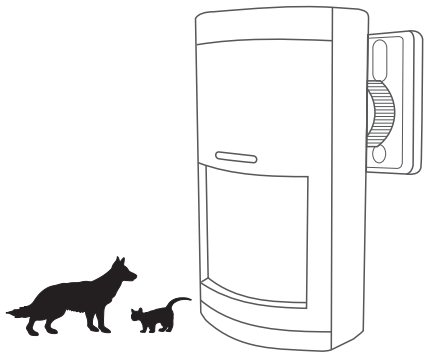# Wireless Pet Immune PIR Detector
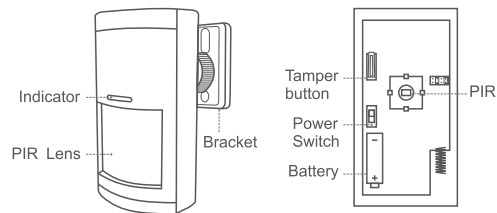HW-05C Quick Guide
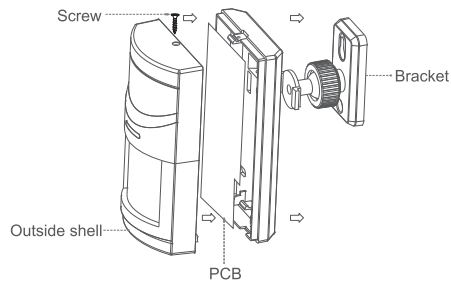
Ⅰ. Features

· Super low consumption of 12uA and intelligent energy saving technology.

· Traditional mode/Intelligent energy saving mode for options to highly extend battery life.

· Li battery powered with battery power monitoring.

· PT2262 coding and EV1527 coding.

· Built-in helical antenna at 868.65MHz.

· Built- in cover anti-tamper switch.

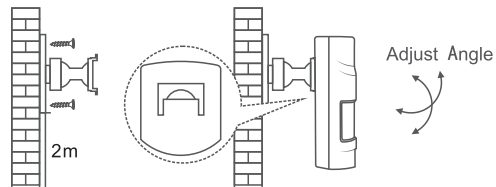· Immune to animals under 20kgs.

Ⅱ. Appearance description

Indicator
PIR Lens
Bracket
Tamper button
Power Switch
Battery
PIR

. exploded drawing

Screw
Bracket
Outside shell
PCB

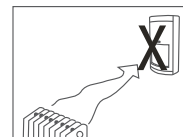## Ⅲ. Installation Notes

1. It is recommended to mount the detector at height of 2m from the ground, select a suitable installation location and adjust angle.
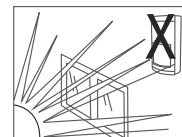

2m

Adjust Angle

2. Infrared detection is closely related to temperature change.
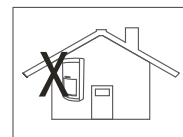
Keep the detector away from air conditioner, heater, refrigerator or anything that can cause rapid changes in temperature .
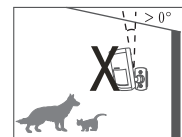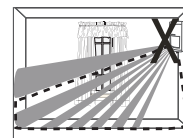

Avoid facing cold and heat sources.
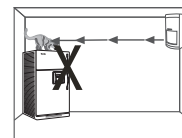
Avoid mounting it in direct sunlight.

Can not be installed outdoors;

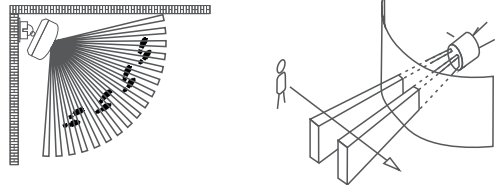Detector angle can not tilt down;

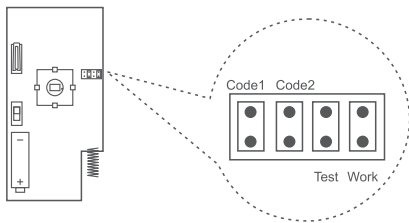Can not be installed next to the swing curtains;

No objects 1.8 meters higher in front of detector

3. Walk test after installation. Pay attention to whether the detector can cover the warning area and wireless distance.

Ⅳ. Pin Function

1.Coding

Coding	Code 1	Code 2
PT226/4M7	ON	OFF

Ev1527	OFF	OFF
PT2262/3M3	ON	ON
Others	OFF	ON

2.Working Status Options

Status	Test	Work
Test	ON	OFF
Work	OFF	ON
Invalid	OFF	OFF

ON: Pin ON; OFF: Pin OFF

Test mode: it triggers alarm if someone is moving within detecting area.

Work Mode (default): Intelligent energy-saving. It's in test mode within 10 minutes after power on. It triggers alarm when someone is moving within detecting area.

10 minutes later, if the detector is triggered to alarm for 3 times continuously, it automatically enters the intelligent energy-saving sleep mode to save power. In this case, it will not alarm if someone is moving in front of the detector.

When there's no activity in detecting area for 3 minutes, it ends sleep mode and re-enters the state of alert.

3. Pet Immunity Function
Within 12 meters detection range, the detector can be immune to pet under 20kgs.
To ensure the best coverage and the effect of pet immunity, please install the detector at 2.2 meters above the ground.
In the pet immunity applications, the detector can not be installed downwardly but perpendicularly to the ground. And the bracket can be rotated only horizontally if installed with a bracket.
The detetor is avoided to face to furniture pets may climb to or places like that.

4. Low Battery Alert
When the valtage is lower than 2.2V, the detector will send a low battery signal to the main panel and the LED flashes every 5 seconds, reminding the user to replace the battery.

NOTE: The detector sends low battery signal only when selecting EV1527 coding.

Ⅴ.Electrical Parameters

Working Voltage	3VDC(CR 123 A Li Battery)
Current Consumption	Alarm Current: < 20 m A
	Standby Current: 12 u A
Detecting Distance	≤12 m(25°)
Transmission Frequency	868 . 65 MHz

Transmission Coding	Pt 2262 coding and EV1527 coding
Alarm Time	1 second after alarm indicator turns red
Sensor Type	Dual low noise pyroelectric sensor
Temperature	Working Temperature：- 10 C ~ 50 C
	Storage Temperature：- 20 C ~ 60 C