

## User manual of Wireless Door/ window Sensor

Model no.: AI113



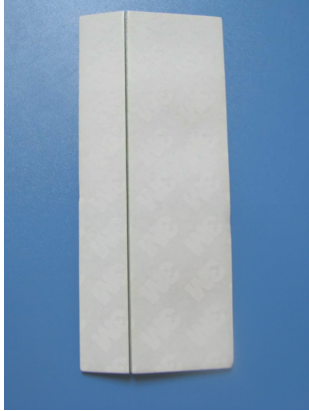
The wireless door/window Sensor are widely used in security alarm system and matched with master unit for usage. It is equipped with a magnet (movement of the magnet triggers an internal sensor in the detector). You can locate the transmitter module on the frame of the door or window, with the magnet on the moving part of the door or window, It will send RF signal to the master unit for alarming once be triggered (disconnect).

**Specification:**

1. Operating voltage: 12VDC
2. Static current  $\leq 2\mu A$
3. Operating current  $\leq 30mA$
4. Operating frequency: 433.92MHz $\pm 0.2MHz$
5. Transmitting time:  $< 3S$
6. Transmitting Field Strength:  $\leq 80.8 dBuV/m$
7. Size: 31x95x16mm (transmitting partion), 14x16x99mm (magnet partion)
8. Encode IC: EV1527
9. Modulation Mode: ASK
10. Opearating temp:  $-20^{\circ}C \sim +50^{\circ}C$
11. Battery: 12V23A
12. LED: Trigger transmitting indication

**Installation**

The wireless door /window Sensor is used to detect whether the door, windows or drawers are opened or moved illegally. It constitutes by wireless transmitting module, magnet, double faced adhesive tape (accessory). As the Figure 1 shows as follow:

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| <b>Wireless Transmitting Module</b>  | <b>Magnet</b>  | <b>Double Faced Adhesive Tape</b>  |
| Figure 1   |  | Figure 2   |

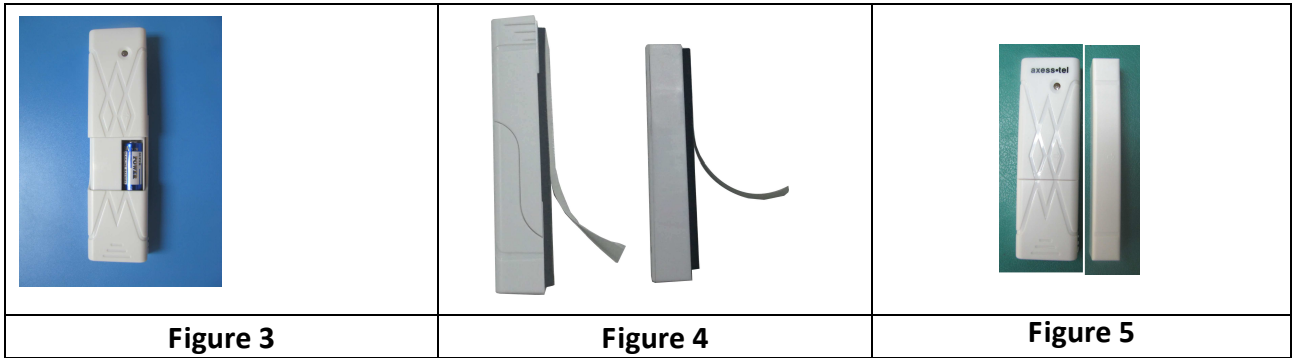
**Installation Process:**

**Step 1:** Open the packing and take out the wireless transmitting module and the battery, pull down the slip cover of the battery jar as Figure 3 shows.

**Step 2:** Fix the battery (12V 23A) into the jar and close the slip cover as Figure 3 shows .

**Step 3:** Paste the double faced adhesive tape on the back of the module and the magnet as Figure 4 shows. The module and the magnet also have screw holes so that it can be fixed by screw too.

**Step 4:** Fix the two parts on the door as Figure 5 shows. Please press them hard when paste in order to prevent dropping caused by the door's shaking.



**Attentions:**

Before sticking the module, please clean the area where you plant to stick it.

- a. Dust or humidity may cause the module fall off.
- b. Parallel the module and the magnet exactly, and the distance should be less than 10mm. Once the two parts have a distance above 20mm, the indicator light will shine and the module will send alarm signal to the unit base. Make door contact upward vertically.
- c. The magnet should be pasted at the side which is near the indicator light on the module. Make sure the light faces you. Please stick the magnet on the door and the module on the door case to prevent the module's fall which causes by the shake of the door.
- d. When the battery is out of energy, the under-voltage lamp will light, and the battery should be changed in time. Under normal circumstances, it is suggested to change the battery once 6 mouths.
- d. Please try to shorten the distance between the module and the unit base. It is suggested less than 30 meters.
- e. Try not to make the concrete wall or electrical equipments between the unit base and the module in order to prevent the signal being cut off.
- f. Keep the module dry.
- g. If the parts are found inverted, it can be pull down and stick again.
- h. After sticking the door contact, please open the door to test the alarm light of the door contact to confirm whether it lights or not, and to confirm whether the unit base makes local alarm sound (the precondition is to open the local-alarm function), whether the security number receives alarm message (the precondition is to set the number correctly), whether the security number receives alarm call (the precondition is to open the voice alarm and set the number correctly).

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**Note:**

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.