

TW3207 (FosLink)

Door Contact

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

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1. General

TW3207(FosLink) Door Contact (magnetic sensor for door consists of main module (communication function and Hall sensor)) and permanent magnet, which is used to check if the door, window and drawer are illegally opened or moved. Main module (including communication function, Hall sensor and power supply) and permanent magnet move. 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 door, window, fire water tank and water accumulator are closed.
- 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 drawer, iron gate, wooden door, fire water tank and other applications where it is required to move detection position.

3. Technical parameters

- Operating voltage:DC3V
- Static power:<30uA
- Indication and Operation

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

- Wireless communication frequency:470~510MHz
- Wireless transmission power:<17dBm
- Communication distance:1000m in open air
- Installation method: sticking
- Installation distance: <20mm
- 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)

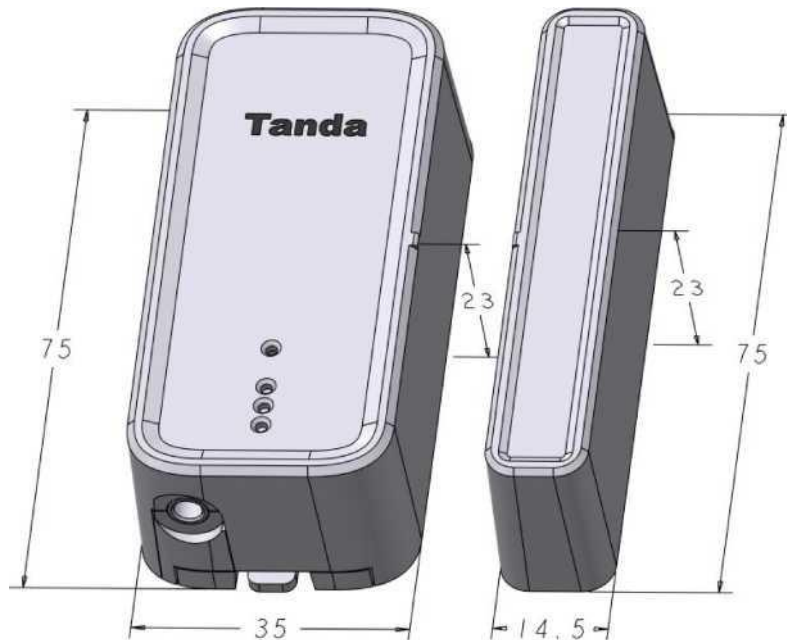


Fig.1 Diagram of TW3207 (Foslink) of outline dimension and installation dimension

2. Indicator lights and press keys description

Indicator lights

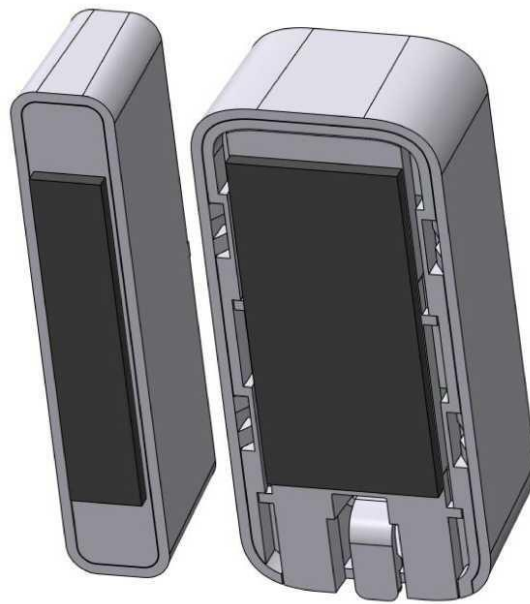
- ① Normal operation: Green lights flash once every 60S
- ② Online status: Green lights normally on for 10 S
- ③ Open-door status: Red lights normally on for 10 S

Press keys:

- ① Key bouncing: door magnet base disengagement

5. Installation

Tear rubber protection film on the back of door magnet, and then stick door magnet body and magnet onto door frame and door. Door magnet body aligns with magnet center. The distance between door magnet body and magnet is less than 20mm.



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 TW3207 (FosLink) Magnetic Sensor for Door. Please keep in close contact, and we will provide timely and high quality service to you.