GOLDKOON

GWP600I2 Photoelectric liquid leakage sensor

Product Intro

- Sensitive induction, automatic reset
- High compatibility, capable of testing water,ultrapure water, oil,insulating liquids, lubricants, etc.
- Outputs switch signals, normally open or normally closed options
- Flexible adjustment of induction height

Product Intro

The GWP600I2 photoelectric water immersion sensor is commonly used in air conditioning stations, precision server rooms, cabinets, and mechanical equipment for liquid leakage and accumulation alarm systems. It is also utilized in coolant reservoir monitoring; disinfection, cleaning, and dialysis equipment leakage monitoring; and in machine tools, hydraulic systems, oil tanks, and lubricant leakage alerts. The photoelectric water immersion sensor operates using a photoelectric liquid level sensing head as the sensitive unit, employing the principle of total internal reflection. This sensor outputs as a relay switch, with options for normally open or normally closed signals.

Technical Specifications

Power supply voltage	9-24VDC
Relay output	1 SPDT, selectable between normally open & normally closed
Relay power	< 24V/ 1A
Cable length	1.6 meters (standard)
Protection grade	IP68
Connection type	Cold-press terminals
Operating environment	-20 to 70°C, 0-80% RH (non-condensing)
Enclosure dimensions	67mm*85mm
Installation method	Clip-fixed installation, immersion type

Product Certification

ISO 9001 RoHS CE FC

Reverse power supply is prohibited, regular cleaning of the sensor probe is required

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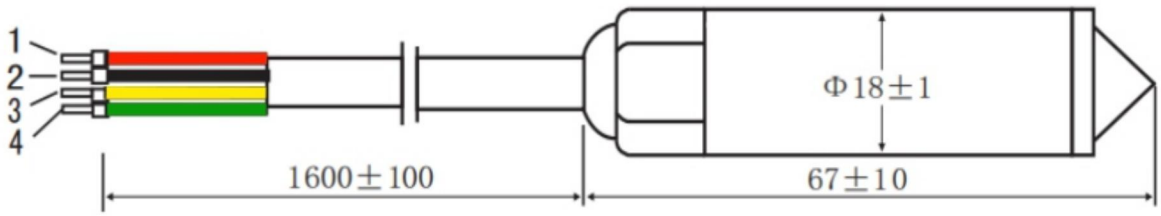
Wiring Instructions



1. Red - Positive power supply
2. Black - Negative power supply
3. Yellow - Switch contact 1
4. Green - Switch contact 2

Normally Open (NO) Mode (No liquid: Yellow and Green are disconnected; when liquid is detected: Yellow and Green are connected)
Normally Closed (NC) Mode (No liquid: Yellow and Green are connected; when liquid is detected: Yellow and Green are disconnected)

1. Reverse power supply is prohibited and should not exceed the maximum supply voltage.
2. Measurement of chloride solvents is prohibited, and opening the sensor casing is not allowed.
3. During use, it is recommended to maintain the sensor regularly (every 1-6 months) to keep the surface of the sensing head clean.
4. When immersed in liquid, it is recommended that the sensor be bound backwards together with its own cable to keep the sensing head upwards.

Caution:

Please confirm the supply voltage before powering on. Connecting the power supply in reverse or excessive voltage may cause damage to the controller.

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