

Digital Active Infrared Beam Detector

User Manul

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, etc to 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 two or more infrared beams, which over 40ms will give out the alarm, Can effectively prevent the traditionally wrong alarm deficiencies. **(Duplex detector can absolutely anti sun-light interference)**

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, it can be revolved 360°, Three grade alert distance can be adjusted, convenient & sensitivity; the bracket adopt to updated case design, more easy for installation.

3. Installation method

3.1 The product is installed in the places where need protect. (Such as door, window, balcony, and aisle)

3.2 Fix the location. Make sure the protective beam of light can shutoff the objective aisle. Mark the four holes of the installation seats. Make sure the transmitter & receiver parallel and level.

3.3 Use screwdriver or something acute to wear through 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.

3.4 Drill a hole in the installation faces with the 6 ϕ driller nail the plastic pole, and

then fix it with M4screw.

3.5 Make sure the emission part is correspondent with the receiving part: when it was galvanize, 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. Attention; when adjust the point of view; you had better under the fierce sunlight or when there has fog.

3.6 Screw down the emission part and the receiving part of the installation seats. And then cover the installation protective lid.

3.7 Under the following circumstances. It also gives out the alarm.

3.71 There was any object that shutoff any neighbor two infrared lights.

3.72 Cut off the emission part or the receiving part.

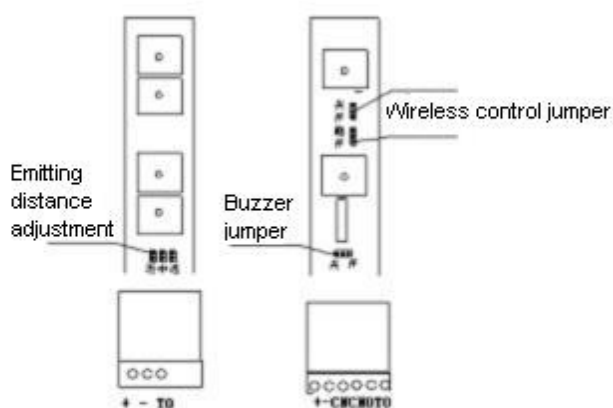
Special attention:

- 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.



4. Wiring illustration

4.1 +DC12V anode

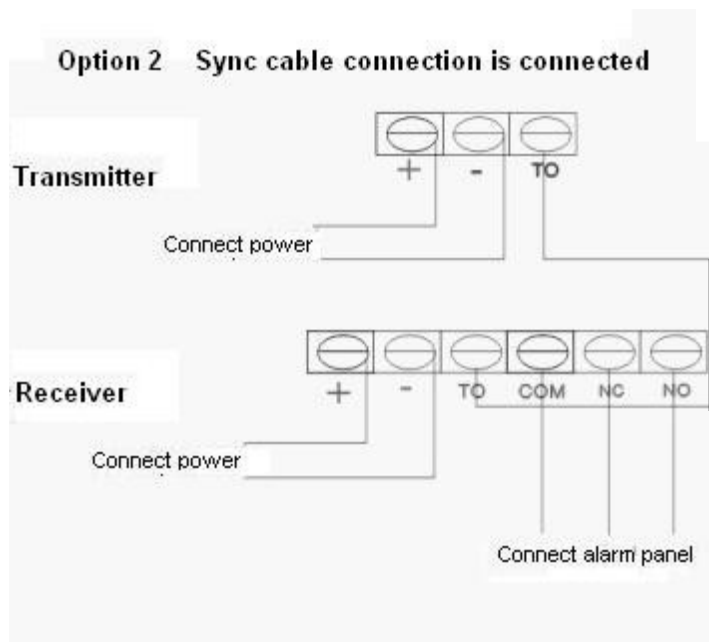
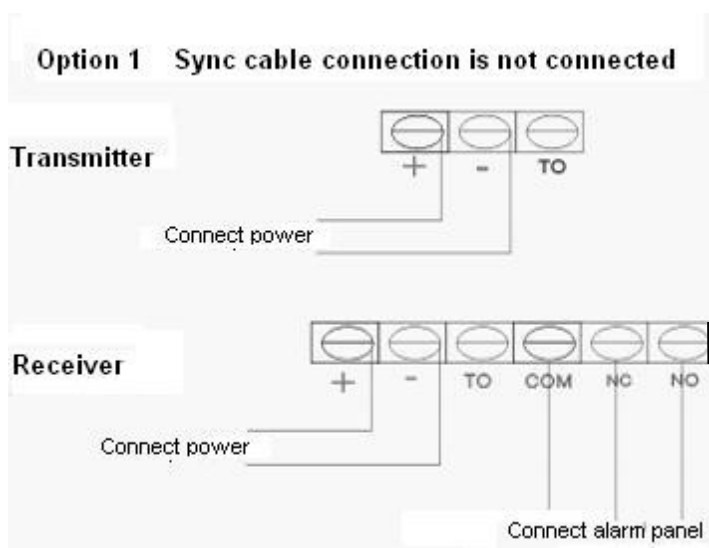
4.2 -DC12V cathode

4.3 TO: Sync cable: Duplex must connect sync cable

4.4 COM: relay output community end

4.5 NC: relay output normal closed (normal working)

4.6 relay output normal opened (normal working)



6. 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) | 20 | 20 | 20 | 20 | 20 | 20 | |
| | 40 | 40 | 40 | 40 | 40 | 40 | |
| Power | DC12-18V | | | | | | |
| Alarm output | Finities infinity compatibility | | | | | | |
| Touch off time | 40ms | | | | | | |
| Alarm speed | Alarm time≥1.5sec | | | | | | |
| Light axis fix time | Level;180°(±90°) | | | | | | |
| Environment conditions | Environment temperature-35℃ ~ +55℃ comparative humidity≤95% | | | | | | |