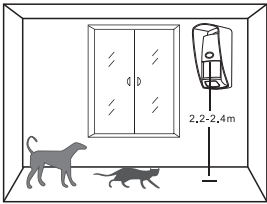


Wireless (outdoor) infrared detectors

CT70

Anti-pet type



I . Introduction to product

Welcome to use the “new generation” (wireless outdoor) pet immunity infrared intrusion detectors. It adopts importer super low power consumption digital microprocessor, random dynamic time division and energy accumulation logic processing technology, patented precision columnar Fresnel lens, Using high intelligent volume recognition + outdoor filter + dual infrared + processor technology, adjustable pulse counting. Working with advanced patented software technology, it features super detection performance and judges the real invader truly and can overcome the shortcoming of false alarm, failed alarm and not alarm.

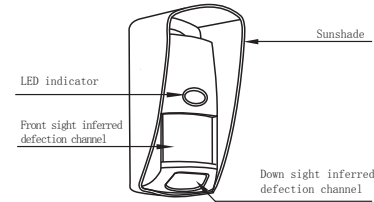


Figure 1: overall appearance view

II .Characteristics

- ①Using high intelligent volume recognition + outdoor filter + dual infrared + processor technology;
- ② Microprocessor with super low power consumption The use of general 2.5 batteries for more than 2 years, easy to buy, no need to change the battery;
- ③ Dual temperature compensation technologies
- ④ Adoption of detection technology of reflective mirror: overcome the shortcoming of traditional detector that does not alarm for crawling in
- ⑤ The technology of adjustable pulse counting
- ⑥Dual induction technology
- ⑦ Time division technology with random dynamic
- ⑧ Fresnel optical lens + Volume identification can prevent mistaken alarm and omitted alarm
- ⑨ Detection distance: 12m@25℃
- ⑩ Detection angle: 110°

- ① Transmission mode: Wireless 433.92mhz (1527)
- ② The design of wall mounted and unique plug type installation
- ③ Pet immunity: 25KG

**Note: the use of outdoor installation must be firmly installed; quiet location;**

III. Specification

- ① Working voltage: 3V (1.5V \* 2 AA alkaline batteries)
- ② Working current: 15mA
- ③ Standby current: ≤9 μA
- ④ Maximum coverage area: 12m×12m
- ⑤ Alarm indicator light: dual-color indicator light (green)
- ⑥ Working environment: outdoor / indoors
- ⑦ Anti-dismantling switch: normally close;
- ⑧ Transportation mode: Wireless 433
- ⑨ Alarm output: alarm condition report and anti-dismantling report

Detection area (shown in figure 2)

Detection area (Chart 2)

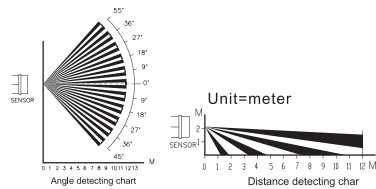


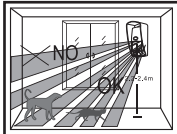
Figure 2

IV. Installation:

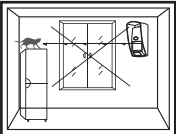
Installation height: 2.2-2.7m;  
Working temperature: -20℃-50℃;  
Storage temperature: -20℃-60℃;  
Anti-visible light interference: larger than 6500LUX (indoors);  
Overall dimension: 120\*62\*46 (mm); cover: 135\*35\*70mm

V. Considerations for installation

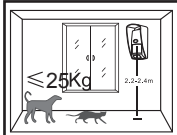
5.1 Installation manual for pet immunity



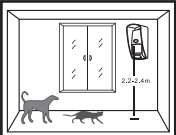
The top of the detected area is non pet area



Never face the detector ground



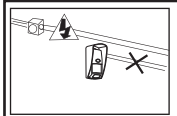
Pet immunity: ≤25KG pet



Anti PET: 2.2-2.7m

Remark: please pay attention to the following condition to avoid that it is unable to use normally after installation.

5.1 Guide for installation



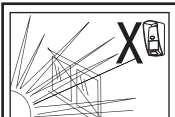
Do not install near high voltage power line



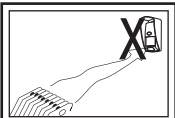
Don't select a place without stable foundation for installation.



Don't install facing metal wall.



Do not install face the sunlight.



Do not install facing the cold and heat source.

5.2 There are following three kinds of working mode settings

- ① Detection mode: after the detector is triggered, it cannot be triggered for alarm unless the interval is more than 5 seconds.
- ②Battery saving mode: Interval time of making alarm is three minutes
- ③Code Mode: Pressing the tamper button lasting three seconds to send an identifier to rece

Plunger pin operation

- FULL Testing mode
- NORM Battery saving mode (Default)

5.3 There are following three kinds of pulse setting

- 1 pulse: Alarm against detecting one pulse signal
- 2 pulses: Alarm against detecting two pulses signal
- Three pulses: Alarm against detecting three pulses signal

Plunger pin operation

- PLUS1 1 pulse (Default)
- PLUS2 2 pulses
- PLUS3 3 pulses

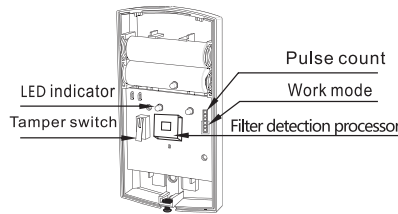
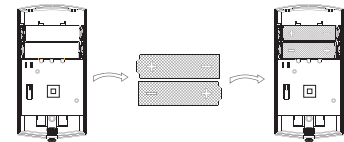


Figure 3: internal structural diagram

5.4 How to replace batteries

The batteries need to be placed when the host was sent a low battery single, please take the detector cover off and put batteries in by matching correct positions of passive and negative (see below chart)



Replace battery

VI. The method to make test in the covered area

- 6.1. Adjust the product to the optimal direction so as to make test;
- 6.2. At the far end of the covered area, perform transverse movement within the detection scope with the speed of 1 step/second from any direction (about 0.75m/s). The protect will alarm after detecting and the LED light is on for 3 seconds (shown in figure 5)
- 6.3. Carry out pacing from the opposite direction to ensure that perimeter of two sides point towards the center of the protected area at the detection center.
- 6.4. If the ideal detection distance is not obtained, adjust the detection scope up and down to ensure that the detection point towards proper high and low scope.
- 6.5. After adjustment of the detector angle is completed, walk test should be conducted again. Remark: After the walk test is qualified, set the test mode to the factory default mode.



Figure 5

VII: Cleaning and protection

The detector may be polluted with dirt after long-term use. At the moment, wet cloth may be used to wipe. Plenty of water is not allowed. Otherwise, the water may penetrate into the inside of the box cover, which may result in burnout of circuit.

VIII. After-sale service

8.1. Although our products have stable function, due to the limitation of its low pressure and use scope, we cannot guarantee that the alarm condition occurred in any condition can trigger the main body to give out alarm or not to give out alarm. The following is some common phenomenon.

1. When the supply voltage of the detector is not sufficient, the product does not provide detection output alarm. Please check the power supply.
2. When installation environment of the detector results in mistaken alarm and not alarm, please inspect environmental temperature and surrounding interference measures.

If you need help, please contact the distributors for technical support. Good bye!  
Welcome to come again!