

SMARTSENS1000

EARLY FLOOD WARNING SENSOR

Reliable Detection. Early Alert. Save Lives.

SmartSens1000 is an advanced early flood warning sensor designed to detect the presence of water quickly and accurately. Ideal for flood monitoring systems, it provides fast response and reliable performance in critical environments.



OPERATING PRINCIPLE:

Smartsens1000 sensor is for detecting whether there is liquid by water induction capacitor.

When there is no liquid to approach the Smartsens1000, Smartsens1000 will generate certain static capacitance because of the capacitor distribution.

The changing capacitance signal will be input and achieve signal switch, then transform the changing capacitance value into variation of certain electric signal.

FEATURES

- Sealed, waterproof and impact resistant
- Easy To Maintenance
- Fast response
- Anti- Corrosion Material

TECHNICAL DATA:

i. Input Voltage	DC 5-12V
ii. Power Consumption	5mA
iii. Response Time	500ms
iv. Operating Ambient Temperature	0~70 Celsius
v. Sensor Thickness (sensitivity) Range	0-10mm
vi. Material	UPVC
vii. Waterproof Performance	Submersible Sensor
viii. Cable length	40cm

DIMENSIONS



APPLICATIONS



Flood water level monitoring in rivers, lakes & canals



Dam & reservoir water level monitoring



Early flood warning systems



Smart city & environment monitoring



Industrial & infrastructure flood monitoring

IDEAL FOR

- ✓ Flood early warning systems
- ✓ River, lake, canal & reservoir monitoring
- ✓ Remote & unmanned monitoring stations
- ✓ Smart city & environmental monitoring
- ✓ Critical infrastructure protection

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