

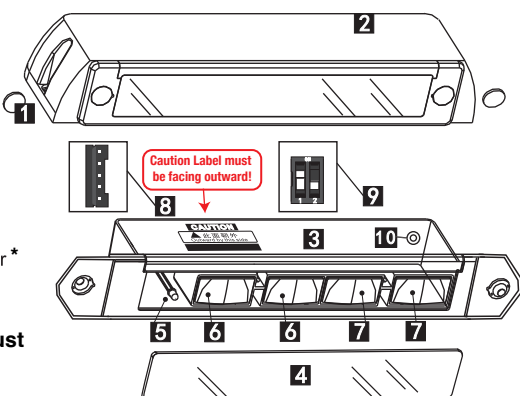


1 Security Guide

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

2 Product Overview

- 1 Decorative cap
- 2 Exposed cover
- 3 Master controller
- 4 Optical surface lens
- 5 LED indicator
- 6 Transmitter window
- 7 Receiver window
- 8 Wiring terminal
- 9 Function setting
- 10 Sensitivity Adjuster *

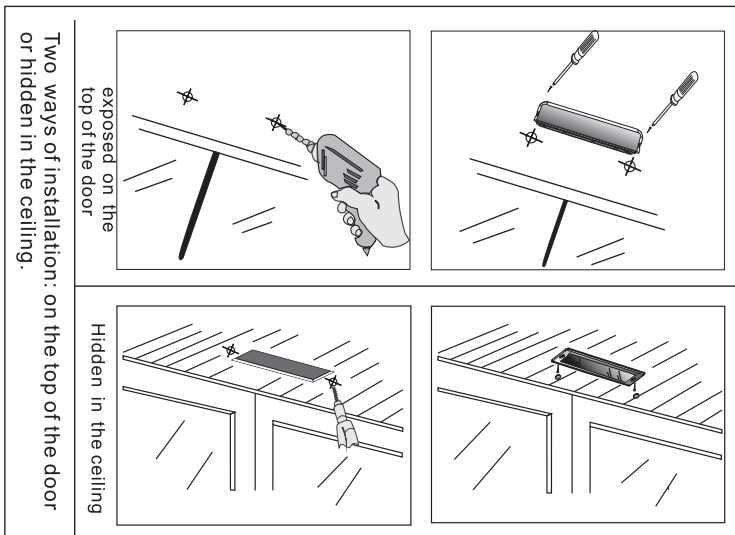


*Use 5mm flat head screw driver to adjust detection range.

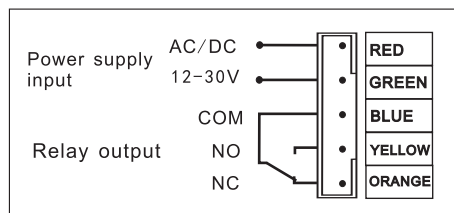
3 Overall Characteristics

- This curtain sensor are special designed for automatic sliding door to detection and keep safety. High accuracy.
- Advanced infrared scanning technology. Stable and reliable.
- 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



5 Wiring Diagram of Input and Output



6 Function Setting

Working mode: High sensitivity or low sensitivity



- **High sensitivity: switch 1 up**
- Default setting is high sensitivity mode.



- **Low sensitivity: switch 1 down**
- If the reflectance of working environment is strong, it should set to low sensitivity to avoid self-induction or background mistaken.

Scanning Width: Width 78.74'/2000mm or 39.4'/1000mm



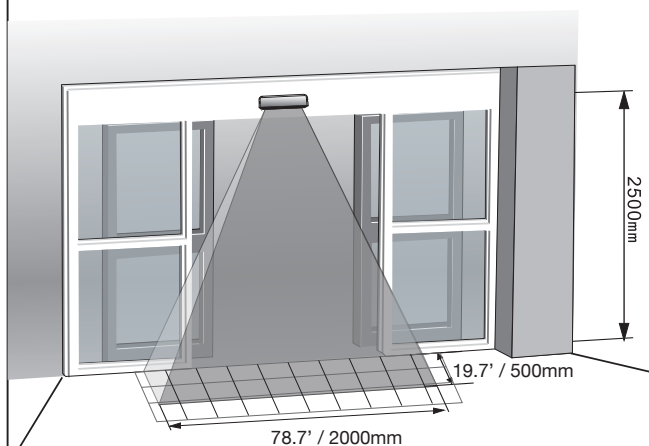
- **Scan Width 78.74'/2000mm: switch 2 up**
- If the scan width is wide range, it should set to 78.74'/2000mm.



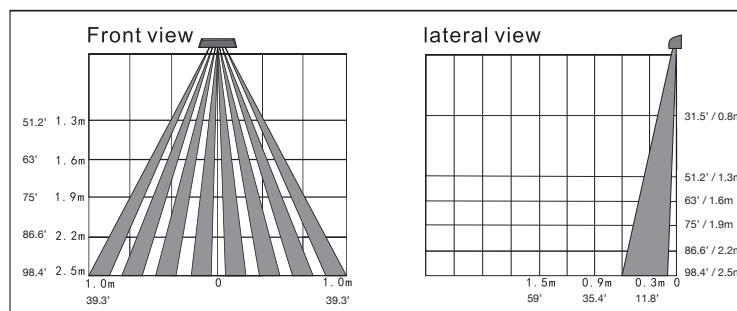
- **Scan Width 39.4'/1000mm: switch 2 down**
- If the scan width is narrow range, it should set to 1000mm.

7 Detection Area

Note:  presence detection area

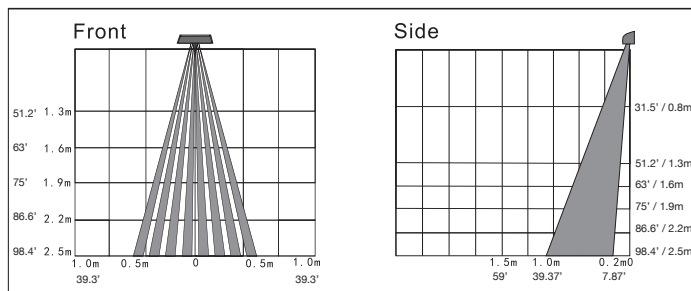
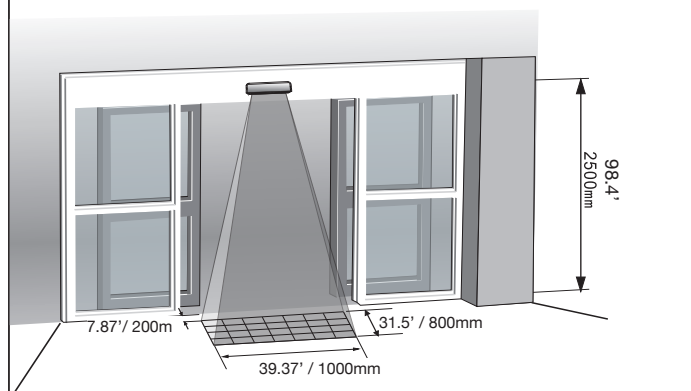


starting up: This Detector has function of background self-learning. After Getting power on, red light will be always on. Pls leave the detection area empty. After 6S, the background is learnt successfully.

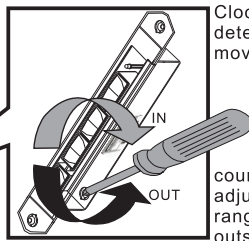
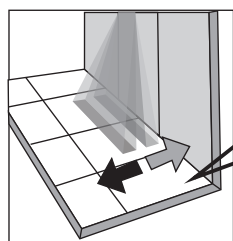


B.For narrow scanning range,system function set to 1000mm

Note: ■ Detection range



Range Adjustment



NOTE: Clockwise to adjust detection range moves inside

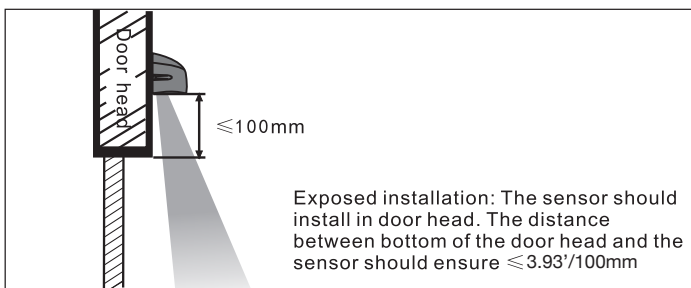
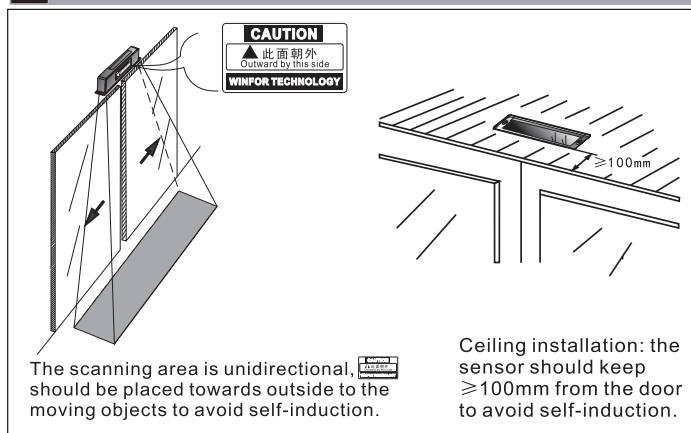
*Use 5mm flat head screw driver!

counterclockwise to adjust detection range moves outside.

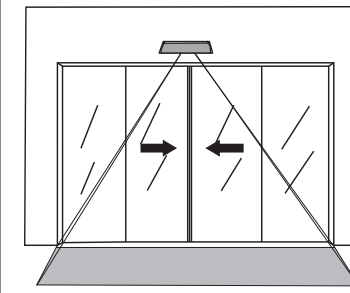


To adjust the angle, remove the main sensor from the cover's access, make sure the "Caution Sign" is facing outward before installing back the cover!

8 Attention



Note: ■ Detection zone

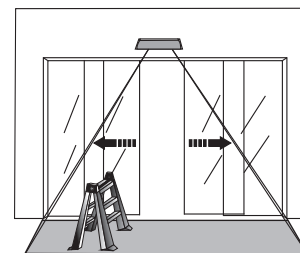


Please keep the door closed before the sensor is in background self-learning process.

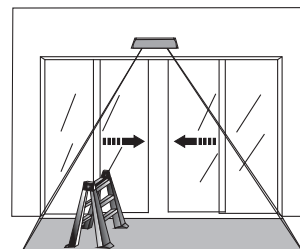
The debug person and any other objects such as ladder, tool kit must be out of the detection area when sensor is in the self-learning process.



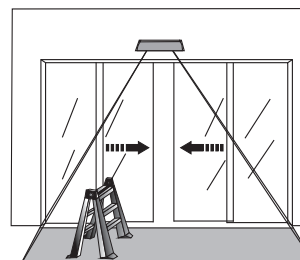
Note: ■ Detection area



The sensor will output door opening signal when a object be put within the detection area. (as picture showed)



After 15s with no other objects or people enter in, the sensor will regard that object as a part of background and door will close back.



Remove the object,system will get back to the original background, output door open signal around 2S, and get back to standby system.

9 Technical Parameter

Power output	AC/DC 12~30V (-/+10%)
Type of ray	Infrared light modulation
Photosource	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	-104 °F - 140 °F / -40 °C - 60 °C
Maximum installation	2500mm / 98.42'
Maximum detection area	78.7' / 2000mm (W) x 19.68' / 500mm (D)
Hold-Up time	500ms
Response time	$\leq 100\text{ms}$
Changeover mode	High/Low sensitivity and FA/FB adjustable
Signal output	Relay, 1 pair contact point optional
IP	IP54
Mechanical behavior	Maximum
Connection	0.04 - 0.2 inch ² / 1-1.5 mm ² 5pin terminal
Shell	ABS
optical surface	PMMA
Installation	Exposed or Conceal
Weight	about 0.32 Pound / 145g
Dimension	Exposed 7.87' / 200mm (L) x 1.9' / 49mm (W) x 1.26' / 32mm (H) Conceal 5.98' / 152mm (L) x 0.98' / 25mm (W) x 1.41' / 36mm (H)