

HOMECLOUD

Homcloud Radio Frequency PIR Sensor

Anti-pet type



Homcloud code: WL-RFPSP
Model n°: WL-810WF

I. Product Introduction

It is a type of "upgraded version" (wireless type) inactive mode infrared intrusion detector. It adopts imported super low power consumption digital microprocessor, random dynamic time division and energy deposit logic processing technology, patented precision Fresnel lens, dual induction, adjustable pulse counting. It is provided with super detection performance to judge the real intruder in combination with advanced patented software technology and can overcome the shortcoming of false alarm, omitted alarm, non-alarm of traditional detector probes. The device can enter the power saving mode intelligently without setting. The battery is replaced once more than 2 years.



Introduction to the appearance

II. Product characteristics

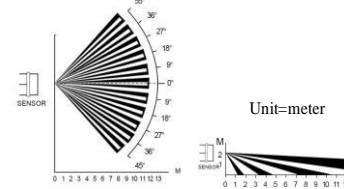
- ◎ Dual infrared+ smart volume recognition+ reflector type + artificial intelligence quadruple technology.
- ◎ Adopt dual low power consumption judgment technology, which enables the battery service life to reach more than 2 years.
- ◎ Dual temperature compensation technology.
- ◎ Adopt the reflector detection technology; Overcome the shortcoming that the traditional detector does not alarm for crawling.
- ◎ Automatic recognition of pulse times and no need to make adjustment.

- ◎ With random dynamic time division technology;
- ◎ Fresnel optical lens can prevent false alarm and omitted alarm effectively;
- ◎ Detection distance: 12m at 25°C;
- ◎ Detection angle: 110°
- ◎ Anti-white light intensity: 10000Lux
- ◎ Pet Immunity 25KG
- ◎ Install the battery by opening the cover; unique plug type installation design

III. Specification and parameters

- ◎ Work voltage: 3V (2×AAA alkaline battery) universal;
- ◎ Standby current: ≤8μA
- ◎ Alarm current: ≤15mA;
- ◎ Wireless frequency: 433.92MHZ and 1527;
- Transmitting distance: ≥150m (in open area)
- ◎ Maximum coverage area: 12m×12m
- ◎ Detection distance: 12M
- ◎ False alarm of anti-pet interference: ≥25KG
- ◎ Detection angle: 110°
- ◎ Working temperature: -10°C ~ +50°C;
- ◎ External size: -10°C ~ +50°C

3.1: Detection area



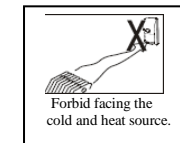
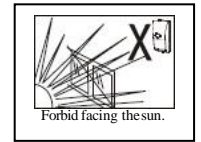
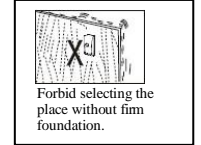
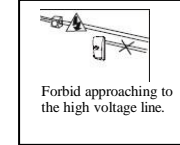
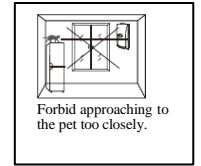
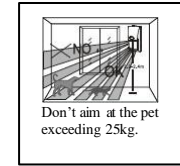
Angle detection

Detection distance

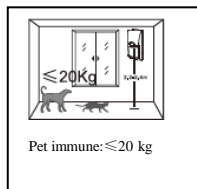
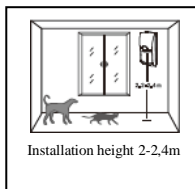
As shown in the figure

IV. Considerations for installation

▲ Please pay attention to the following condition to avoid that it cannot be used normally.



V. Installation and immunity

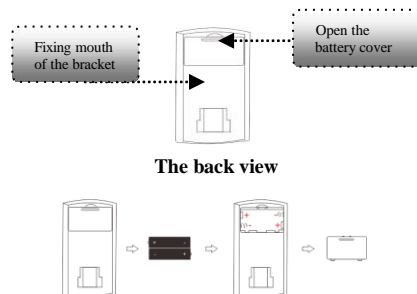


▲ Determine the detection of the detector and immunity of the pet according to the height and angle.

5.1: Install the battery

Open the cover on the back of the product and put the battery correctly

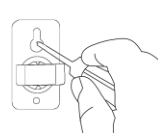
▲ "4754" polarity; prevent damaging the product as shown in the figure.



As shown in the figure

5.2: Installation of the bracket

Bracket installation: use the installation screws to fix the bracket. Then align the product at the bracket mouth to move downwards as shown in the figure.



Fixing bracket



Clipped into the bracket mouth

VI. Work mode and pairing of the detector

6.1. Normal work mode (saving power):

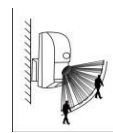
After CT60M detector is triggered, the alarm is triggered after automatic interval of more than 5 seconds.

6.2. The pairing method with the host: after the battery is installed correctly, LED light will be on. Set the host at the cold matching mode.

▲ (For entry to the matching code mode of the host, please refer to the instruction of the host).

Method A: move at the right front of the detector.

Method B: shake it at the right front of the detector. The indicator light of the detector flashes and the machine gives out an alarm signal at the same time. When the host gives out corresponding prompt sound, indicate that match coding is successful.



Method A



Method B

Detection method in the covered area

- ① At the far end of the covered area, make lateral movement in the detection scope with the speed of per step one second in any direction (about 0.75m/s), CT60M will detect and give out alarm and the LED light is on for three seconds (as shown in the figure).



As show in the figure

- ② Make step pacing in the ordinary direction to ensure that the boundary at two sides is at the detection center and points at the center of the protected area.
- ③ If it cannot obtain ideal detection distance, adjust the detection scope upwards and downwards to ensure that the detection direction is at the reasonable height.
- ④ After adjustment of the detection angle is completed, make packing test again.

VIII. Cleaning and protection

The detector may get dirt after long time of use. At such condition. Use wet cloth or sponge to wipe.

▲ Don't use too much water when wiping. Otherwise, the water penetrated into the cover will cause burnt of the circuit.

IX. After-sale service

Although our product has perfect function, it cannot guarantee that the alarm occurred at any condition can trigger the alarm of the host due to limit of their low-point transmission ability and use range. The following is some common phenomenon.

1. When the voltage of the host is not stable or that of the detector is not sufficient, the signal transmission may fail.
2. The receiver signal may be blocked or is not within the scope of the selected frequency.
3. It suggests the users to test the wireless equipment once a week and check whether there is source of conflict and protective measure.

More info at www.homcloud.com

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