



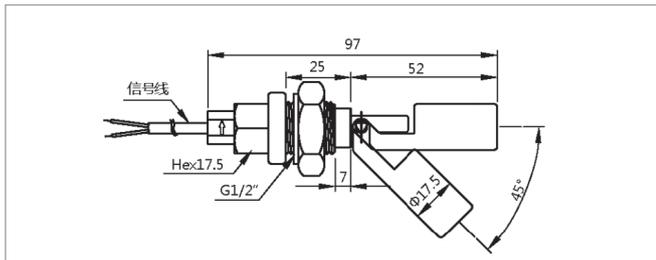
Product overview

The working principle of small floating ball liquid level switch is direct and simple. Usually will seal nonmagnetic metal or plastic tube magnetic reed switch, according to the need to set up one or more points to an internal ring hollow float fixed to the noumenon of a permanent magnet pole magnetic reed switch in related position, make the floating ball to fluctuate within a certain scope, using the floating ball in the magnet to attract the magnetic reed switch is closed, switch action, to control the liquid level. Normally open and normally closed are the switching states when no liquid is injected, which can be specified by the user. Normally, the switching state can be switched. due to its low price, reliable performance, flexible installation, choice of variety of materials are widely used in machinery, electronics, chemical industry, household appliances and other small containers of liquid level control and alarm.

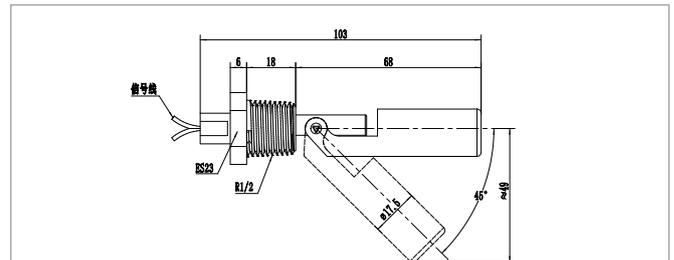
Product series



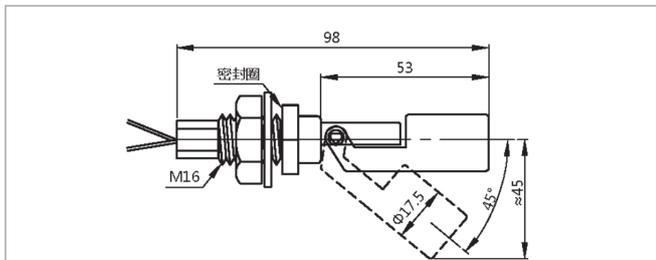
Product size and parameters (mm)



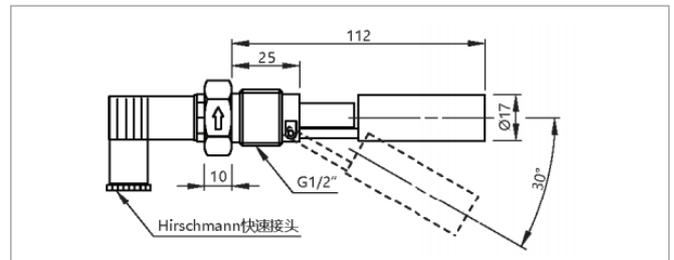
Type no. :	LC122-A
Work rate:	DC50(W)AC70(VA)
Maximum voltage:	DC200 AC240
Recommended use:	DC24V
Starting current:	0.7A
Maximum current:	1A
Maximum voltage:	0.5MPa
Than:	0.7
Outlet length:	Can be customized
Operating temperature:	-20 ~ 80 °C
Material quality:	Polypropylene PP
Installation method:	Horizontal installation



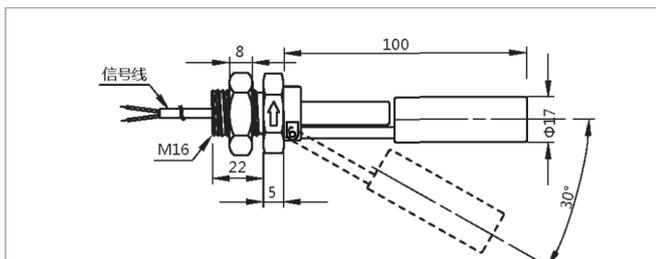
Type no. :	LC122-B
Work rate:	DC50(W)AC70(VA)
Maximum voltage:	DC200 AC240
Recommended use:	DC24V
Starting current:	0.7A
Maximum current:	1A
Maximum voltage:	0.5MPa
Than:	0.7
Outlet length:	Can be customized
Operating temperature:	-20 ~ 80 °C
Material quality:	Polypropylene PP
Installation method:	Horizontal installation



Type no. :	LC122-C
Work rate:	DC50(W)AC70(VA)
Maximum voltage:	DC200 AC240
Recommended use:	DC24V
Starting current:	0.7A
Maximum current:	1A
Maximum voltage:	0.5MPa
Than:	0.7
Outlet length:	Can be customized
Operating temperature:	-20 ~ 80 °C
Material quality:	Polypropylene PP
Installation method:	Horizontal installation



Type no. :	LC122-E
Work rate:	DC50(W)AC70(VA)
Maximum voltage:	DC200 AC240
Recommended use:	DC24V
Starting current:	0.7A
Maximum current:	1A
Maximum voltage:	0.5MPa
Than:	0.7
Outlet length:	German Hirschmann connector
Operating temperature:	-20~80°C (can be customized)
Material quality:	SUS304 SUS316 or
Installation method:	Horizontal installation



Type no. :	LC122-F
Work rate:	DC50(W)AC70(VA)
Maximum voltage:	DC200 AC240
Recommended use:	DC24V
Starting current:	0.7A
Maximum current:	1A
Maximum voltage:	1.5MPa
Than:	0.75
Outlet length:	German Hirschmann connector
Operating temperature:	-20~80°C (can be customized)
Material quality:	SUS304 SUS316 or
Installation method:	vertical installation

product installation

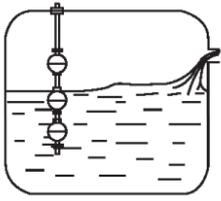


FIG. 1

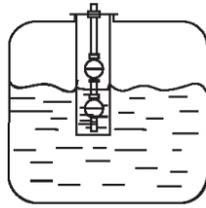


FIG. 2

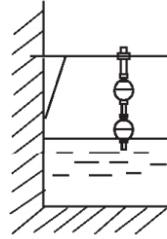


FIG. 3

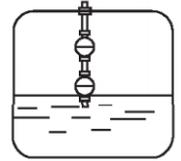


FIG. 4

The installation position should be far away from the water inlet, otherwise the switch will cause misoperation due to the fluctuation of the water inlet. If the switch is installed on the concrete pool wall, L-shaped Angle steel bracket can be installed. If the switch is located in the stirring area, anti-wave tube or anti-wave baffle can be installed. Select flange connecting pipe with diameter d greater than float diameter. You are advised to use C8mm multi-core cables.

control circuit load must match the float switch contact capacity.

measured liquid must be greater than the proportion of the proportion of floating ball, and not contain magnetic suspended in the liquid such as iron filings, etc. The action point of the floating ball has been adjusted according to the customer's requirement when leaving the factory. Please do not adjust the position of the floating ball at will.

Contact protection line

When the floating ball switch is used in a circuit with motor, relay, screw coil and other inductive loads, It is recommended to parallel protection lines such as intermediate relay, RC (buffer), rheostat and diode at both ends of the load. Note: Do not connect the float switch directly to the solenoid valve, motor or solenoid switch.

when float switch used in capacitor, incandescent light bulbs, there is a long cable capacitive load, such as between switch contact will produce a surge current; It is recommended to parallel protection lines at both ends of the float switch, such as current limiting resistor or surge absorber.

$$C = \frac{I^2}{10} \quad (\mu F)$$

$$R = \frac{E}{10 I (1 + \frac{E}{50})}$$

