ROISCOK

ROISCOK ELECTRONICS LTD.

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iDo601
Approach Detector User Manual

Main features

- High stability, low false and weak alarm;
- Detector range adjustable: 0.3-8.0 m;
- Professional design, easy installation and debugging;
- Low static standby power consumption;
- LED working status indicator;
- NO/NC available;

Can work with multiple control panel, DVR and other Central Processing Unit.

Specification

Operating Voltage	DC9.0-16.0V
Static Current	4.5mA,12VDC
Drive Current	23mA
Reaction Time	1 Second
Warmup Time	2.0 minutes,Max
Operating Temperature	-15℃-60℃
Dimension	105x55x26mm

iDo601 approach detector, is mainly used for detecting whether someone close by the prevented equipment and facilities. When somebody moves into the alert zone, the detector will send a signal to the system immediately. The signal can be used to alarm, start the CCTV equipment, start lighting or/and any other electrical equipment in order to protect the system or monitoring.

iDo601 alert zone looks like a half of ellipsoidal shape in front of the detector, the angle of view is 110 °, and the adjustable coverage is 0.3-8.0 meters. iDo601 can detect through the anti-blocking of non-metallic materials.

iDo601 is used in bank ATM for many years, mainly for star the DVR of the bank's CCTV system.

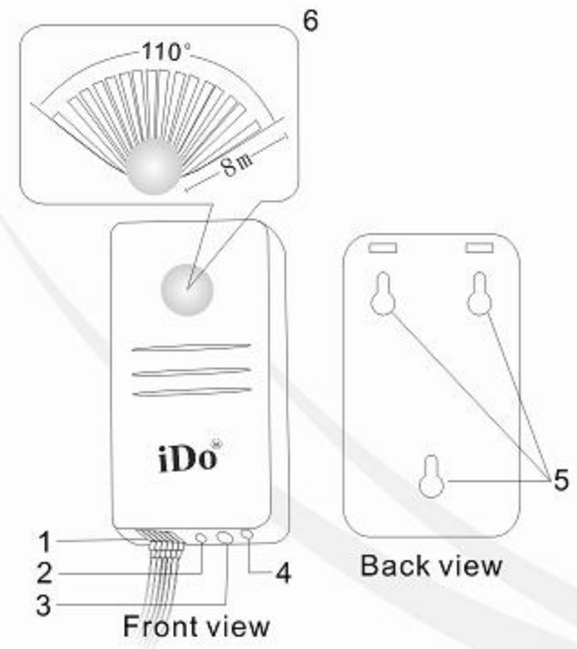

Figure 1. Monitoring area, the structure diagram

To be Pay Attention

1. When number of detectors used in a same location, the distance between them should be greater than 0.5 m;
2. When adjusting the alert zone/area, please select the appropriate tool gently for rotating knob.

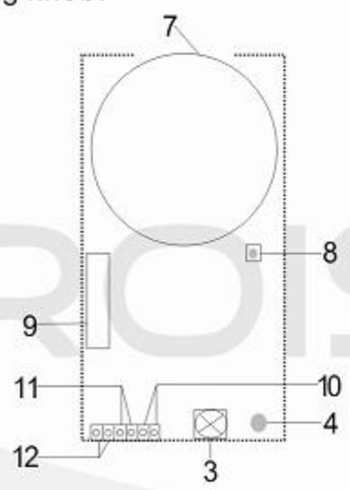

Figure 2. Circuit board diagram

Installation

Step 1. Select the suitable location, ensure the detector can cove required alert area;
Step 2. By screws or / and paste to install the detector fixed;
Step 3. Connect properly iDo601 and control panel. Standard voltage is +12 VDC. The detector will not work when the voltage is lower than9VDC; when the voltage higher than 16VDC, it will lead to components of the detector be destroyed. If the error connecting the positive and negative power supply lead detector be damaged.
The cable of signal output and anti-tamper signal output is not distinction between positive and negative.
Step 4. Power the system. Warm up time around 30 seconds, maximum of 2.0 minutes;
Step5. Testing the alert area. Adjustment the knob to change alert area until to satisfaction.

Alert Area and Structural Description

1. Connector and cables. From the left to the right: the first couple (marked 12) is used for positive power input (+12 VDC), the red cable is used for negative power input; The second couple (marked 11) is used for alarm signal output and the third (marked 10)is for tamper output. (Fig.1 andFig.2)
2. Button stand, used for opening housing. When to open the housing, use a suitable tool to push it inward;
3. Adjustment knob of alert range. Adjust the alert range of 0-8.0m. Rotate anticlockwise to the minimum, and rotate clockwise to the maximum;
4. The working status indicator.
5. Mounting screw holes.
6. Alert zone/area.
7. Sensor
8. Tamper switch
9. Relay