CN2HK LIMITED

Wireless Infrared Fence Beam Detector
(CK-HA0230)

User Manual

Please read this manual before operating this product.

After you finish reading this manual, store it in a safe place for future reference.

ENG

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE Mark Warning

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

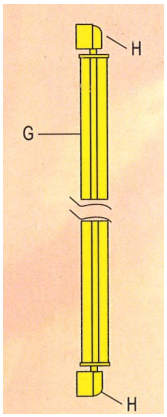
Product Introduction

- Good property of anti-interference, well-organized capacity of anti-destruction, the most intelligent infrared theft protection system, all-weather outdoor usage, totally air-proof design, perfect for indoor and outdoor perimeter security.
- Wireless System, install on windows, doorways, skylights, fence tops in some important place such as department, school, villa factory, ect, and any place where space is limited.

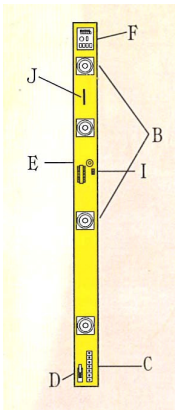
Key Technical Specifications

Product Name	Active Infrared Fence Detector
Light Bundle Quantity	2 Beams
Max Static State	<=90
Consume Electricity (mA)	<=70
Light Bundle Distance	30m
Alarm Distance	40m
Power	DC12-18V
Alarm Output	Finites Infinity Compatibility
Touch off Time	40ms
Alarm Speed	Alarm Time>=1.5sec
Light Axis Fix Time	Level: 180°C (±90°C)
Environment Conditions	Environment Temperature: -35°C+55°C Comparative Humidity: <=95%
Housing Material	Alloy, Plastic
Housing Color	Black, White
Size (Each One)	38 x 3.5cm/ 15" x 1.4" (L*D)
Net Weight	333g
Package Content	Pair x Active Infrared Fence Detector 1 x English Usage Manual Installation Parts

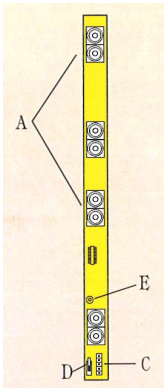
Product Interface



General



Receiver

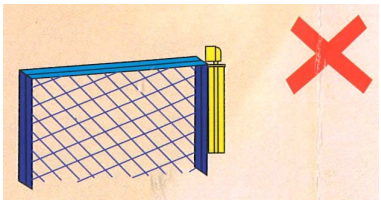


Transmitter

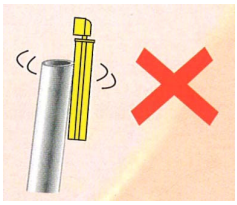
A: Transmitter Module
B: Receiver Module
C: Wiring Terminals
D: Anti-Tamper
E: Siren
F: Wireless Module
G: Aluminum Case
H: Stands
I: Siren ON/OFF
J: Wireless Module ON/OFF

Cautions and Storage

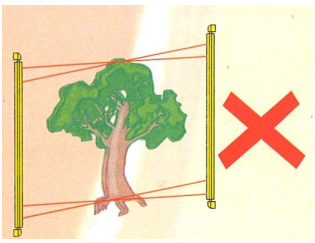
Cautions



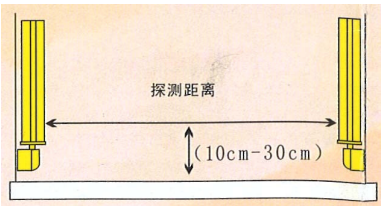
Don’t install on moving objects



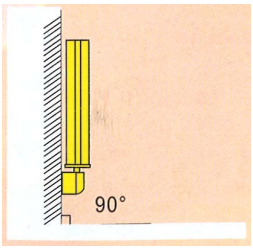
Don’t install on unstable stand.



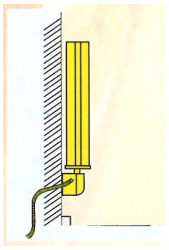
No Obstacles between transmitter and receiver



The lower beam should be around 10-30cm above the ground.



Please install sensors perpendicular to ground

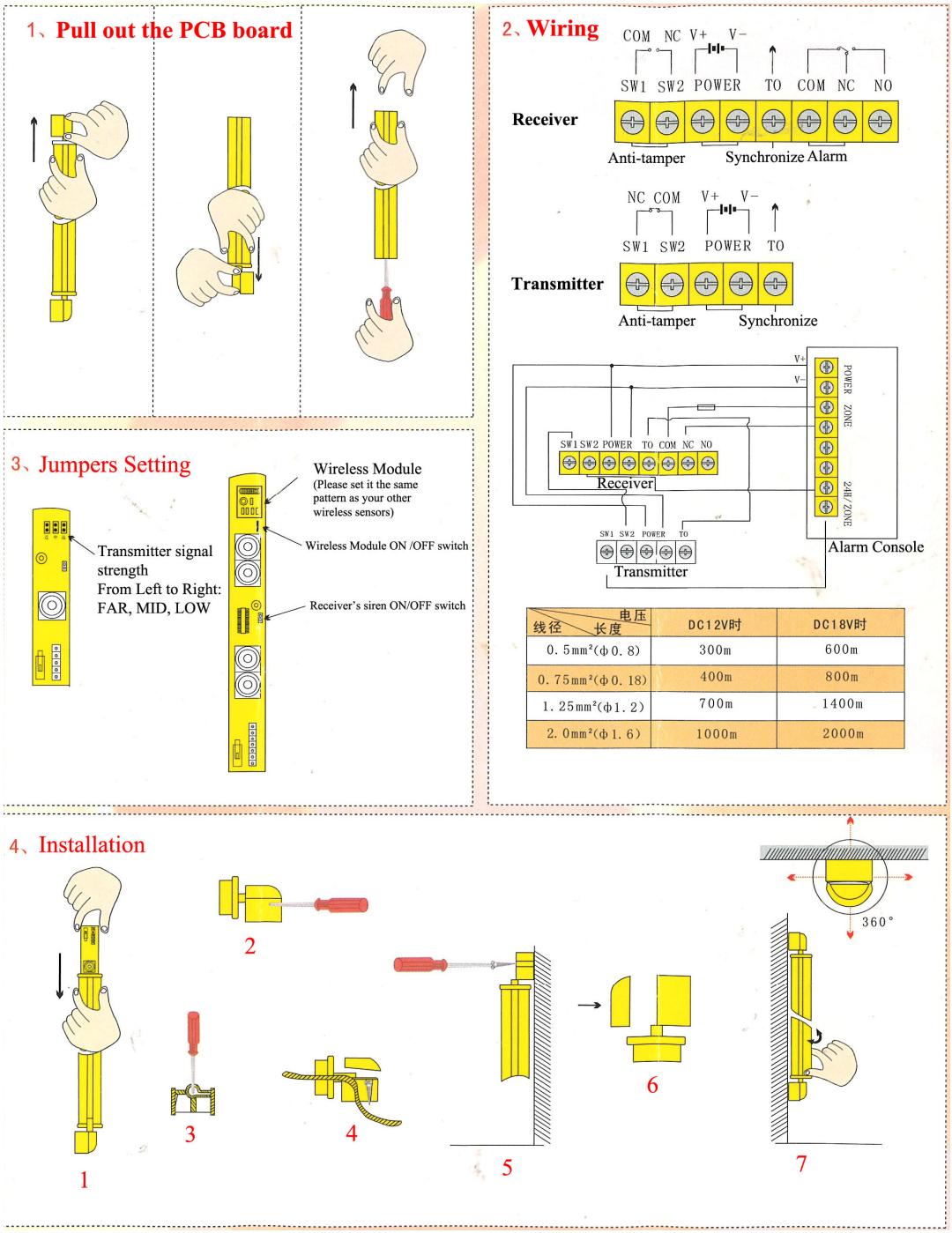


Wires should not be revealed outside

Storage:

1. The terminal that is packed or not could piled up no more than 10 layers.
2. The terminal should be saved in ventilate and dry place.
3. Don’t knock the terminal to avoid breaking the case.

Installation and Setup Method



线径 \ 电压 / 长度	DC12V时	DC18V时
0.5mm²(Φ0.8)	300m	600m
0.75mm²(Φ0.18)	400m	800m
1.25mm²(Φ1.2)	700m	1400m
2.0mm²(Φ1.6)	1000m	2000m

1. Push back the PCB board
2. Use screwdriver to take off the round waterproof head cover
3. Make a hole for wires
4. Wires pass through the hole
5. Tighten it
6. Install back the round head cover
7. Adjust the angle to maximize the performance