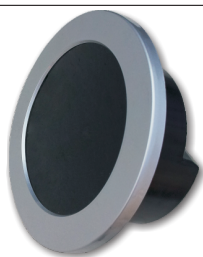


Operation Instruction

M-230 Ceiling Mounted Presence Detector

Make your choice.....

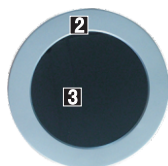


1 Safety Instruction



This device must use protective safety isolation low voltage, and adjustment or maintenance must be done by professional installation contractor.

2 Product

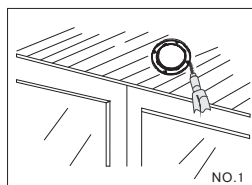


- 1 Bottom cap
- 2 Top Cover
- 3 Filter
- 4 Emitter
- 5 Receiver
- 6 Wiring terminal
- 7 Function switch

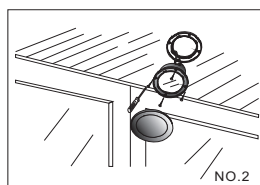
3 Overview

- This product is used for the detection of existing human body and objects to prevent anti-pinch accurately. Ceiling mounted presence detector not only can be used for sliding door, revolving door but also in ATM Cabin.
- Have function of background self-learn. Can learn background automatically when power on. Suit all kinds of occasions.
- Always self-correcting once be influenced by quake, distortion, move, dark and sunshine. Ensure the sensor can work durable.

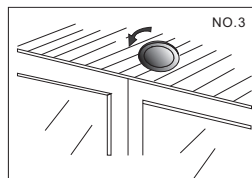
4 Installation Way



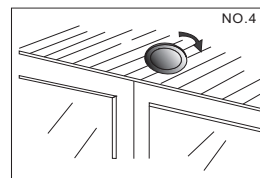
Trepanning according to the screw position of bottom cap. Hole size: more than 53mm (deep)



Put sensor into installation hole after wiring connection and fix position by screws.

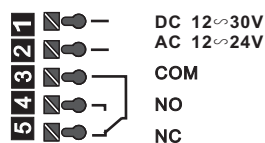


Fix top cover after Debugging, sensor should be ok when you hear voice of click.



Please open cover by this way if you need further Debugging.

5 Wiring Connection



6 Function Switch



High sensitivity: switch 1 DOWN



Low sensitivity: switch 1 UP



A: switch 2 DOWN



B: switch 2 UP

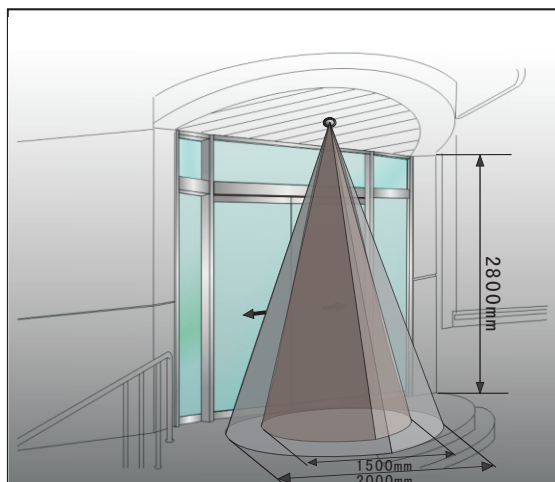


Detection range 2000mm (dia.), switch 3 UP

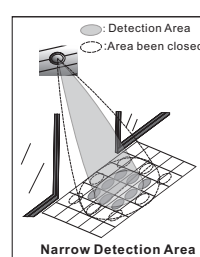
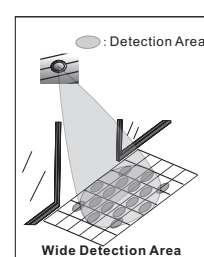
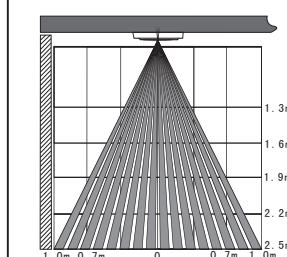


Detection range 1500mm (dia.), switch 3 DOWN

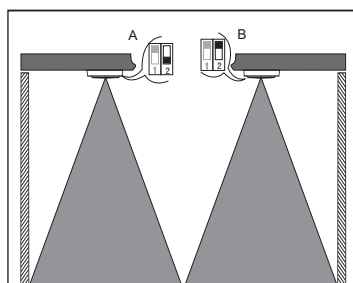
7 Detection Range



Starting Up:
The detector have function of self-learn once starting up. After power on the blue LED will appearslow flicker in 5s, then quick flicker and became no flicker in blue.

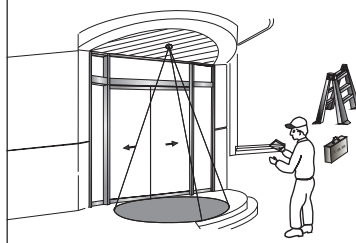


8 Notes

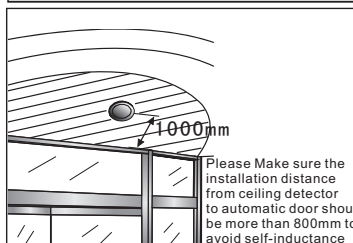


When two sensors installed in very close position, Sensors should be set to different rates. One sensor with A, Another one with B. (as picture)

Note: Presence detection Area



Please ensure the detection area should be clear during the sensor self-learning process.



9 Parameters

Power output	AC/DC 12~30V (-/+10%)
Type of ray	Infrared light modulation
Photo source	Infrared 940nm
Light beam	8 channel transmit, 8 channel receive
Quiescent current	35mA
Working current	73mA
Self-learn time	15s
Operating display	Standby: blue LED, Detecting: red LED
Temperature range	-40°C - 60°C
Maximum installation	2500mm
Maximum detection area	2000 (W) × 500 (D) mm
Hold-Up time	500ms
Response time	≤100ms
Dimension	Exposed 200 (L) × 49 (W) × 32 (H) mm Conceal 152 (L) × 38 (W) × 25 (H) mm