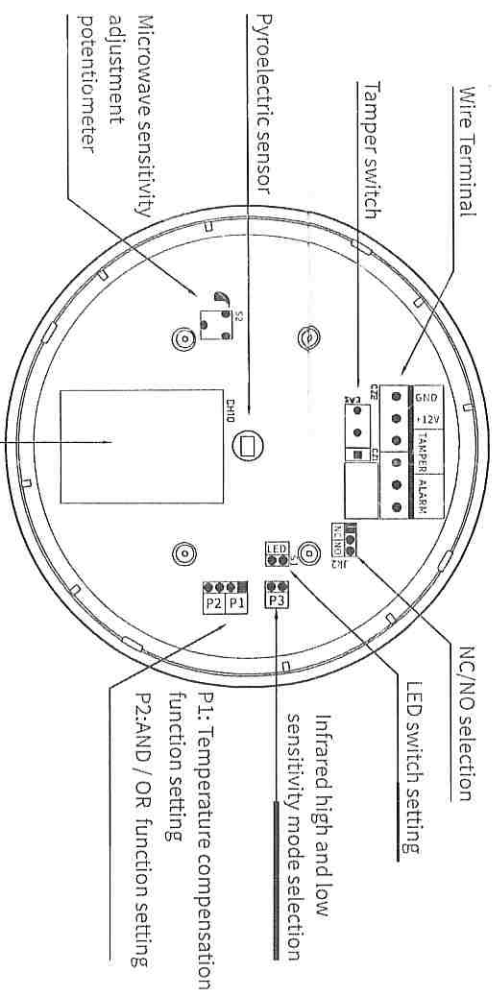


MANUAL FOR TRIPLE TECH INFRARED DETECTOR(V2.0)

1. Product Profile

This product is a infrared +microwave +AI composite triple tech intrusion infrared detector, which uses advanced signal analysis and processing technology to work according to the detection of human infrared spectrum and microwave Doppler effect. Innovative exterior design and flowing lines, with modern home decoration, Blending with the installation environment. Infrared part using the Fresnel lens technology to improve the efficiency of energy received, and microwave parts using advanced planar antenna microwave transmission, which has extremely strong sensitivity. With ultra-high detection and anti-false alarm performance, it can effectively prevent false alarms caused by various environmental factors. It can be applied to the security of banks, warehouses, homes and other places.

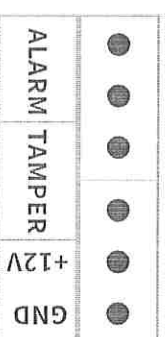
2. Product Diagram



4. Parameters

Power supply	DC10-24V
Alarm current	≤150mA
Self-test time	≤60s
Installation height	2.4-4.8m
Detection method	Infrared, Microwave
Microwave antenna type	Planar antenna
Working temperature	-10°C-50°C
LED display	Green-Infrared
Tamper switch	NC without
Environment humidity	≤95%RH(NC)
Detection range	When the i
Infrared sensor	Dual low no
Relay output	NC/NO can
Dimension	φ110*40mm

5. Wire Connection Diagram

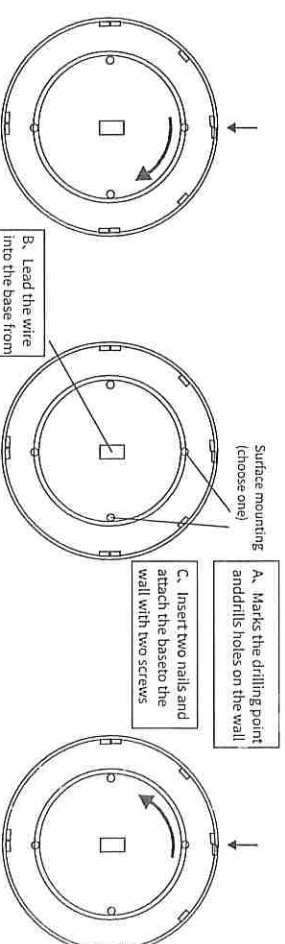


7. Function Settings

- (1) Power on DC12V, the yellow and green lights are always on, the red light flashes, the detector enters the self-test state. After about one minute, the detector enters the normal detection state.
- (2) Test at normal walking speed in the detection area. At this time, the corresponding LED lights. The green indicates that the infrared is triggered; the yellow indicates that the microwave is triggered; the red indicates that the detector alarms and the relay is working.
- (3) P1 jumper: Used for temperature compensation.
If environment temperature changed, it will lead to changed signals for the thermistor sensor. If P1 jumper plugged in, set for temperature compensation, the detector program will adjust signal data automatically when detected the environmental temperature.
(Default factory setting is temperature compensation mode -----P1 jumper with short circuit mode)
If P1 jumper is plugged out, the auto temperature compensation function is off, the detector's ability to resist temperature interference is weak.
- (4) P2 jumper: Used for "AND", "OR" mode selection
If the P2 jumper is plugged in, set to "OR" mode, the infrared or microwave is triggered, the detector will alarm;
If the P2 jumper is plugged out, set to "AND" mode, infrared and microwave are triggered at the same time, the detector will alarm. (Default factory setting is "AND" mode -----P2 jumper is plugged out)
- (5) P3 jumper: Used for infrared sensitivity setting for detector.
If P3 is plugged in, the detector infrared sensitivity is low, anti interference is better, adopted for indoor bad environment.
If P3 is plugged out, the detector infrared sensitivity is high, adopted for normal indoor environment. (Default factory setting is high sensitivity mode -----P3 jumper is plugged out)
- (6) JK2 jumper: Used for alarm output "NO" / "NC" setting
If JK2 jumper inserted in the "NC" position, it is "NC" mode (Default factory setting is "NC" mode)
If JK2 jumper inserted in the "NO" position, it is "NO" mode.
- (7) S1 jumper: Used to control the LED indicator open and close.
If S1 jumper is plugged in, the LED light is in the normal working mode, and the working state is indicated with the function of the detector; (Default factory setting -----S1 jumper is plugged in)
If the S1 jumper is plugged out, the LED light circuit is disconnected, and all indicators are off, but it does not affect the normal operation of the detector.
- (8) Microwave sensitivity adjustment potentiometer: Used to adjust the microwave detection range. Users can adjust it according to actual needs.
Adjust clockwise, the microwave sensitivity becomes smaller, and the detection range becomes smaller;
Adjusting counterclockwise, the microwave sensitivity becomes larger, and the detection range becomes larger. (Default factory setting is detection range is moderate, the potentiometer is turned counterclockwise to the horizontal middle position)

8. Installation Instructions

- ① Turn the base clockwise while pressing the housing to open the detector. (Figure 1)
- ② Installed on the ceiling 2.4 ~ 4.8m above the ground. (Figure 2)
- ③ Install the housing and rotate the base counterclockwise to buckle up. (Figure 3)



9. Installation Location Selection And Precautions

- (1) Installing the detector in the place where intruder pass easily and installation height of 2.4 ~ 4.8m will be better.
- (2) The installation location should avoid being close to air conditioners, electric fans, refrigerators, ovens and objects that can cause temperature speed changes, and at the same time avoid direct sunshine on the detector.
- (3) Don't place other objects in front of the detector to avoid blocking the detector and affecting the detection effect.
- (4) Surface of installation should be firm with no vibration.

10. Notice

- (1) Please install and use the detector according to this manual, don't touch the surface of sensor for avoiding affecting the sensitivity of the detector. Please shut off power and then clean the sensor by soft cloth with little alcohol if cleaning needed.
- (2) The product can reduce accident but may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.
- (3) In order to ensure it can work normally, the power should be kept to supply and get on walking test periodically, once a week is better.