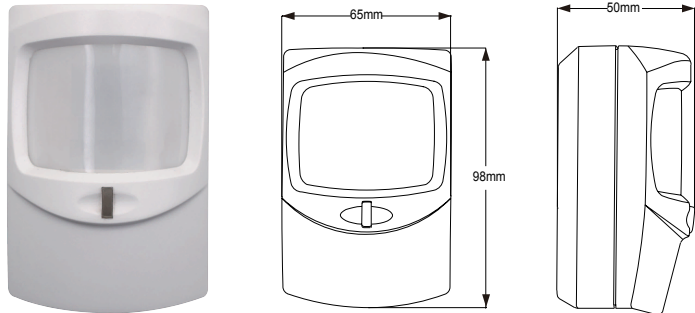# LX-AL6 Sensor Alarm Instruction

Summary

The product is a new type of sensor switch; it adopts infrared energy detector, IC and SMD technology. When one enters the product's detecting range, the infrared sensor work and output signal to its matched control unit, the control unit will alarm.
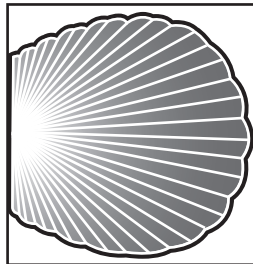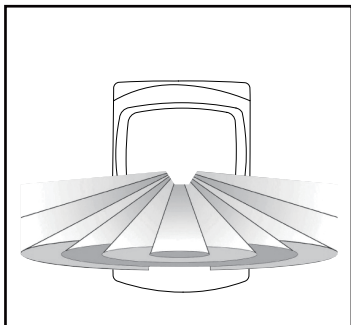
65mm

98mm

50mm

Features

·High interference immune;
·Tamper switch;
·Prevent false alarm design: you can select sensing once or twice to output by jumper setting.
·Installation flexible and convenient;

Specifications

Power source: 8~16V/DC
Warm-up time: 60sec
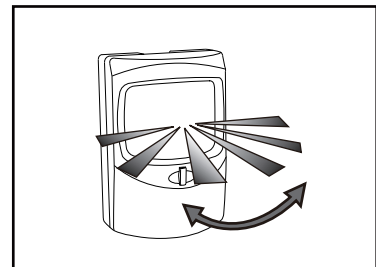Detection angle: 140°
Installation height: 1.5~3.5m

Detection range:12m(max)
Working temperature:-10℃~+40℃
Woking humidity:<93%RH

Sensor information

12m
Correct moving orientation

140°
Detection angle

Mounting

➢ Untighten the end screw and open the front cover;
➢ Loosen the screw fixing PCB;
➢ Remove PCB to the end surface, and take out PCB;
➢ Bore crossing-line holes on the back cover;
➢ Run the wire along the wire slot located on the backside of the back cover and insert it through its prepared hole.
➢ Fix the back cover on the selected position;
➢ Connect power and signal wire to the terminal block according to following diagram,replace the PCB into back cover.; Set vertical adjustment and tighten the PCB screw;
➢ Close the front cover and tighten the screw.

Connection-wire

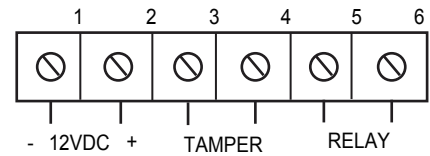**Terminal 1** connect to negative voltage "-"
Terminal 2 connect to positive voltage " +"
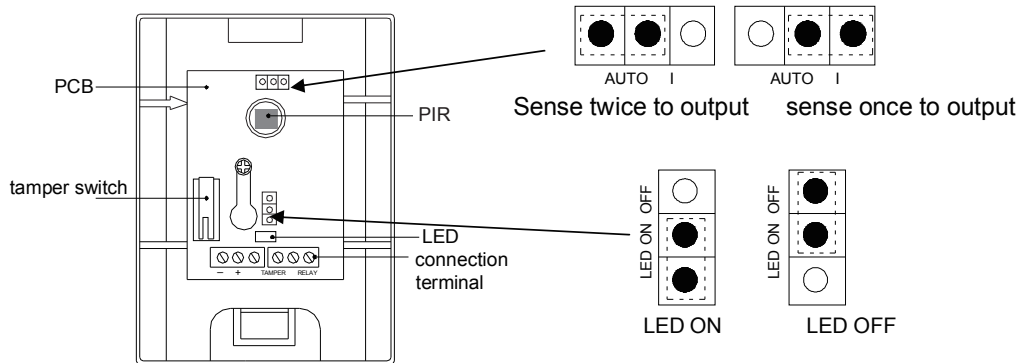**Terminal 3&4** — tamper signal wire
Connect with controlling unit，when close the front cover, the signal wire is connected directly, when the front cover is opened, the connection is cut down and give one signal to controlling unit.
Terminal 5&6 — RELAY
The sensor output terminal.

```
  1     2     3     4     5     6
┌─────┬─────┬─────┬─────┬─────┬─────┐
│  ⊘  │  ⊘  │  ⊘  │  ⊘  │  ⊘  │  ⊘  │
└─────┴─────┴─────┴─────┴─────┴─────┘
  -  12VDC  +     TAMPER       RELAY
```

Jumper setting

PCB

PIR

tamper switch

LED connection terminal

Sense twice to output   sense once to output

LED ON   LED OFF

Tamper test

1．Without tighten screw close the detector;
2．Set the controlling unit to "Armed" mode;
3．Remove the front cover, the tamper switch will activate controlling unit to alarm;
4．Close the front cover, the controlling unit stops alarming

Walk test

1. Switch on power, the LED is red and flash once every 0.5sec, after 60sec the unit enter stable state;
2. Set the jumper on "sense once to output"position, walk In the detecting field, when the unit detect signal once, signal is output and the LED light orange;
3. Set the jumper on "sense twice to output"position, walk In the detecting field, when the unit detect signal once, the LED light green, and then within 15sec when it detect the second signal, signal is output and the LED light orange.

Note

Avoid exposing the detector to direct strong air flow, unstalbe temperature sources and direct sunlight.

⚠ Warning!

● **Please confirm with prefessional installation.**
● **Please cut off power supply before installation and removal operations.**
● **Make sure that you have cut off the power for safety purposes.**
● **Improper operation caused losses, the manufacturer does not undertake any responsibility.**

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles.When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.
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