

# Booklet

## Feel technology Enjoy security

Distinguished customers thank you very much for buying the infrared anti-theft barrier product. Before using the product, in order to use our product properly, please read the booklet carefully.

### 1. Summarizing

You can use our product both in and out the product of high-tech modern aptitude, it is easy to handle, beautiful appearance. It can be applied to some important places such as department, school, villa factory etc. It can be installed in fence, door, window, balcony, protect and give an alarm. Protect the safety of you and your belongings.

### 2. Performance

2.1 Aptitude judgment: when the theft comes into the protective district, it stop the two or more infrared. which over 40ms will give out the alarm. Can effectively prevent the traditionally wrong alarm deficiencies.

2.2 Recognize object: can distinguish the size of the traversing object, when the lawless intruder came it will give the alarm, it doesn't happen when the intruder is a cat or a dog. You do not bother to open the window.

2.3 Good reliabilities: anti-cutting function disturbs technology. Prevent the intruder adopt deceive or destroy ways.

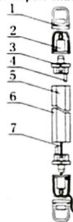
2.4 Anti-rain-wet: Anti-rain function can be used out door of wet places.

2.5 Beautiful and reliability of the structure the crust is mainly high quality alnico material the surface is with sprout and mould disposal, firmed durable: import filtrate flake filtrate visible light.

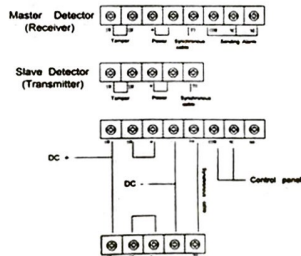
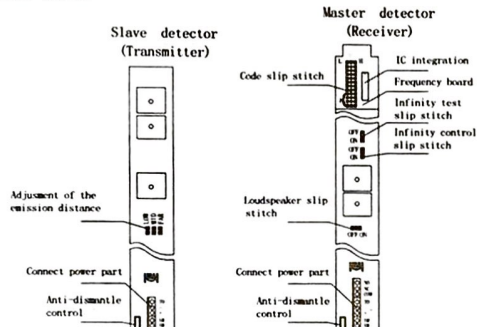
2.6 Install and debug easily: When the installation seat in faxed it can be revolved 360°

### 3. Parts name

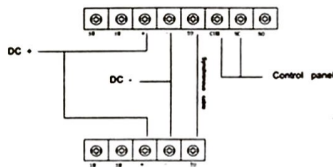
1. protective lid
2. installation seat
3. the line seat
4. protect disconnect flake
5. infrared flake
6. mercurial
7. expand line



### 4. Cable connect

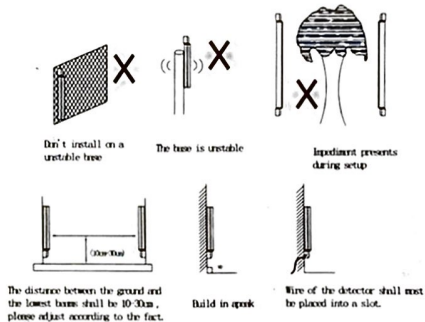


The first connect the line method



The second connect the line method

### 5. General guidelines

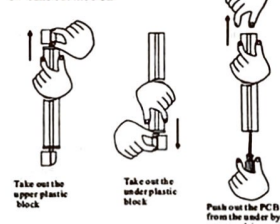


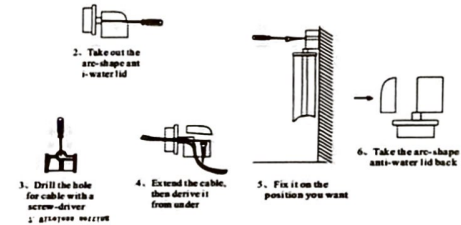
### Special attention:

- To avoid the cut of power, which may cause the wrong alarm, we suggest the user the special UPS power, ensure to charge the batteries, when the power was cut off, it automatically change to use the butleries, it is forbidden to use the inferior power.
- Please choose the appropriate infrared according to it is type to make sure the exertion of it is performance.
- Avoid the irradiation of sharp light or lamplight.
- Keep the clear of the outer cover, Make sure the function of the detector.
- Suggest the power supply of use the direct current 12V~18V 500mA, go together with the line please choose to use the 0.5 mm<sup>2</sup> ( diameter 0.8mm)
- TO avoid wrong alarm or no-alarm, and the outside condition is not so good, the emission end should connect 'FAR' to avoid wrong alarm, only the reflect signal is too intense to alarm, the emission end connect the; 'LOW', to avoid reflection which cause no-alarm or wrong alarm.

### 6. Installation and setting

#### 1. Take out the PCB

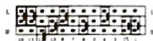




7. Wireless setting

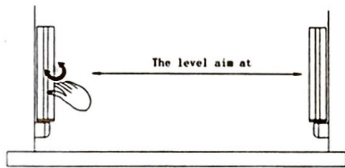
Electric resistance  
(Note: match with mainframe please indeed recognize whether the electric resistance size is consistent or not)

"L" is even for low electricity, "H" is even for high electricity, short connect "L" to mean to "2", Short connect "H" to mean to "1".  
Hang to get empty to mean to "0".  
1-8 is the address code, 10-13 is a data code

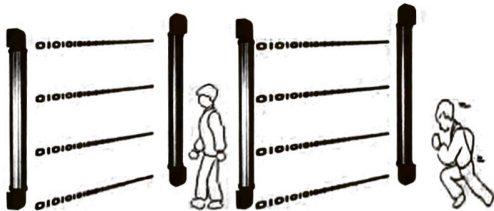


Hang empty Short connect  
Above code, the address code read number is "11020102"  
The data code is "2201"

8. Adjust to try



Adjust the housing horizontally for the best result (it is normal when buzzer silent)



Test by 0.3m/s

Test by 4m/s

Attention: both of the tests pass, will be successful

9. Technique parameter

Light bundle quantity	2 beams	3 beams	4 beams	6 beams	8 beams	10 beams	
Total machine length (cm)	36	53	71	124	166	208	
Total machine weight (kg)	0.48	0.58	0.68	1.08	1.58	1.98	
Max Static State Consume Electricity (mA)	Cast light machine	≤90	≤160	≤60	≤175	≤175	≤185
	Receive light machine	≤70	≤70	≤70	≤70	≤70	≤70
Alarm distance (m)	5	5	5	5	5	5	
	10	10	10	10	10	10	
	20	20	20	20	20	20	
	30	30	30	30	30	30	
	40	40	40	40	40	40	
	50	50	50	50	50	50	
	60	60	60	60	60	60	
80	80	80	80	80	80	80	
100	100	100	100	100	100	100	
Power	DC12-18V						
Alarm output	Finites infinity compatibility						
Touch off time	40ms						
Alarm speed	Alarm time ≥ 1.5sec						
Light axis fix time	Level: 180° (±90°)						
Environment conditions	Environment temperature -35 °C ~ +55 °C comparative humidity ≤ 95%						

10. Trouble checking

Fault	Cause	Solution
The LED of the transmitter Or the receiver doesn't Light up	Power failure (open circuit, short-circuit, etc)	Check the power wiring
The LED of the receiver doesn't light up when the Light is blocked	1. By reflecting, or light from other sources enter the receiver 2. Both beams are not blocked at the same time	1. Remove the reflecting object or change the direction of beam. 2. Block both beams at the same time
The receiver alarm indicator or ON after the beam is blocked, but there is NO alarm signal output	1. Broken circuit or short-circuit of the wiring 2. Poor contact	1. Check the wiring and contact 2. Contact the cable
The alarm indicator of the receiver is constantly ON	1. The beam doesn't match closely 2. There is obstacle presents between the transmitter and the receiver 3. The cover is polluted	1. Re-adjust the beam 2. Remove the obstacle 3. Clear the cover
Intermittent alarm signal output	1. The supply voltage does not reach 12V or higher 2. The potential obstacle appears to the block the beams due to the effect of wind and rain 3. The installation base unstable 4. The beam coincidence accuracy is inadequate 5. Beams blocked by other moving objects	1. Check the supply power 2. Remove the obstacle or change the location 3. Select a site with a stable base 4. Re-adjust the optical axis 5. Adjust the shade time or change the install location