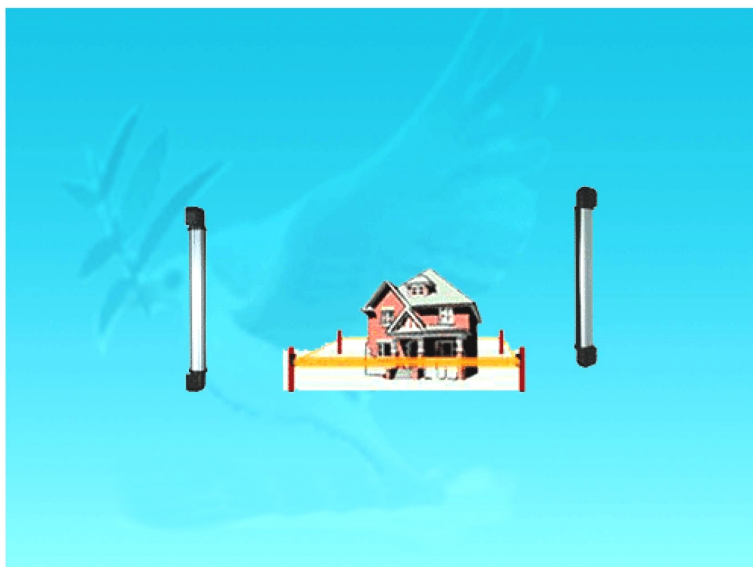

Easily protect your veranda, window, terrace,
bounding wall and fence!



Multi-Beam Fence Detector

User Manual

Ver 2.00 Date Issued:2007-02-10

Brief Introduction

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1. Summary

The Wireless/Hardwire Electronic multi-beam Fence was Made up of high-grade aluminum alloy shell and selected elements, with good whole stability, high reliability, powerful anti-disturbance capacity; Can resist rain, fog and snow, can be used outdoor in any weather; Resistant to dismantle, shear or move, dual-beam identification principle can effectively prevent little animals or birds or other small objects to cause wrong alarms; High sensitivity, three-grades adjustable guarding distance, AGC circuit design; Beeper sound indicating whether system is mis-aligned. Apply to veranda, window, and terrace, bounding wall, fence and so on!

2. Technical Specification

Operating voltage: DC12 - 18 V;

Operating current: Receiver $\leq 35\text{mA}$; Transmitter $\leq 75\text{mA}$;

Response time: less then 40ms;

Correlation distance: outdoor 5m / 10m /20m /30m /40m /60m;

Number of beams: 2 or 3 or 4 or 6 or 8 or 10 beams;

Operating frequency: 315MHz /433MHz;

Transmission distance: 100m;

Ambient temperature: - 30 Celsius degree - +50 Celsius degree;

Operating humidity: $\leq 80\%$

3. Application

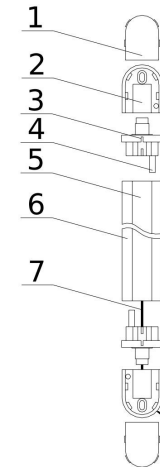
Apply to veranda, window, and terrace, bounding wall, fence and so on!

4. Features

- A. Intelligent judgment: when the Intruder or Burglar breaks into the protective areas, two or more infrared beams should be break down if the beams is intermitted over 40ms, the Beam fence will intelligent judge there is a burglar or intruder, and send an alarm signal to the host machine at once.
- B. Intelligent distinguish dog, cat or birds: can distinguish the size of the traversing object, when the intruder or burglar through the Fence protect area, he would break down two or more infrared beams, the Beam fence will be triggered. But when a cat or a dog or a bird through it, they can't break down two or more infrared beams at the same time, so the beam fence will not be triggered. So you can open the windows at any time and don't worry about intruder break into your home or office.

- C. Reliabilities: Have anti-cutting function and anti-disturbs function. Prevent the intruder adopt deceive or destroy means .can protect you home effectively.
- D. Waterproof: Waterproof function and can be used out door of wet places.
- E. Easily Installation and debugging:when after set the fixture,the beam'visual angle of send and receive can be rotated with 360°easily.
- F. Multi-grades protection selectable: the user can choose the protect grade, Hi-grade protection and General grade protection.

5. Structure



Note:

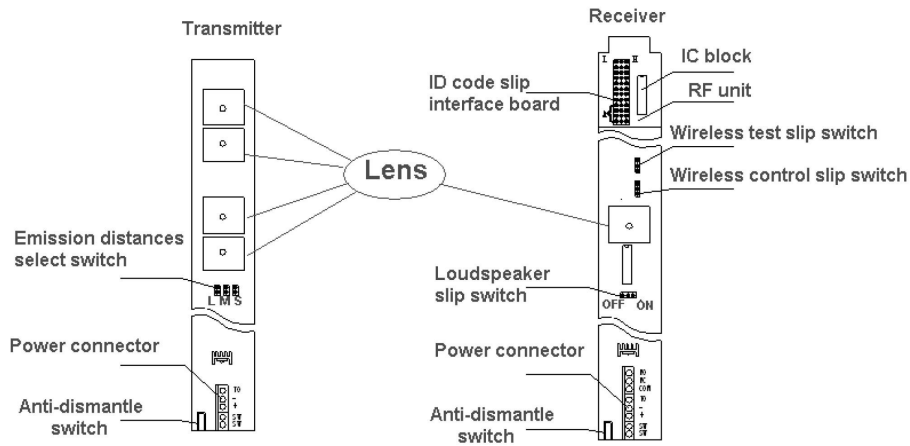
- | | | |
|--------------------------------|-------------------------|-------------------------------------|
| 1-----Protective cap | 2-----Installation slot | 3-----Power wire slot |
| 4-----Anti-dismantle protector | 5-----Infrared unit | 6-----Base plate 7-----Down-lead |

6. Installation method

- a. The beam fence is apply to the places where need protect. Such as door, window, balcony, aisle etc.
- b. Select the fix location, make sure the infrared beams should be broken down when the intruder break into the protective areas. Make sure the four holes of the installation seats at the same plane, so the Transmitter and Receiver can parallelism.
- c. Use screwdriver or others to wear through the underside of installation seat line of the protective barrier, let the power line through the seat, then through the hole the down-line scat finally install the power line according to it is '+ -'and screw it down
- d. Drill a hole in the installation faces with the 6 drill rail the plastic pole, and then fixes it with M4 screw.

- e. Make sure the Transmitter is correspondent with the Receiver: when it was galvanized, the emission part indicate green light, at the working time, the red light was intermission, when it was level, the red light of receive was distinguished the louder speaker do not give sound; when any of the two neighbor light was shutoff by the light tight object, the louder speakers give out intermission sound, and give out the alarm.

7. The inner structures



◆ Note:

For the Receiver units:

SW: the two parts of the Anti-dismantle switch, when the Down-lead was Normal installation, the close----not alarm, but if the Down-lead was pull out, will alarm.

+: Connect to DC +12V

-: Connect to DC -12V

TO: the same as the Transmitter “TO”

COM: Commonality Power output connector

NC: Power output closed end (Normal working)

For slip switch piece units:

Louder speaker slip switch: ON / OFF stations.

Wireless control slip switch: 'REMOT' connect to ON be routine use, connect to TEST is under the condition of test. Control the wireless open or close.

ID code slip interface switch: Use to select RF data, Area A is data code. Others are address code (L means low voltage level and H means high voltage level).

For the Transmitter units:

SW: the two parts of the anti-dismantle switch, the extensive seats indicate 'close' when it was installed right. When the extensive seat was pull out, indicate, 'open'.

Emission distances select switch: “LOW” means close distance, “MID” means mid-distance, “FAR” means far distance.

+: Connect to DC +12V

-: Connect to DC -12V

TO: When connect to the Transmitter and the Receiver with an electric wire, it means set to high grade protection mode; and If you don't connect them, it means set to General grade protection mode. If the connect electric wire was broken by somebody else, the beam fence will alarm immediately.

◆ Special attention:

The 6,8,10 beams fence while installing with 10 meters should choose high grade protection mode. Please retain a space to connect the “TO” points from the Transmitter and Receiver. In order to avoid wrong alarm or no-alarm, when the outside condition is very bad, Please select the Emission distance switch to “Far” position in the Transmitter. Only when the reflect signal is too intense to alarm, can select to the “LOW” position.

8. Parameter

Number of Beams	2	3	4	6	8	10
Effective length(cm)	28	45	63	116	158	200
Total length(cm)	36	53	71	124	166	208
N.W.(Kg)	0.48	0.58	0.68	1.08	1.58	1.98
Correlation distance(m)	10	10	10	10	10	10
	20	20	20	20	20	20
	30	30	30	30	30	30
	40	40	40	40	40	40
	60	60	60	60	60	60

Warranty Card

Model _____ Product ID _____

Date of Purchase _____

Date of Production _____