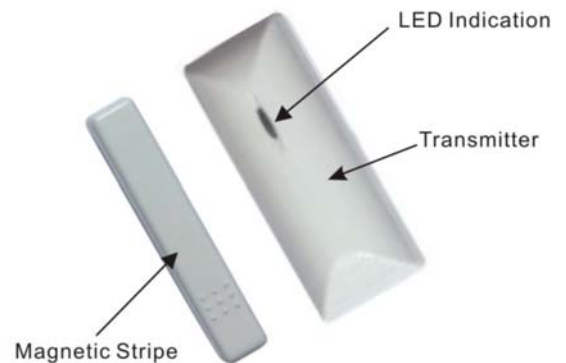# AW-8102 – Wired / Wireless Compatible Door/Window Detector
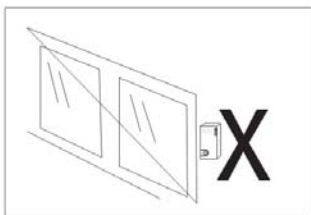
User Manual

AW-8102 is Mini wired/wireless compatible intelligent magnetic contact detector, it has door or window open/close instant detect alarm function, smart mini design easy to match the installation environment, cooperate with furniture decoration, it has the higher sensitivity work with wireless alarm control panel within 200 meters via built-in antenna, wireless coding or enter the 9 digit address code with alarm control panel, when magnetic stripe the distance over than 2 cm with transmitter, it will send out the wireless alarm signal to alarm control panel immediately, and it also built-in the wired connection port, so that work with wired control panel.

Features:

1. adopted special micro-power low consumption CPU
2. adopted unique multi code
3. Code: 28-digit ID, 8-digit function code, 36 digit date code in total
4. working status report automatically
5. open door or window indication
6. working voltage is 3.0V (CR123A 3.0V Lithium Battery x 1 pc)
7. current consumption: ≤5uA (static) / current emitting: ≤15mA (alarm)
8. wireless emitting frequency: 433MHz / 868M
9. wireless emitting distance: 200m (in open area / built in Antenna)
10. working temperature is -10℃ ～ +50℃
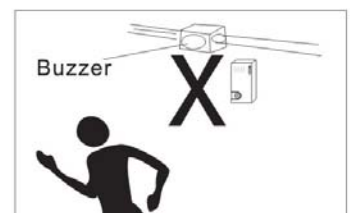11. dimension is 80*32*24mm (transmitter) / 74*20*12mm (magnetic stripe) / ivory white color

Installation:

Don't install outside easy to break place

Don't install on a unstable base

Don't install near strong magnetic place

1. remove the transmitter cover, you will see the inside PCB board;
2. take out the PCB board, the mounting frame is under the PCB board;
3. hold the frame against the mounting surface and mark the 2 drilling points through the mounting holes;
4. drill the holes and fix frame to the wall using the screws with countersink heads which had packed in the package;
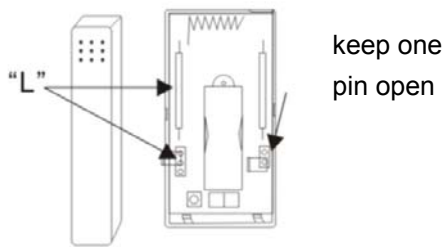
the package;

5. the 9 digit address code is under mounting frame, put the PCB board back to the frame after installed on wall or other stable place;

6. insert 1 pc CR123A 3.0V Lithium Battery on the battery tray, pay attention to the anode and cathode, and then LED light will flash 3 times, so that make sure the battery had been connected;
7. close the transmitter cover;
8. attach the transmitter to the fixed mounting frame and the magnetic stripe to the movable part, locate the magnetic stripe not more than 2 cm from the transmitter.
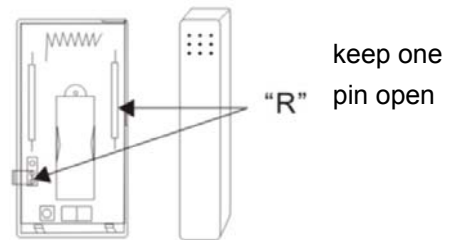
Note: if not drill on the door or wall, please use strong double side tape or other strong bonding agent to fix the magnetic stripe and transmitter on the right place.
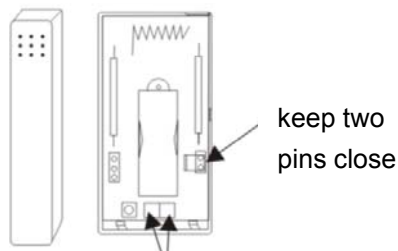
Magnetic Stripe Place:

keep one pin open

when magnetic stripe fix on the "L" place of reed switch, the jumper jump to the "L" side of contact pin

keep one pin open

when magnetic stripe fix on the "R" place of reed switch, the jumper jump to the "R" side of contact pin

Wired Connection:

keep two pins close

wired connection port

when connect transmitter to wired alarm panel via wired terminal connection port

tamper switch

Coding Method: **(between detector and wireless alarm control panel)**

1. detector on normal mode, place the 1pc 3.0V lithium battery and LED light will flash 3 times; alarm control panel on wireless coding mode (please refer alarm control panel user manual), press tamper switch or moving the magnetic stripe more than 2 cm with transmitter, so that it can send out the wireless signal to alarm control panel, if alarm control panel make the corresponding indicate sound, it means match code successfully.
2. alarm control panel on manual coding mode, enter the 9 digit address code to match, this will be a higher probability of coding success.

Change Battery:

when detector sending the wireless signal, LED light flash, it means the low battery situation, and detector also can sending the low battery alarm indication to alarm control panel. (CR123A 3.0V Lithium Battery / pay attention to the anode and cathode)

Battery Testing:

After replaced the new batteries, the detector will be in testing mode via LED light flash indicate for each triggering, and detector will auto enter the normal mode after 5 mins, and the LED light indicate will be switched off, battery energy for power-saving function.