

# TW3205(FosLink)

Water Sensor  
Installation and Operation Manual



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## Product Safety

To prevent severe injury and loss of life or property, read the instruction carefully before installing the detector to ensure proper and safe operation of the system.



### European Union directive

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

For more information please visit the website at [www.recyclethis.info](http://www.recyclethis.info)

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## 1. General

TW3205 (Foslink) water sensor (water sensor consists of main module (communication module) and water probe) is used to check if the room or warehouse is submerged or used as water level alarm. If the probe is submerged, main module sends status information to household fire alarm controller by Foslink to achieve security alarm function. It is widely used on fire alarm occasion, such as smart home and safety protection position.

## 2. Characteristics

- It checks if the room or warehouse is submerged, which is used as water level alarm.
- The terminal reports opening or closing event to household fire alarm controller to achieve data statistics and alarm data collection.
- Data transfer is achieved by FosLink and real-time capacity is high.
- Accurate ADC sampling in the module is adopted to achieve low electric quantity and real-time measurement of electric quantity.
- Low power consumption communication module is used to keep standby current of main module <30uA.
- It is applicable to private house, warehouse, archives room, water tank and other occasions where it is required to detect water level.

## 3. Technical parameters

- Operating voltage:DC3V
- Static power:<40uA
- Alarm current:<140mA
- Indication and Operation

The module is provided with three-color status indicator and one base disengagement key.

- Installation method: Sticking
- Operation temperature:-5°C-+40°C
- Operation humidity:0-95% RH, no condensation
- Outline dimension:75mmX35mmX23mm(excluding magnet)
- Housing colour:White
- Weight: About 50g

## 4. Structural features and function description

1. Module outline dimension and installation dimension diagram as shown in Fig.1 (Unit: mm)



Fig.1 Diagram of TW3205 (Foslink) of outline dimension and installation dimension

## 2. Indicator lights and press keys description

Indicator lights:

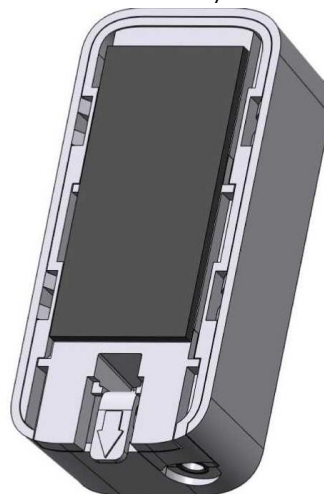
- ① Normal operation: Green lights flash once every 80S
- ② Online status: Green lights normally on for 10 S
- ③ Alarm status: Red lights flash once for 1S
- ④ Fault status: Yellow lights flash once every 80S

Press keys:

Key bouncing: water base disengagement

## 5. Installation

Tear rubber protection film on the back of water sensor, stick the sensor body onto a high position where the water cannot touch it; tear rubber protection film on the back of the probe, stick the probe onto the position where it is required to monitor the water, and then put 3.5mm plug on the other end of the probe into the main body.



## 6. Handling and storage

The equipment shall be transported, handled and stored with package. Handle with care to prevent it from being damaged. Storage environment shall be ventilated, dry. Do not store it in the open air.

## 7. Notes

- The person on duty shall grasp operating procedures of the module.
- This module is a fire protection product. Follow duty system and shifting system strictly and make running records.
- Make function test on the module every six months.
- If the fault cannot be eliminated, please contact our agent or the manufacturer. Do not disassemble the product without permission.

## 8. Contact

Thank you for selecting TW3205 (Foslink) Water Sensor. Please keep in close contact, and we will provide timely and high quality service to you