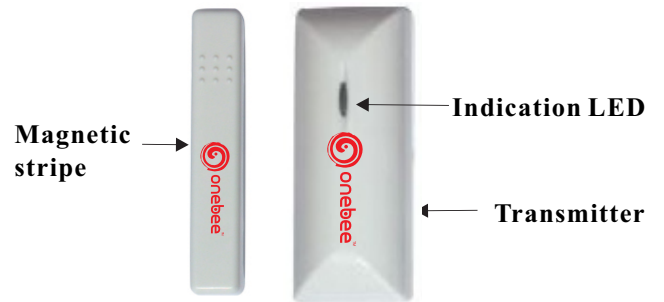


# DS-1601 Wireless Magnetic Switch

## 1. Introduction

The DS-1601 is a fully supervised mini style magnetic contact transmitter. It features door/window close/open instant alarm function. It can be connected to the control panel. It can transmit strong wireless signal, having strong intensity in 30m area. Please code it to the control panel before using, enrolling the only one address code to the control panel. When the distance between the magnetic stripe and transmitter beyond 2.5cm the transmitter will send alarm information to the panel. This detector can change wired signal to wireless signal, Working as a transmitter.



Product appearance

## 2. Specification

Model: DS-1601

Wireless sending distance(open area):  
antenna 30m.

Code: 28-digit ID, 8-digit function code, 36  
digits data code in total

Working frequency: 433MHz/868MHz(optional)

Working voltage: 3V lithium battery

Battery life: about 1 year

Current: static 5uA, alarm: 7-12mA (433MHz)  
static 5uA, alarm: 35-45mA (868MHz)

Alarm output: alarm, tamper

Status report after first electro motion or reset the  
detector the magnetic switch report the working status  
to the control panel separately after 30 seconds, 2  
minutes, 6 minutes. And report working status every  
two hours to the control panel.

Working Temperature : -10°~50°

Dimension: 81(L)\*32(W)\*25(H)mm

Magnetic stripe: 74.5 (L)\*13.5(W)\*18.8(H)mm  
Color: White

## 3. The main function and installation

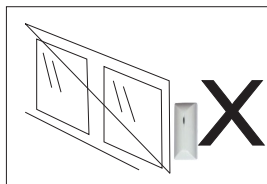
### 3.1 Main functions

- A. Adopted low consumption CPU
- B. Adopted unique Mutil codes
- C. Auto status report

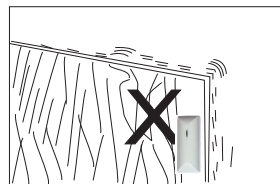
- D. Anti-lost report
- E. Open door/window indication

### 3.2 Installation

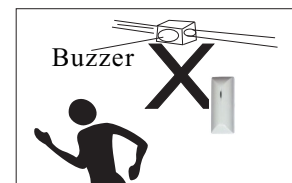
Pay attention to these following points.



Do not mount on the place possibly to be  
destroyed outdoor.



Do not mount at the loose place



When use as wireless detector, do  
not mount near strong magnetism  
item.

### 3.3 Installation introduction

Note: This product use Cr123 lithium battery, no battery set in when leave factory please set in  
battery before using.

1. Press lightly the snap near the led, and open the cover;

2. Set in battery with right positive and negative poles;

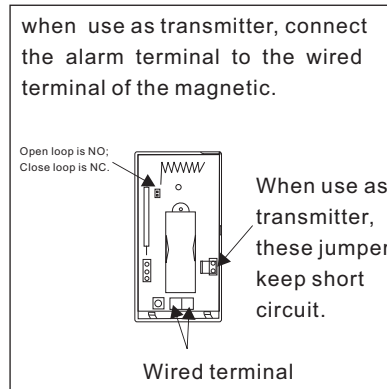
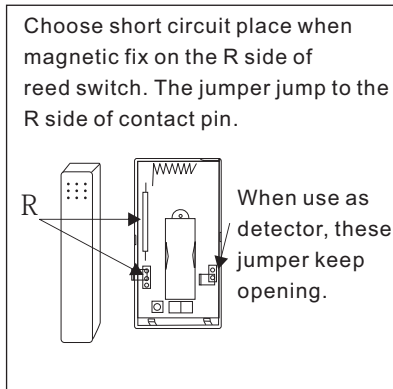
3. code with the panel

A<sub>i</sub> Set the wireless control pane at "auto code" mode.

B<sub>i</sub> Let DS-1601 enter working mode, parallel put transmitter and magnetic stripe together,  
move the magnetic stripe at the moment of pressing the ensure key on the panel and let the  
detector send wireless signal. Then the panel will study the code of detector.

- C. The user also can enter address code manually, that will reduce error rate, set the control panel at manual code mode, then enter the 9-digit code on the label of transmitter.
4. Testing magnetic switch parallel move magnetic stripe and inductor. DS-1601 will send signal once to the control panel, and the LED on the transmitter flick 5 times.
  5. Fix the cover

#### 4 Install follow the pictures(This drawing only for 433MHz,868MHz one is different)



Fixing Position



#### Note

1. If not drill on the wall please use strong double side glue or other strong Bonding agent to fix the magnetic stripe and transmitter on the right place.
2. Do not mount on the base-loose place, possible to be destroyed place or with strong magnetic interference(eg.loudspeaker, high voltage cable)
3. Be ensure the arrow mark position when fixing. as like above the picture.

#### 5.maintenance

##### 4.1 Change battery

1. The working life of battery is about one year. The surface of detector will be dusty when used for a long time, please use dry cloth to clean.

Change battery when the signal between the detector and control panel become weak,

1. Open the cover
2. Take out used up battery and put in new battery rightly;
3. Test battery, parallel move the magnetic from transmitter, then the control panel will make alarm information.

##### 4.2 Clean and fix the cover:

The surface of the detector will be dusty when used for a long time, please use dry cloth to clean.

#### 6. Miscellaneous Comments

Our wireless products are very reliable and tested to high standards. However, due to low transmitting power and limited range(required by regulatory authorities, there are some limitations to be considered. it will course the panel to make alarm at any alarm situation, following are some common examples

1. voltage instability for the control panel;
2. under voltage of detector etc.

These problem are not so difficult to solve, if needing help please contact the supplier.