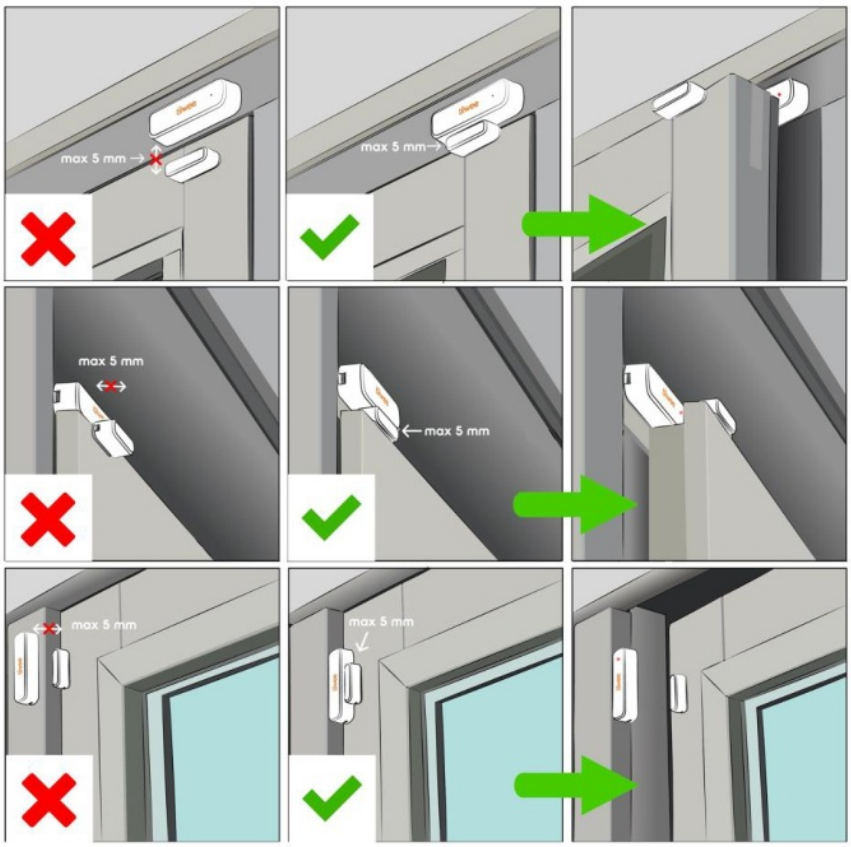
tiiwee TWWS03 Window Sensor User Manual

TWWS03 Window Sensor
User Manual



Tawie window sensor 03 (For indoor use only)
For the Tawie Home Alarm System

Contents

Introduction

Congratulations with your tiiwee window sensor 03. It is intended to be used in combination with the components of the Tiiwee Home Alarm System and can be wirelessly connected to all Tiiwee 433 MHz Sirens.
IMPORTANT: Please assure that the distance between magnet and sensor does not exceed 5 mm. The triangles on the door sensor and the magnet are alignment aids. They must face each other at a distance of a maximum of 5 mm for the door sensor to work optimally.

Product Overview and Operation

The tiiwee window sensor 03 consists of a magnet and a sensor which contains a detector for changes in magnetic fields ('flux'). When the magnet moves away from the sensor, the detector detects that motion and sends a wireless signal to the Tiiwee Siren immediately. The Tiiwee Alarm unit now emits a loud alarm sound or a chime depending on the settings of the siren.

Connecting the Door & Window sensor to an Alarm Siren
This door & window sensor is compatible with the Tiiwee Home Alarm System.
Connect it wirelessly with one of the 433 MHz Tawie Alarm Units.
The instructions for pairing the Door & Window sensor with the Tiiwee Home Alarm System are included with the Tiiwee Alarm Kit manuals. The manual is included with each kit. It can also be downloaded from our website www.tiiwee.com. Also detailed instructions can be found one of our YouTube channels.
Installation: General Installation Guidelines

- Do not install the sensor near magnets or magnetic devices – this may cause the alarm to be activated accidentally.
- Clean all surfaces carefully before installation.
- The principle of the system is that an alarm is triggered when the sensor and magnet are separated because the window or door is opened.
- If possible, mount the sensor on the door frame and not on the door or window itself. This position reduces the

wear and tear that occurs when windows and doors are closed (shocks. This increases the service life of your sensors.

Installation of the Door & Window Sensor

IMPORTANT – PLEASE NOTE:

- It is essential that the sensor and magnet are aligned correctly and are at the same level using the triangle marks.
- The distance between the sensor and the magnet should not exceed 5mm.

How to mount a door sensor (please see the inside of the front page)
Image 1: Door and doorpost are at the same level. Position the sensor and magnet next to each other. Now, position the magnet and sensor so that the triangle markers are close to one another.
Image 2: The door is protruding relative to the doorpost. Mount the magnet sideways on the top of the door. Now, position the sensor on the doorpost at a distance of a few millimeters from the magnet. Make sure the triangle markers are close to another.
Image 3: The doorpost is protruding relative to the door. Mount the sensor sideways on the doorpost. Now, position the magnet on the door at a few millimeters distance from the sensor. Make sure the triangle markers are close to another.

Installation

- Make sure that both the installation surfaces are clean and free from grease and dust.

Magnet:

- Installation with screws: remove the back panel from the magnet by sliding the panel off. Then, position the back panel at the desired position. Now, after the magnet back panel has been mounted, put the magnet on the back panel and slide it downwards until it is in its final position.
- Installation with double-sided tape: peel off the protective foil from one side and stick the tape onto the magnet. Then, peel off the other part of the protective foil and stick the magnet onto the door or doorpost.

Sensor:
Before installation, please refer to the installation guidelines as described before.

- Sideways installation and installation with double-sided tape: Peel off the protective foil from one side of the tape and stick the tape onto the sensor. Then, peel off the other part of the protective foil and stick the sensor onto the door or doorpost. Secure the sensor with the included screw at the bottom of the sensor.
- Installation with screws: Slide the sensor upwards and remove it from the back panel. Then, position the back panel at the desired position. Now, place the sensor on the back panel and slide it downwards. Secure the sensor with the screw at the bottom of the sensor.

Test your door sensor

1. After the installation, open the window or door.
2. The red indicator light on the front of the sensor flashes once.3. The sensor is now correctly setup.

Battery lifetime and low battery voltage

The expected battery lifetime is 10-12 months under normal conditions. We recommend to check the battery regularly and to replace it at least once a year.
Please always use alkaline batteries.
If the red control light on the sensor is blinking or is continuously lit the battery needs to be replaced.

Replacing the Battery

- Remove the screw at the bottom of the sensor. Now slide the sensor upwards and remove it from the back panel.
- Take out the old battery and replace it with a fresh AAA alkaline battery – please note the correct polarity.
- Slide the sensor on the back panel and secure it with the screw at the bottom of the sensor.

Technical Specifications

Trade name: tiiwee window sensor 03
Model Number: TWWS03
FCC ID: 2BAP8TWWS03
Transmission Distance: 100m (Open Area)
Transmission Frequency: 433MHz
Operating Voltage: 1,5V
Sensor Size: 78×24×18mm
Magnet Size: 75×10×12mm

FCC compliance statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Documents / Resources

	tiiwee TWWS03 Window Sensor [pdf] User Manual TWWS03 Window Sensor, TWWS03, Window Sensor, Sensor

References

- Simple, Effective and Affordable Home Security Products
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