TW3232

Wireless Sounder Strobe
Installation and Operation Manual

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

TW3232 Wireless Sounder Strobe (hereinafter referred to as sounder strobe), is a kind of sound-light alarm equipment installed at site. After the alarm starts, a strong sound-light alarm signal is sent to remind field staff. Built-in wireless component is stable and reliable, which can network with wireless transmitting module and fire alarm control panel. This product is applicable to hotels, restaurants, computer rooms, banks, malls, warehouses, museums, libraries, office buildings etc.

2 Characteristics

- Adopt FosLink wireless communication technology, without wiring.
- One unique ID is built in, and it can network with wireless transmission module and fire alarm control panel.
- Using multiple high-brightness LEDs as light sources, eye-catching display, long life and low power consumption.
- With sound gradient function, it can be used in a wide range of places.
- It is provided with battery under-voltage reminding function.

3 Technical Parameters

- Exec Standards: GB 26851-2011 fire sound and/or sounder strobe
  XF 1151-2014 fire alarm system wireless communication function
- Op Voltage: DC3.0V
- Sw Version: V1.0
- Operating current:
  Monitoring current: <40uA
  Alarm current: <40mA
- Flash Freq: 1.1~1.8Hz
- Pitch Cycle: 2~4s
- RF Frequency：470~510MHz
- Tx Power： ≤17dBm
- Max Comm Distance：300m in open space
- Ingress protection: IP30
- SPL (A-weighted): after starting, the sound changes from being minor to being major. Initial sound level is＜45dB. In 3～5 seconds, the sound becomes stable and sound level is 75dB~105dB at 3m right ahead.
- Light signal: with 100lx~500lx ambient light, it can be clear and distinct at 25m.
- Alarm indicator state:
  Normal monitoring: state indicator flashes once every 80s, green.
  Communication fault: state indicator flashes twice every 80s, yellow.
  Other faults: state indicator flashes once every 80s, yellow.
- Operating environment: indoors
  Temperature 0℃~+55℃
  Relative humidity: ≤95%RH, without condensation
- Color: white (astigmatism section is red)
- Weight: 165g（including batteries）
- Outline dimension: Φ100mm×H48mm (including base)

4 Structural features and operating principle

4.1 Outline dimension diagram of the indicator as shown in Fig.1 (unit: mm)

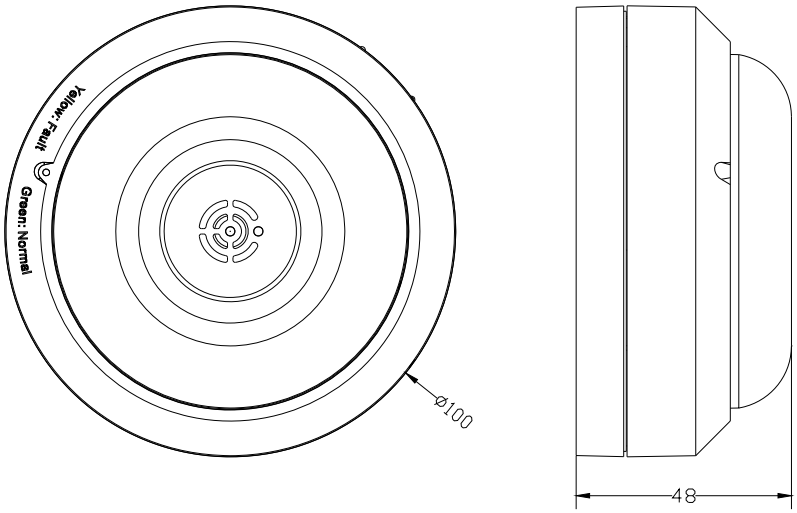

Fig. 1: Sounder strobe outline diagram

4.2 Alarm base dimension diagram, as shown in Fig. 2 (unit: mm)

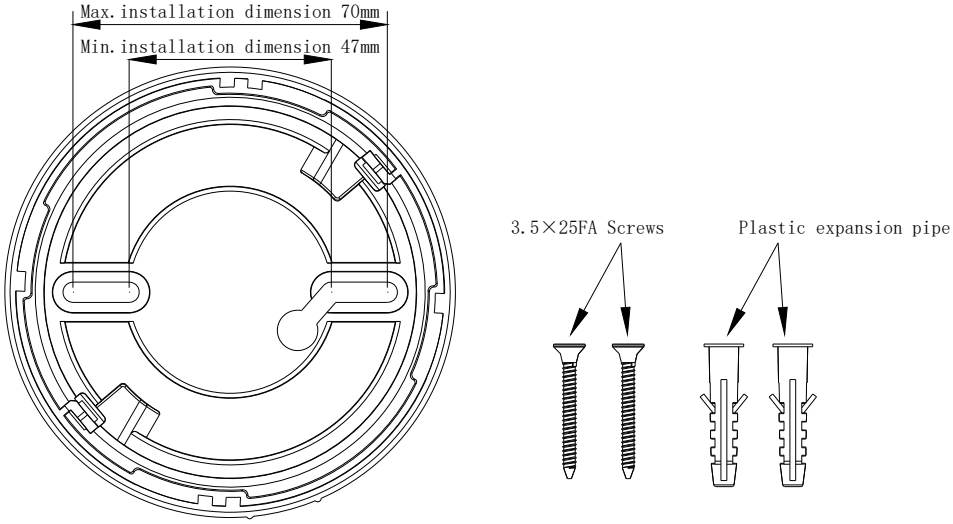

Fig. 2: Sounder strobe base and fixed accessories

4.3 Operating principle

This product mainly uses the resonance principle to achieve sound and light alarm. When a networked control panel or wireless gateway sends an interlock signal and it is received by the integrated wireless module, the sound and light drive circuit is activated to emit audible and visual alarm signals, thereby alerting the personnel on site.

5 Installation instructions

1. Appropriate installation position: a handheld device is used to detect networking signal (wireless signal transmission between sounder strobe and control panel may be affected by the environment, such as wall blockage and absorption and interference from other wireless signal etc. Signal intensity will reduce substantially). The sounder strobe is installed where network signal is the best. Installation diagram of the alarm is as shown in Fig. 3. The sounder strobe base is installed on the wall with plastic expansion pipe and 3.5×25FA screws. Installation hole spacing is as shown in Fig. 2.

2. Put the battery into the battery case of the sounder strobe and insert power plug into power interface of the alarm; then send linking command to the sounder strobe, and the sounder strobe sends sound-light information. If it is abnormal, check if the battery is installed correctly or the voltage is too low.
3. After the sounder strobe is tested well, it is placed in the base and fastened by clockwise rotating.

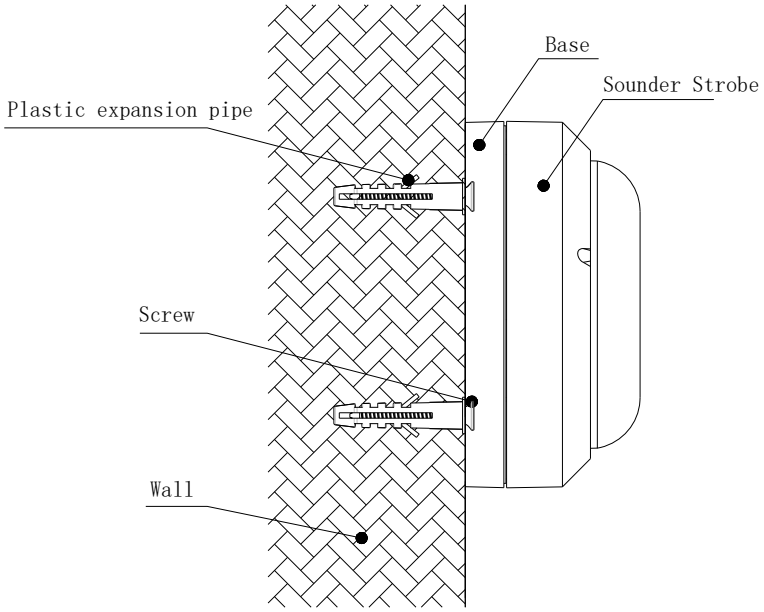

Fig. 3 Sounder strobe installation diagram

6 Usage and Operation

6.1 Registering and networking

Connect wireless transmission module with the computer through Type-C data cable,, click "Add" through Foslink gateway configuration software, select monitoring front end ID, long press releasing key of the sounder strobe base, yellow light flashes, and then release the key. After Foslink gateway configuration software displays equipment ID, add it to the gateway. Now observe equipment ID in configuration software and equipment state.

6.2 Delete equipment

On FosLink configuration software, select the equipment and click "Delete" to delete wireless fire sounder strobe from wireless transmission module.

For details, please see "Operation Manual of FosLink configuration Software".

7 Product safety notes

1. This product is installed in an indoor environment and is not allowed to be installed in an outdoor or corrosive environment;
2. This product is installed in low-interference environment and is far away from large electric equipment;
3. This product needs to be tested for alarm function regularly. If any fault is found, please repair it in time;
4. In the environment with high temperature, high humidity, and weak signals, service life of the battery will be shortened;

5. This product will report an under-voltage fault if the battery voltage is lower than DC2.7V. It can maintain operation for 4 hours after reporting an under-voltage fault. Please replace the battery in time;

6. The battery used in this product is non-rechargeable. It is strictly forbidden to charge or short-circuit the battery;

7. If any fault occurs, the user shall not dismantle or repair it. Please inform our company or local agency, we will solve it in time.

8 Notes for battery safety

1. It is forbidden to charge-discharge, squeeze or burn the battery;

2. It is forbidden to use seriously damaged or deformed battery;

3. It is forbidden to use or heat the battery beyond allowed temperature range;

4. The user is forbidden to remove the battery voluntarily;

5. It is forbidden to weld the battery surface directly;

6. When replacing the battery, please use special battery from original factory or other batteries of the same specification. Otherwise, it may lead to fire or explosion.

9 Common fault and troubleshooting

Problem	Troubleshooting
The product does not work	Check if green light flashes. If not, please check if the battery is installed correctly.
Under-voltage fault	Replace the battery.