# M-229E Safety Cutain Sensor For Sliding Door

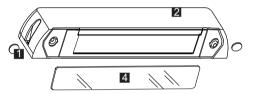


## 1 Safety Instruction

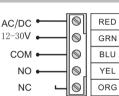


This device must use a low voltage with protection and safety insulation, and adjustment or maintenance must be done by professional installation workers.

#### Product Overview



- 1 Decorative cap 6 Transmitter window
- 2 Exposed cover
- 7 Receiver window
- 吅
- 3 Main Controller 4 Optical surface lens
- 8 Wiring terminal 9 Function setting button
- Power supply input
- Relay output



- 5 LED indicator
- 10 Sensing range adjustable screws

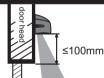
This detector with background self-learning function after starting up, the red LED light is always on after power on, at this time, the personnel must leave the sensing area and let it be relatively static state, after 6 seconds background learning success, LED indicator turns to Blue light is always on.

### 3 Installation Precautions



When top suction installation, in order to avoid self-induction, the installation distance between the automatic door and the safety cutain should be more than 100mm.

# NOTE 2



When exposed installation on the door head, in order to avoid the induction sensitivity decreases automatically, the distance between the bottom of the door head of the curtain sensor is ensured ≤100mm.

# NOTE 3

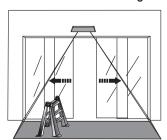
#### Note: Presence detecting area

When debugging, in order to avoid the wrong foreground information in the system, before the self-learning state, please make sure the automatic



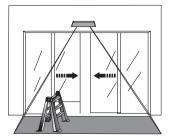
irrelevant background objects must be withdrawn from the detection range, such as workers, ladders, toolboxes, etc.

#### Note: Presence detecting area



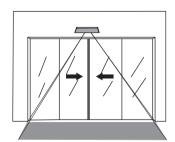
When place an extra stationary object in the detection area, the sensor will ouput a door opening signal in time.





Maintain 15 seconds, in addition to this stationary object, there is no other objects or human body enter into the detection area, the system of the sensor will learn the stationary object as new background and adapt to it, at this time, sensor won't output door opening signal, door will close automatically.





When remove this stationary object and recover the original background, the system of the sensor will recognize intelligently, and output the door opening signal for 2 seconds, then return to the standby state.

## 4 Function Setting

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.

► Horizonal width 2000mm: switch 2 up If the scan width is wide range, it should set to 2000 mm.

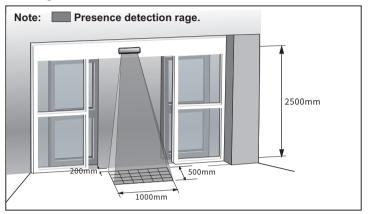
Horizonal width 1000mm: switch 2 down If the scan width is narrow range, it should set to 1000mm.

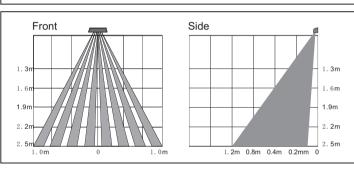
## 5 Detection Range

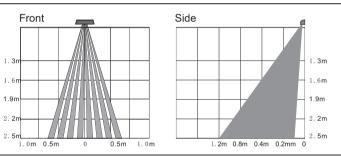
A: For large scanning range, function switch setting the herizonal scanning width is 2000mm.

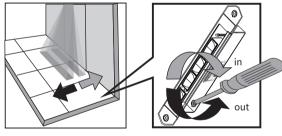
# Note: Presence detection rage. 2500mm 500mm 2000mm

#### B: For narrow scanning range, function switch setting the herizonal scanning width is 1000mm.









#### Infrared detecting range adjustment:

Note: (As the picture shows) Clockwise to adjust detect range moves inside; Counterclockwise to adjust detect range moves outside.

### 6 Technical Parameters

Power input:	AC/DC 12-30V(-/+10%)
Ray type:	Infrared modulated light
Optical source:	Infrared 940mm
Light beam:	8 transmitting, 8 receiving
Static current:	35 mA
Action current:	73 mA
Learning time:	10 seconds
Operating display:	Standby mode: blue LED on;
	Detecting mode: Red LED on
Temperature:	-40°C to +60°C
Maximum mounting height:	2500mm

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500ms
≤100 ms
Sensitivity can be switched,
horizonal scanning range can be adjusted
Relay, 1 pair of selectable contact points
ABS
PMMA
Surface mount or concealed mount
200(L)x54(W)x32(H)mm (surface mount)
152(L)x25(W)x36(H)mm (hidden hole size)

Detection range: 2000(\M\\vE00(D\)mm/1000(\M\)vE00(D\)mm

# 7 Packing List

NO.	PART	QTY	UNIT	REMARK
1	Sensor	1	PC	
2	5-pin line	1	PC	165mm
3	Screws	1	Bag	
4	Operating instructions	1	PC	
5	Surface mount cover	1	PC	Silver or black can be selected