RFT
RIKO Float Technology co.,ltd.

Electrode Level Switch

Reliably detects conductive liquids

Fully customized product
no standard model

DC Power Compatible
Ideal for compact equipment

PLC Direct Connection
Easy integration with control circuits

Long Service Life
No moving parts/simple structure

High Safety Performance
Low-voltage / Low-power design / High energy efficiency

Precise and Stable Control
Low electrical noise

* Images are for illustration purposes only.

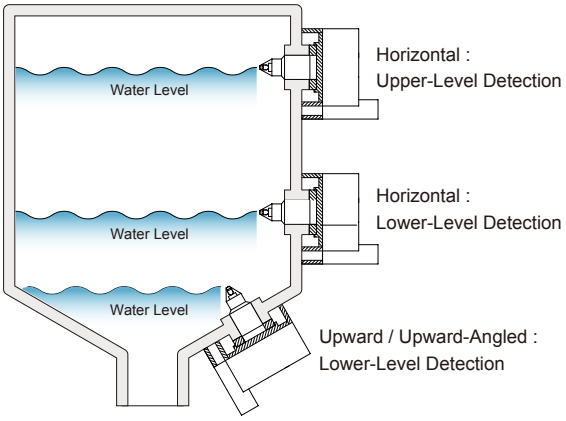
Engineered for liquid management across all industrial sectors

Reliable level detection, control & full/low-level alarms for conductive liquids

Main Applications

1. Moisture detection in fuel filters, radiators, and washer tanks
2. Water level monitoring and pump control for water and wastewater facilities
3. Liquid level control for steel, food, chemical, pharma and semiconductor equipment
4. Irrigation and agricultural water-management
5. Leakage and flooding detection in roads, tunnels, and underground areas
6. Automatic water supply and drainage in buildings
7. Boilers, cooling towers, chillers, washers, kitchen equipment, pump trucks

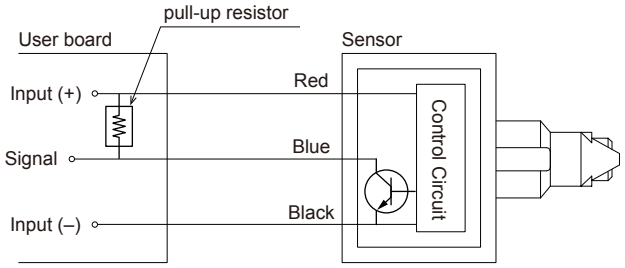
Installation Examples



Electrical Specifications (Ta = 25°C)

Item	Rating	Unit
Input Voltage	12 ± 5%	Vdc
Power Consumption	0.05 or less	W
Output Signal	NPN Open Collector	-
Signal Type	Normally Closed	-
Signal Voltage	20 or less	Vdc
Sensitivity	200 or less	kΩ
Storage Temperature	-25 to 125	°C
Operating Temperature	-10 to 100	°C

Wiring Diagram



*Specifications can be customized according to your order.

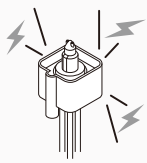
⚠ PRECAUTIONS FOR USE

To ensure proper operation, avoid the following environments and handling conditions:

NO Shock or Dropping

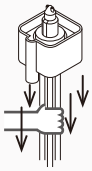
May damage internal parts and reduce overall reliability

NO Non-Conductive Liquids



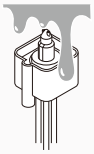
May prevent normal sensing and stop signal detection

NO Wire Pulling



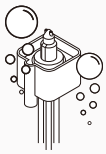
May weaken the cable joint and lead to disconnection

NO High-Viscosity Liquids



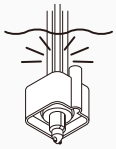
May adhere to the electrodes and cause false detection

NO Air Bubbles



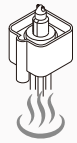
May interrupt conduction and create unstable switching

NO Water at Lead Outlet



May cause insulation failure and trigger faulty signals

NO Steam on Cable

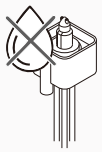


May degrade insulation and result in unstable operation

NO Strong Liquid Movement

May cause rapid on/off switching and unstable readings

NO Corrosive Liquids



May attack metal parts and shorten product lifespan

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Remarks: *Please be noted that the specifications and the appearances of the products may be changed without prior notice.
*Please accept that the colors of the products on the catalogs may appear a little different from their actual ones.

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