



Wired Ceiling PIR
ST-03S

* This product is a networking accessory that needs to be used with the company's gateway

> Product overview

The detector USES imported sensors and special infrared processing chips to detect the infrared spectrum of the human body. When the human body is in the detection range, the microprocessor will alarm the detected signal after comparison calculation. The detector has a strong temperature compensation function, which solves the problem of weakening infrared detection ability caused by environmental temperature change to a certain extent. Ceiling installation, concealed and beautiful, suitable for the protection of living room, corridor and other areas.

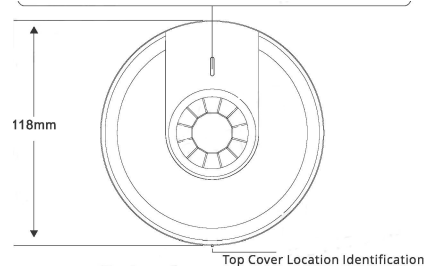
> Product features

- The whole process temperature compensation, adaptive temperature changes
- Anti-white light interference
- Anti-electromagnetic interference
- Low power detection, low power report
- Two-stage infrared gain adjustable
- Easy to install, beautiful and generous
- MCU intelligent processing

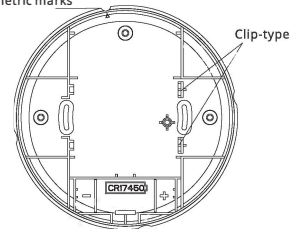
> Technical parameters

- Power: DC9-15V
- Standby current: $\leq 25\text{mA}$
- Transmitting current: $\leq 10\text{mA}$
- Alarm output: 5s
- Operating temperature: $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$
- Sensor type: Dual element pyro-electric IR sensor
- Installation: Ceiling
- Installation height: Ceiling: 3-5 meters
- Detection Angle: 360°

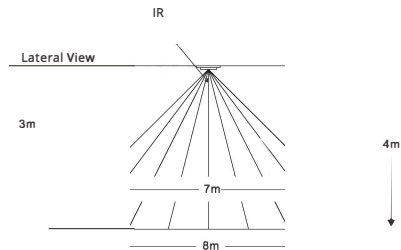
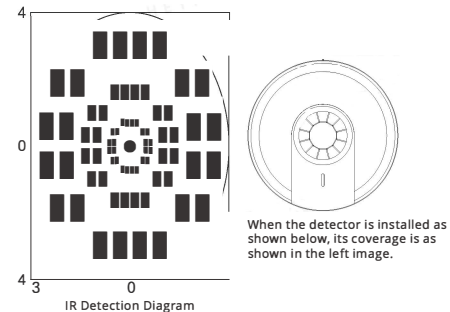
The red light flashes each second: detector initializing
The red light flashes for 5 second: the detector be triggered



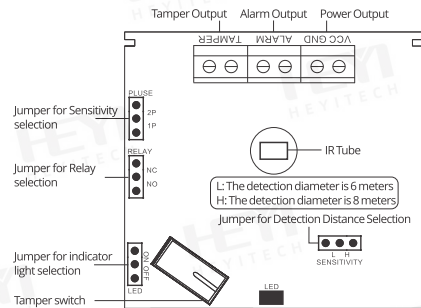
Grooves, trigonometric marks



> IR Detection Sector Chart



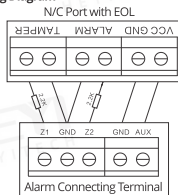
> Product overview



Sensitivity selection instructions:

- 1P is single pulse mode with high detection sensitivity and is used in general indoor environment.
- 2P is a double pulse mode with strong anti-interference capability for severe environment.

Wiring Diagram



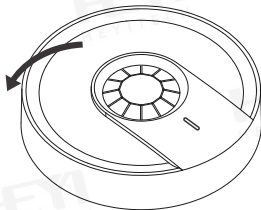
The cable should not exceed the following length

| Cable Should Of Size | 12m DC |
|-----------------------------|--------|
| AWG22(0.33mm ²) | 170m |
| AWG20(0.52mm ²) | 270m |
| AWG18(0.83mm ²) | 440m |

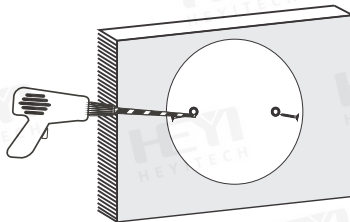
When two or more probes are linked on a wire, the maximum length allowed is the maximum length (shown in the table) divided by the number of detectors used

> Installation and Instructions

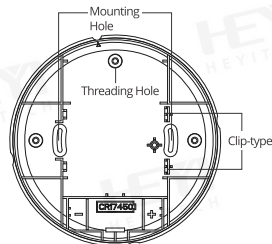
1 Installation



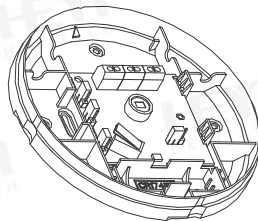
1. Rotate the shell counterclockwise and remove the cover.



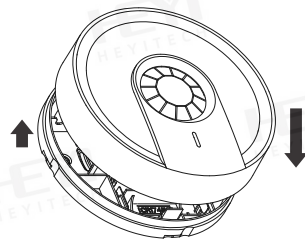
2. Stick the installation sticker on the position to be installed, punch holes according to the circle on the sticker, and insert the equipped expansion nail. This detector can also be installed on the embedded standard 8`6 box, so this operation is not required.



3. Hold the two movable buckles backward, take off the circuit board, and set the installation easy hole position of the lower cover. Align the expansion screw and secure it with the supplied screws.



4. put the circuit board back to the lower cover, then connecting according to the wiring diagram



5. Align the upper cover mounting countersign with the lower cover mounting countersign, close the lower cover, and rotate the upper cover clockwise.

2 Instructions

After installing the detector, the indicator light flashes each second, and the detector enters the initializing. After 60 seconds, the indicator light stops blinking and the detector enters the normal monitoring state. At this time, the user can conduct a walking test in the covered area, the LED indicator light will be on, and the detector will send a wireless alarm signal to alarm panel. The user can adjust the installation position of detector according to the need to obtain the best detection effect. LED jumper is ON/OFF whether the LED indicator light is indicating, which does not affect the normal operation of the detector.

> Attention

1. Please install and use the sensor correctly according to the instructions. Do not touch the sensor surface to avoid affecting the detector sensitivity.
2. Avoid using in an environment where the temperature changes too much in a short time to reduce the occurrence of false positives.
3. This product can reduce the occurrence of accidents, but it cannot be guaranteed to be foolproof. For your safety, in addition to the correct use of this product, in the day often also need to be vigilant, strengthen safety awareness.