

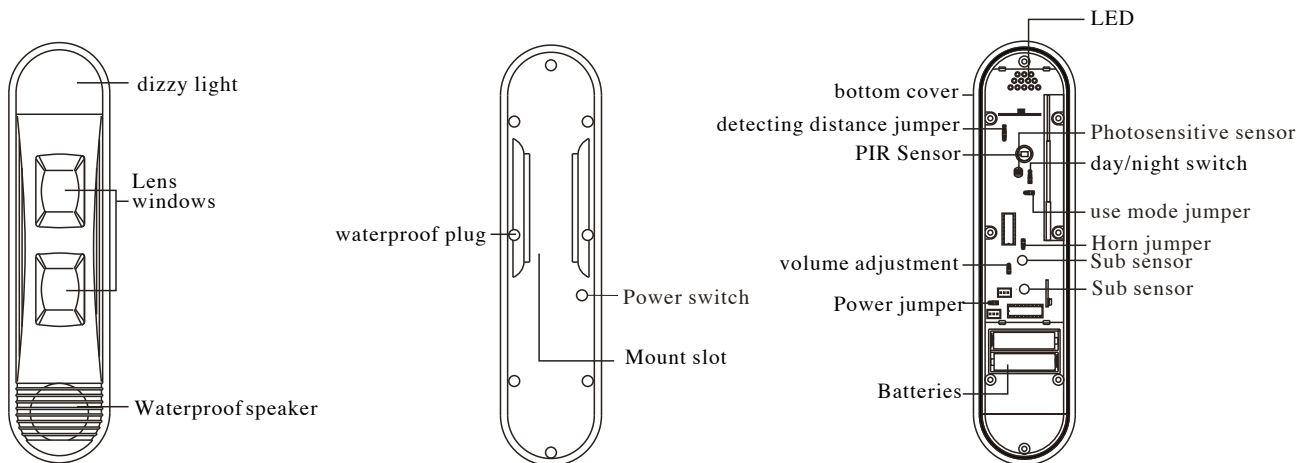
## 1. BRIEF INTRODUCTION

The Intelligent Waterproof PIR Detector adopt the most advanced technology, 4G holographic aviation war-industry radar technology, bionic nerve cell radar chip, waterproof, can be widely used for protecting your safety & property. Before installation, please read this user's manual carefully for safe effective operation and installation.

## 2. MAIN FEATURE

- \* Pure wireless design, exquisite appearance, easy for installation & operation.
- \* 3 wireless sensors tridimensional analyse technology plus Nanometer Lens. Avoid false alarm.
- \* Military-grade materials, anti-aging outer shell, waterproof. No matter outdoor or indoor area, it will present excellent performance.
- \* Voice reminding while operation, and voice warning before alarm.
- \* Self-protection function: Alarm is triggered once it is disassembled illegally
- \* Work as a control panel which can work with 6 remote controls and 2 wireless Detectors (Max.)
- \* Can setup 4 working modes, have different working mode in day time and night time.

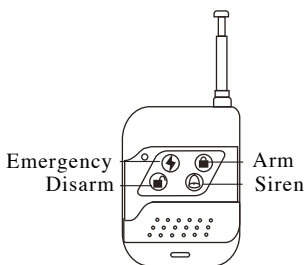
## 3. STRUCTURE



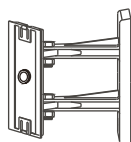
Front side

Back side

Inside frame



remote controller



swivel bracket



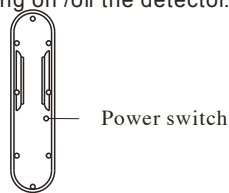
Fix panel

Accessar ies

## 4. OPERATION

### 4.1 Power on/off

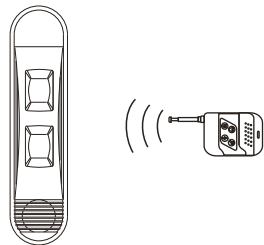
There is a little power switch on the back of the device. Take out the waterproof plug, and press that little switch for turning on /off the detector.



Back side

After power on, the device speaks "Welcome to use!", then the flashing light flicker 10 times, 60 second later, the units enter working status, that means it is armed.

### 4.2 Working with remote controller



**A). Arm:** press the "⏏" button, the PIR detector speaks "The system is armed!", The LED show dim light for 5 seconds, then goes into guarding status.

**B). Disarm:** press the "⏏" button, the PIR detector speaks "The system is disarmed" and goes into undefended state.

**C). Siren switch on/off:** press the "🔊" button ( for 5 second still you hear siren ring ) to alternately switch on/off the siren.

**D). SOS:** press the "👉" button for 3 seconds, the detector will give out alarm immediately.

**E). Change reminding voice:**

Press the "⏏" button for a long time (about 5 sec) until heard a lower voice "THE SYSTEM IS ARMED! " Then, while you arm /disarm the device, the reminding voice becomes lower.

Press the "⏏" button for 5 sec again, you will heard "Do ." Then, while you arm the detector, it will give out one tone "Do. ", while you disarm the system, you will hear two tones "Do Do" .

Press the "⏏" button for 5 sec again, it will turn to default setting.

**F). Change siren setting:**

Press the "⏏" button for a long time (about 5 sec) until heard a warning sound. Then, while alarm, only the light flashing, no siren sound any more.

Press the "⏏" button for 5 sec again, until heard 2 warning sound. While alarm, the siren sound for 5 second, the light flashing only.

Press the "⏏" button for 5 sec again, until heard 3 sec warning. It turns to default setting, while alarm, the siren sound & light flashing for 90 sec simultaneity.

### 4.3 Advanced options

#### 4.3.1 Status test:

press both "⏏" key and "⏏" key, the PIR detector rings. Then:

A). sound only (check detecting distance)

1 sound signifies its detecting distance is at grade one (longest),

2 sounds signifies its detecting distance is at grade two,

3 sounds signifies its detecting distance is at grade three,

4 sounds signifies its detecting distance is at grade four (shortest).

B). flash only (check pulse count)

1 flash means pulse count is grade one (most sensitive)

2 flash means pulse count is grade two

3 flash means pulse count is grade three

4 flash means pulse count is grade four (least sensitive)

C). sound and flash synchronously (check working mode)

1 sound & flash means mode 1

2 sound & flash means mode 2

3 sound & flash means mode 3

4 sound & flash means mode 4

**After that, the system goes into programmable status. User can change the settings within 10 seconds as following:**

**A). Detecting distance setting:** press "⏏" key one time will increase the detection distance (a grade one time).

**B). Pulse count setting:** press "🔊" one time increase a pulse count grade.

**C). Working mode setting:** press "⏏" one time go into next working mode.

**D). Register/code extra sensors/Remote controller:** press the "👉" button, the system will make a "Do- " sound, then flash once, it means you can start to register/code.

Trigger the extra sensor/remote controller, when the system receives the signal,

If it makes ONE sound "Do. ", it means this extra sensor has already been registered/coded into the system;

If it makes TWO sound "Do Do. ", it means this extra sensor is registered/coded successfully;

If it makes THREE sound "Do DoDo. ", it means this extra sensor is not registered/coded successfully;

When the system reminds: "The system is disarmed. " it will exit Program Status automatically.

**E). Reset:** Press the "👉" button for 5 sec until you heard two sound, then, the LED light for a 2 sec. Wait for a while, 5 sounds means successful operation. After a series of reaction, The system come back to default setting (manufacturer's setting).

### 4.3.2 Working mode

#### Working mode 1:

In the Daytime, when it is triggered for the first time, at beginning, it will warn: " Attention!! You have entered the area under monitoring! " if the intruder still stays in the detecting area, the detector will warn again: " Warning! You have entered restricted area, Please Leave Immediately! Warning! You have entered restricted area, Please Leave Immediately! " Then, the siren will alarm and the LED light will flash at the same time.

In the Night, when it is triggered, it will directly warn: " Warning! You have entered restricted area, Please Leave Immediately! Warning! You have entered restricted area, Please Leave Immediately! " Then, the siren will alarm and the LED light will flash at the same time.

#### Working mode 2:

In the Daytime & Night, when it is triggered, it will directly warn: " Warning! You have entered restricted area, Please Leave Immediately! Warning! You have entered restricted area, Please Leave Immediately! " Then, the siren will alarm and the LED light will flash at the same time.

#### Working mode 3:

In the Daytime, when it is triggered, only the LED light will flash, NO voice warning, No siren alarm.

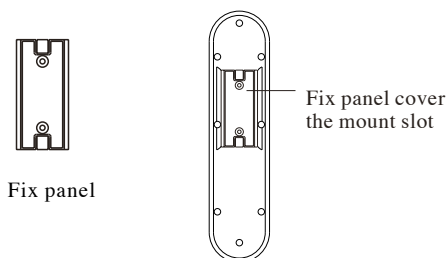
In the Night, when it is triggered, it will directly warn: " Warning! You have entered restricted area, Please Leave Immediately! Warning! You have entered restricted area, Please Leave Immediately! " Then, the siren will alarm and the LED light will flash at the same time.

#### Working mode 4:

Only when the Intelligent detector works with its sub-wireless PIR sensors, it will take effect. If there is not sub-wireless PIR detector, it will turn to mode 1 automatically.

When both of the PIR detector and its sub-wireless PIR sensor are triggered, it will directly warn: " Warning! You have entered restricted area, Please Leave Immediately! Warning! You have entered restricted area, Please Leave Immediately! " Then, the siren will alarm and the LED light will flash at the same time.

## 5. About the fix panel



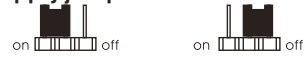
The fix panel has anti-dismantle function. In case it is removed by someone, the LED light will turn on, then the system go into emergency alarm for 90 sec. After that, the system indicate "THE SYSTEM IS DISARMED ", it turn to disarmed status finally.

While user slip the fix panel back to the mounting slot completely, the system will give out several tones, then indicate " THE SYSTEM IS ARMED! " the system goes into armed status automatically.

## 6. Inside jumper

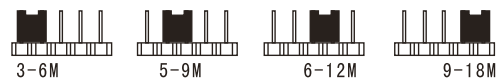
**Notes: The following way to adjust jumpers is just for your reference under special condition. Remote Controllers can carry out all the settings & functions, please don't open the device nor adjust its default jumpers.**

### A). Power supply jumper



ON: the switch/jumper on the ON position, battery circuit connected.  
OFF: the switch/jumper on the OFF position, battery circuit disconnected.  
All the recorded data will be deleted one minute's after power is off.

### B). Detecting distance jumper



When connect to 3-6m, the detecting distance is 3m,  
when connect to 5-9m, detecting distance is 4m.  
When connect to 6-12m, the detecting distance is 5m,  
when connect to 9-18m, detecting distance is 6m.

### C). Monitoring model setting



DAY, the detector works in day mode 24hours.  
NORMAL, the dusk is treated as night.  
NIGHT, darkness is treated as night.

### D). Siren setting



Horn, the siren will sound while alarming.  
No horn, the siren will not sound.

### E). Alarming volume setting



Hi, the voice volume is high;  
Lo, the voice volume is low.

## 7. Technical parameter

Power: 6V, 4 AAalkali batteries

Voice:>85 dB, Siren:>105dB

Frequency:315 /433MHz

Remote controlling distance: 15m.

Detecting scope: 3~6m

Current: Static current<0.2mA, alarm current<300mA

Sensors: low noise dual-element sensors

Flashing light:>1,000,000LUX

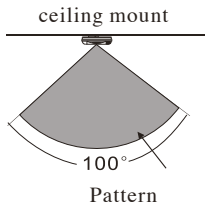
Work temperature: -40℃ to 65℃

Storage temperature: -45℃ to 70℃

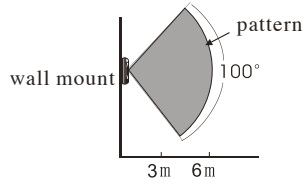
Size: 323mmx74mmX71mm

## 8. Detecting area

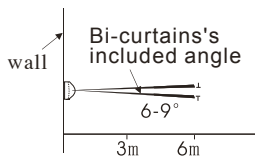
The Intelligent PIR detector is a bi-curtain shield detector, only when the intruders' movement crosses the shields, the detector alarms.



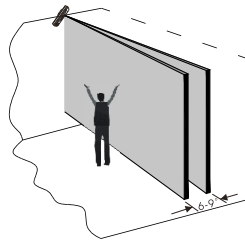
Side view



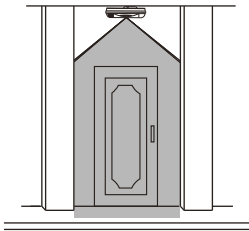
Side view



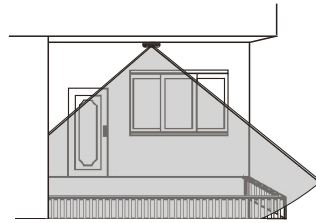
Top view



## 9. Application

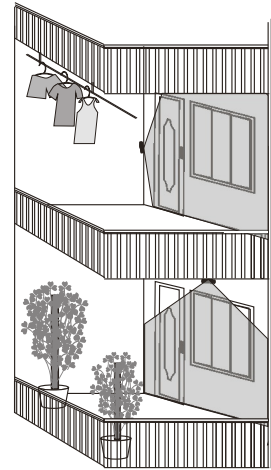


Gateway

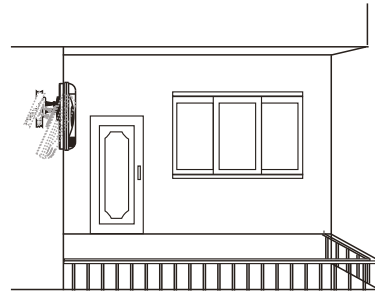


Balcony

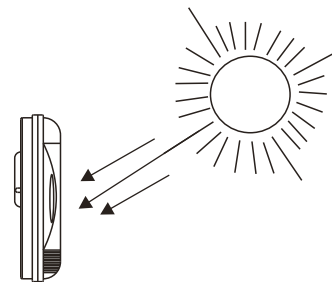
## 10. CAUTION



A. Avoid aiming the Lens windows at moving objects(i.e. swaying trees, flag, etc.)



B. Avoid unfirm base or bracket



C. Avoid strong direct or reflected sunlight

Product Patent Certificate

ZL00227144. 3  
 ZL00227143. 5  
 ZL00227799. 9  
 ZL00240164. 9  
 ZL00240166. 5  
 ZL02225180. 4  
 ZL02321948. 3  
 ZL02321949. 1

