

- Insert cable and connect it with the terminal (Fig.4)
- 12VDC: Power supply input
- ALARM: NC dry contact relay
- TAMPER: NC dry contact relay
- Replace front cover. Install the detector on the bracket correctly.

FIG.1



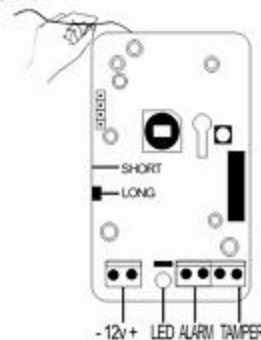
FIG.2



FIG.3



FIG.4



iDo301/iDo301PT is a compact detector which has been designed special for residential installation. It has features as the strong ability to catch signal, false & lost alarm is very low, low power consumption and true temperature compensation. Equipped with professional pigmented optical lens to resist the interference of white light, High technology, Smart manufacture, elegant appearances are all shown in our products. IDo301 can be equipped with RA93 swivel bracket for ceiling, wall or corner mounting.

iDo301- detective range is 10m×10m;  
iDo301PT detective range is 8m×8m, with PET immunity for a 20kg dog, 2 cats.

#### Installation

- Select a location so that an intruder will cross the infrared beam pattern (Fig.1). Do not mount the detector face direct to sunlight or near heat sources.
- Install the swivel bracket. (Fig.2)
- Open the cover (Fig.3)
- Remove knockouts for cable entry (Fig.4)

#### iDo301/iDo301PT PIR DETECTOR



#### Walk Test

- Power the unite and wait it stabilized (>2 minutes)
- Walk through the protected area (fig.1). Observe LED, confirm detection coverage.

#### Adjusting PCB

- Adjust PCB according to the room size.(fig5)
- For normal room size 6-10m : set the PCB at Long
- For smaller room size 3-6m: set the PCB at Short

#### ● Pulse jumper setting:

- Set jumper in position corresponding to the desired pulse count (fig.6). Normal is count 2, more sensitive is count 1. Less sensitive is count 3.
- LED On/Off: the jumper is used for the LED on or off (fig.7)

#### Specification

- Operating Voltage: 9-16VDC
- Current: 12mA
- Contacts of Alarm: NC, 12VDC, 100mA max
- Contacts of Tamper: NC, 12VDC, 100mA max
- Time to Alarm: 2.2s min
- Time to Warmup: 2 minutes
- RFI Characteristic: 22V/m at 10Mhz to 1Ghz
- Operating Temperature: -5°C to 50°C
- Storage Temperature: -20°C to 55°C
- Size: 89×52×39mm
- Suitable Swivel Bracket: RA93
- Height of Installation: 2.1-2.4m

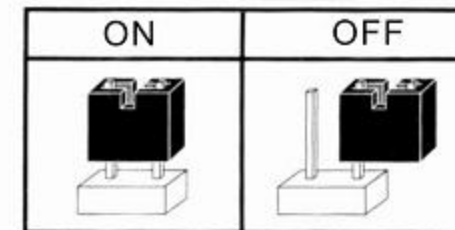
#### Roiscok Warranty

ROISCOK Electronics Co., Ltd. and its subsidiaries to ensure its products in 18 months to give the buyer after-sale protection. Unless man-made damaged or used improperly, the seller promises the buyer of its product quality, and during this period to give a free replacement or repair. Any agent, installer or salesperson shall not shirk any pretext the reasonable demands of the buyer.

After the warranty time, the seller still commit good service to the buyer, and the appropriate charge.

No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty. All products should be test at least once a week.

FIG.7



Jumper Positions

FIG.5

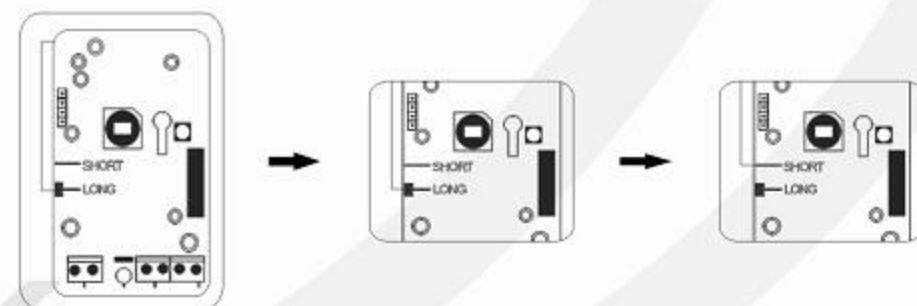


FIG.6

