

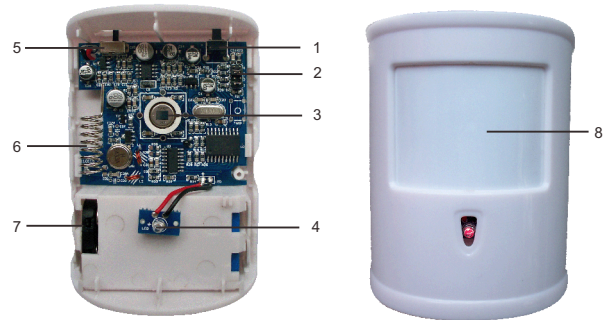
WIRELESS PET-IMMUNE PIR SENSOR

1. INTRODUCTION

- The digital analysis of environmental variable based on microprocessor to prevent false alarm
- Programmable pulses counter controls detection sensitivity
- Temperature compensation controlled by Microprocessor
- State-of-the-art SMT, inhibit RFI, EMI interference
- Low current consumption and normal mode to prolong battery life
- Immunity to pets weighing up to 10Kg
- Low-battery status LED indication

2. OVERVIEW

- | | |
|-------------------------|--------------------|
| 1. Coding button | 2. Jumper function |
| 3. Dual infrared sensor | 4. LED indication |
| 5. Power switch | 6. Spiral antenna |
| 7. 9VDC battery | 8. Fresnel lens |

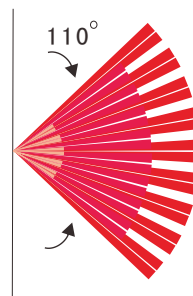


3. SPECIFICATIONS

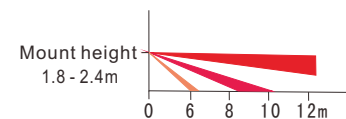
Battery Supply	9VDC
Current drain	Transmit current drain <17mA(9VDC)
	Standby current drain <28uA(9VDC)
Detection distance	10~12m(25°C)
Detection angle	Horizontal 110°
Transmit range	80m(no barriers)
Frequency	315MHz,433.92MHz
Alarm indication	LED lights for 2~3 seconds
Pulse counter	"1", "2", "3" pulse selectable (default: "1")
Sensor	Dual element low noise piroelectric thermal sensor
Mounting	Mounting height 1.8-2.4m
Temperature	Operate temperature: -10°C ~50°C
	Storage temperature: -20°C ~60°C
Dimension	96*75*42mm(L*W*H)

Lens Data

Top view



Side view



4. SET THE JUMPER

4.1 Pulse counter (Adjust sensitivity)

Sensitivity	Pulse	Jumper1	Jumper2
High	1 pulse	ON	OFF
Middle	2 pulses	OFF	ON
Low	3 pulses	OFF	OFF

The more the pulses, the lower the sensitivity and the fewer false alarms.
Default: 1 pulse

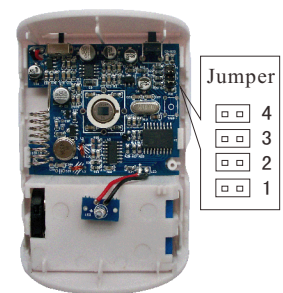
4.2 Operation mode

Mode	Jumper3	Jumper4
TEST	ON	OFF
NORMAL	OFF	ON
INVALID	OFF	OFF

TEST: This mode is used for Walk testing. LED indication lights once sensor detects your movement.

NORMAL(default): To save battery life the detector will not alarm within 3.5minutes after the alarm.

The detector will re-active three minutes after last alarm.



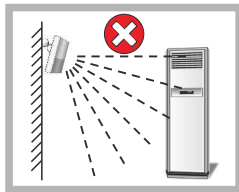
5. LOW BATTERY INDICATION

When the battery voltage is lower than 5.9VDC, the LED indicator flashes once per 30seconds, alerting the user to change battery.

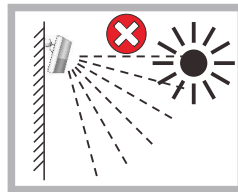
6. INSTALLATION

6.1 Installation Hints

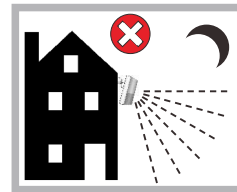
1. Select the proper location so that intruder's motion will be perpendicular to the sensor's detection direction.
2. To obtain best coverage possible the mount height should be between 1.8m to 2.4m. The higher installation place, the larger blind area close to detector.
3. The installation distance should provide reliable communication between sensor and alarm control panel.
4. To maintain maximum coverage range where no pet is present, tilt the bracket downward 5 to 16 degrees when mounting sensor.
5. In pet-immune applications, the bracket should be used for horizontal alignment only. The detector that remains vertical should be always perpendicular to the floor. The detecting area should keep away from the furniture that the pet may climb up.



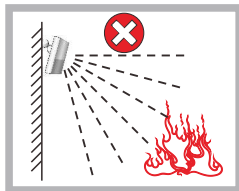
Do not install near air-conditioner



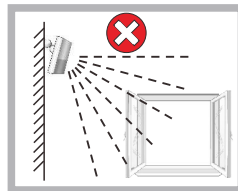
Prevent direct sunlight



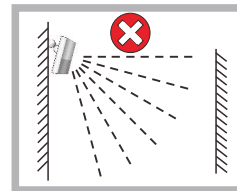
Do not install outdoor



Do not aim at heat source

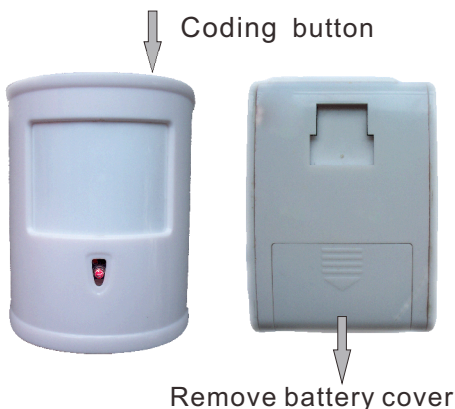


Do not expose to air draught



Do not install behind partitions

6.2 Installation Procedure

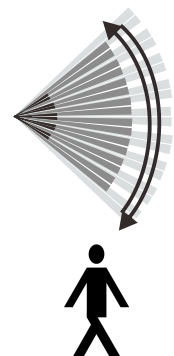


- ① Remove battery cover and insert 6F22 9VDC battery. LED indication will flash 30 seconds until the sensor is stabilized.
- ② Refer to the control panel manual and code the detector into alarm control panel. When control panel ready to learn, press coding button or trigger detector alarm. You may enroll successful while LED indication of sensor lights.
- ③ Mark the points for drilling through the mounting holes of the bracket. Attach the bracket to the mounting surface and fix the sensor into bracket.
- ④ Perform walking test.

7. WALK TESTING

Refer to instruction part 4.2, set detector to TEST mode.

- A. Power up detector one minute until detector stabilized. Then perform walking test.
- B. Set the proper pulse counter (sensitivity) as installation environment required.
- C. Walk across the detector's coverage area with the speed of 0.75cm per step. The alarm LED will be on for 2~3 seconds, indicating it has detected your movement. Please wait for about 5 seconds and let the detector become stable before the next test.
- D. If pet may cross the protected area, detect with a pet. Make sure that the detector will not make false alarm even the pet is in the protected area or climbs up to a furniture.
- E. When walking test is finished, set detector under normal mode to prolong battery life.



Attention: To assure proper function of the detector, the protected area should be checked at least twice a year.