts of each floating ball from top to bottom from small to large.
3. After the wiring is completed, please tighten the housing cover and fix the wiring port to ensure that the junction box is waterproof.
4. The wiring control diagram in the figure below is for reference only. If other control requirements are required, the wiring method needs to be changed.



8) Daily Maintenance

1. Regularly remove the dirt on the connecting rod and the floating ball (the cycle depends on the water quality)
2. Check whether the screws on the ring buckle are loose.

9) Unpacking and Inspection

1. The packaging should be intact
2. If you find that the product is damaged or the parts fall off and loose when unpacking, please notify our company in time
3. Packing contents: 1) One product 2) One manual 3) One product certificate

Float Level Switch Instruction Manual

1) Product Introduction

The float level controller is a simple-structured, safe, dependable, and easy-to-use liquid level controller. Compared to conventional mechanical switches, it is more compact, operates more quickly, and has a longer operating life. Compared with other electronic switches, it has the characteristics of strong resistance to shock loading.. It has been widely used in shipbuilding, papermaking, printing, generator equipment, petrochemical industry, food industry, water treatment, electrician, fuel industry, hydraulic machinery and so on.

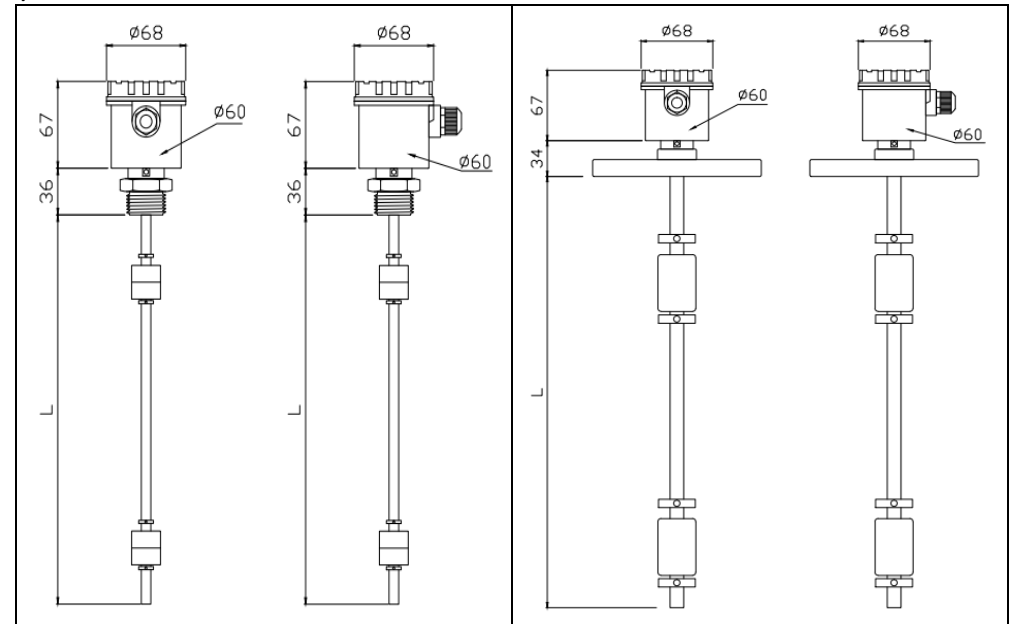
2) Working Principle

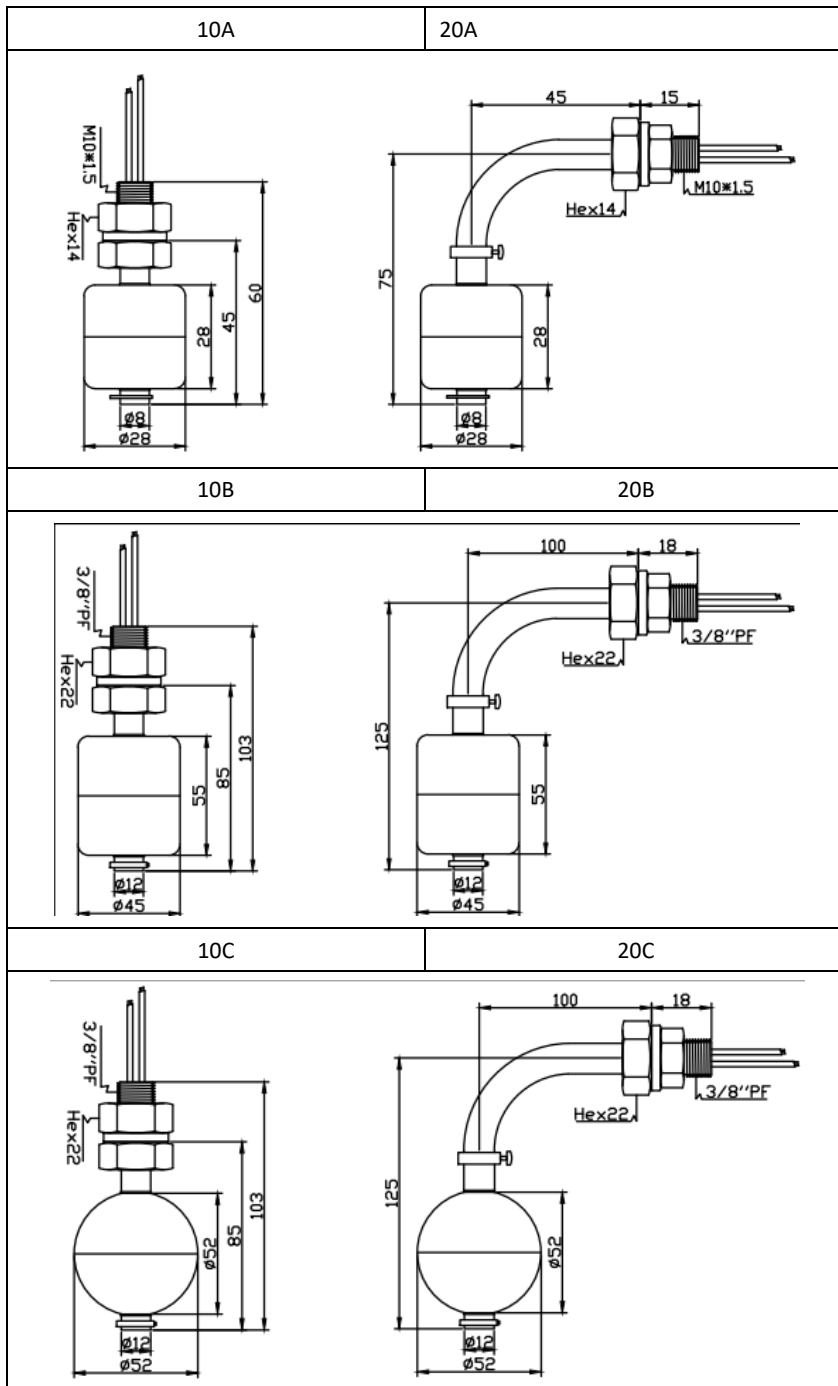
When one or more reed switches are inserted in the tube, a floating ball that passes through one or more non-magnetic ring magnets outside the sealed stainless tube will move with the liquid level as it rises and falls. The dry reed switch in the sealed tube will function to attract or disconnect and output the switch signal when the magnet of the ball aligns with the dry reed's horizontal position.

3) Technical Parameters

1. Contact capacity: 10W、30W、50W
2. Switching current: 0.5A
3. Switching voltage: 220VAC/24VDC
4. Insulation resistance: > 100MΩ
5. Working life: 1 million times
6. Work pressure: 1.0~3.0 MPa
7. Working temperature: SUS: -20~200°C PP: -10~80°C
8. Specific gravity of medium: >0.55
9. Product material: SUS304/SUS316/PP/PE/PTFE

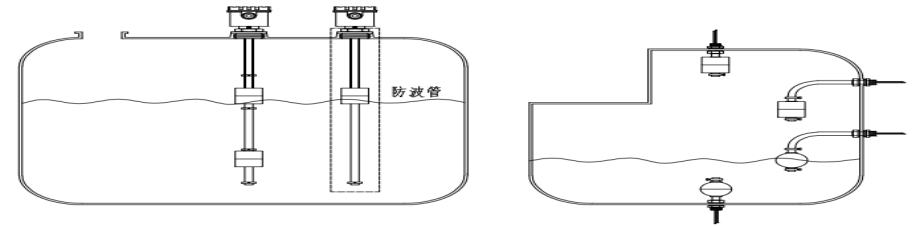
4). Product Dimension





5) Installation & Instructions

1. The installation position should be far away from the water inlet, otherwise the switch will cause malfunction due to the water inlet.
2. If the switch is installed on the concrete pool wall, an L-shaped angle steel bracket can be installed.
3. If the switch is installed in the stirring area, a wave-proof pipe or a wave-proof baffle can be installed.
4. Select the flanged connection with the inner diameter of the pipe larger than the diameter of the floating ball
5. The specific gravity of the liquid to be tested must be greater than that of the float.
6. The plastic material is suitable for acid and alkali liquids, and the metal material is suitable for high temperature liquids such as fuel oil.
7. The action point of the floating ball has been adjusted at the factory according to the customer's ordering requirements. Please do not adjust the position of the floating ball.
8. The connected load capacity must not be greater than the output point capacity.



6) Common Faults And Troubleshooting

N O	Fault Phenomenon	Cause Analysis	Method of Exclusion
1	Float does not move	1. The specific gravity of the liquid is less than that of the float	Redefine float specific gravity
		2. Float leaks	Contact our company to replace the float
		3. Solid medium stuck on float	Remove solid impurities
2	Float action but no signal output	1. Float position imitation shift	Adjust float position
		2. Damaged reed switch	Replacing the Reed Switch
3	The signal output is abnormal	Magnetic field interference nearby	Clear the magnetic field
4	Signal is maintained and cannot be recovered	The floating ball cannot be returned, and there is a foreign object stuck	Remove solid impurities
5	There will be two signal outputs at one point	Ring position movement	Adjust the buckle position

✘If it is not the above fault, please call our company to consult the technical staff.