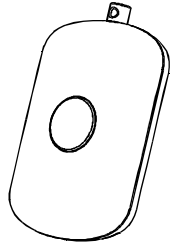


# MANUAL FOR EMERGENCY BUTTON DETECTOR

M409-1EVer1.0

## PRODUCT PROFILE



## PRODUCT INTRODUCTION

This product is emergency button detector. Hereinafter be called the detector. It has emergency alarm function. Once the emergency incident occurs, the detector will be triggered to transmit the signal to the host by the wireless way so as to

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achieve the effect of emergency call. This product is suitable for all the places where the security protection is needed, such as residential areas, companies, shopping malls, hospitals, banks, guard post etc.

## MAIN FEATURE

Double alarm types, button type and pull type  
Compact appearance, can hang it up  
Anti false alarm design  
Zero standby power consumption  
Low-battery detection  
MCU coding, compatible with 2262/1527  
Anti RFI (20V/m-1GHz)  
SMT process

## TECHNICAL SPECIFICATION

Operating voltage: 3V (1\*CR2032 button cell)  
Standby current: 0uA  
Alarm current:  $\leq 25\text{mA}$

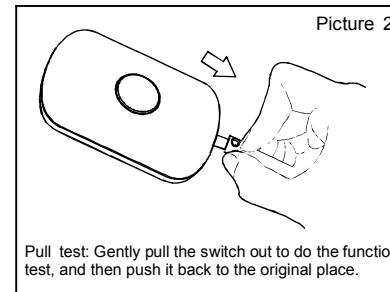
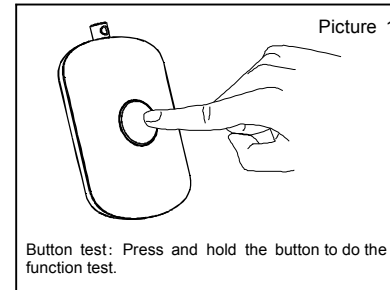
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Alarm indicator : red LED  
Low-battery indicator: rapid flash of red LED  
Coding mode: MCU coding with 2262/1527 optional  
Transmitting frequency: 315M or 433M  
Transmitting distance:50m-100m(open area)  
Alarm type: button type and pull type  
Temp.:  $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$   
Humidity:  $< 80\%\text{RH}$  (no congelation)  
Dimension: 36\*58\*15mm

## ALARM SETTING

- 1)Set the jumper according to the alarm host (refer to jumper setting) .
- 2)Set the host at the learning mode.Press and hold the alarm button for 2 sec. to let the host learn.
- 3 )Function test follows:
  - a. Press and hold the alarm button to keep red

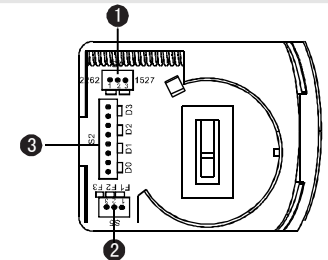
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LED on, and the host responds, which indicates successful setting (refer to picture 1) .  
b. Remove the pull switch to keep red LED on, and the host responds. After red LED flashes for 5 sec., the alarm signal will be transmitted once again. (refer to picture 2) .

## JUMPER SETTING FIGURE

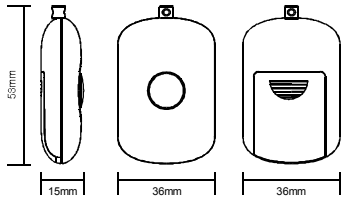
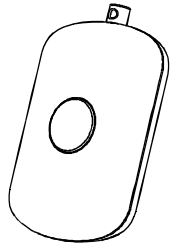


- 1 Code pattern jumper
- 2 Oscillation resistance jumper
- 3 Data code jumper

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## JUMPER SETTING

### 1)Code pattern jumper:

2262 and 1527 code patterns are available for different hosts.

Short 1&2 : The code pattern is 2262.

Short 2&3 : The code pattern is 1527.

### 2)Oscillation resistance jumper:

Different oscillation resistance jumpers are available for different hosts.

#### Short 1&2:

Under 2262 code pattern, the oscillation resistance is 1.5M.

Under 1527 code pattern, the oscillation resistance is 430K.

#### Short 2&3:

Under 2262 code pattern, the oscillation resistance is 3.3M.

Under 1527 code pattern, the oscillation resistance is 390K.

#### Open:

Under 2262 code pattern, the oscillation

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resistance is 4.7M.

Under 1527 code pattern, the oscillation resistance is 330K.

### 3)Data code jumper:

D0-D3 is the data code for setting alarm type, and the data code should be set in accordance with the host. (Remarks: With built-in MCU, no need to set the address code for 2262 and 1527 code patterns, but must match the code with the learning host.)

## MAINTENANCE

### 1. Replace the battery

1) Red LED flashes rapidly when the test is conducted or the detector is triggered, which indicates low-battery and reminds you to replace the battery.

2) Battery replacement steps (refer to picture 3 & 4) .

3) The battery replaced shall be CR2032 3V button cell. Please pay attention the the anode and cathode marks.

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4) Please press the button to do function test after battery replacement.

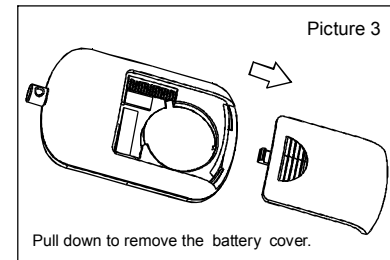
### 2. Regular test and clean

1) Do regular function test to guarantee the detector can work well (once a month is suggested).

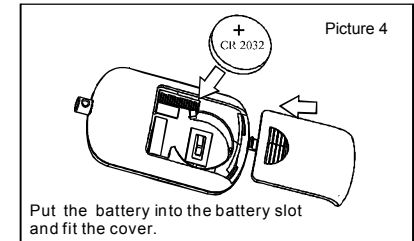
2) Use the wet cloth or the sponge to clean if the detector is dirty.

### IMPORTANT NOTICE

**Do not directly use solvent or water to clean in case of PCBA damage from the liquid penetration.**



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## NOTICE

1. Please install and use the detector as the manual instructed. Any detector failure, please inform management center or our company after-sales service center for repair.
2. The product can reduce accident, but cannot ensure no risk at all. For your safety, in addition to the proper use of this product, remain vigilant in your daily life and strengthen security prevention consciousness.

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