+ B –

Manual

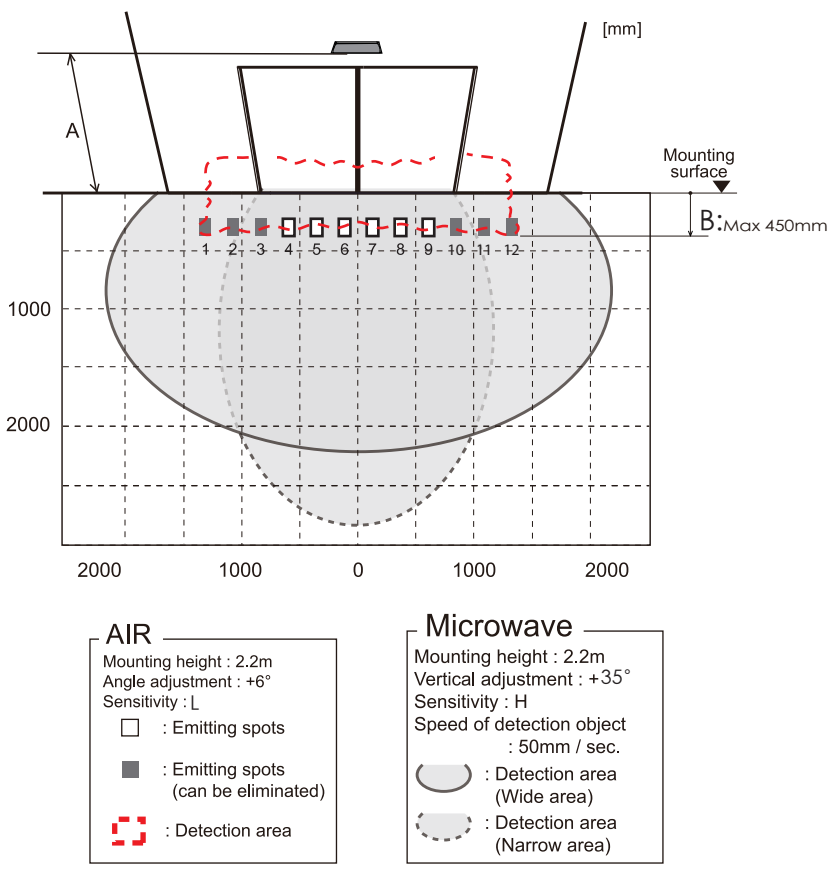
Dual functions sensor

Photograph

Manufacturer's statement

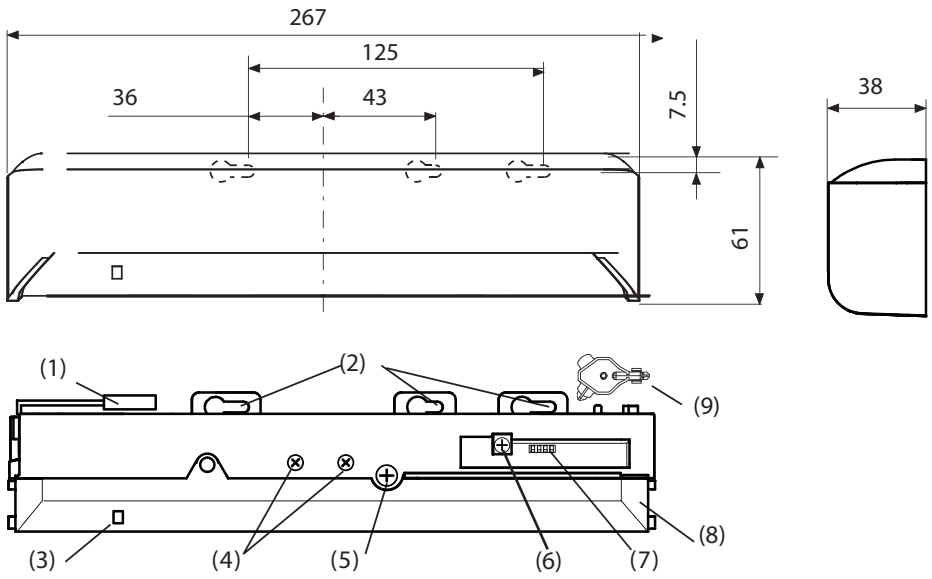
- This product should be installed by special installer or service engineer.
- Read this manual carefully before installing it.
- This product is for automatic sliding door.
  Please don't use for any other applications.
- When install the sensor, make sure that there is no traffic around the detection area.

Detection area



Size and components' name

[mm]



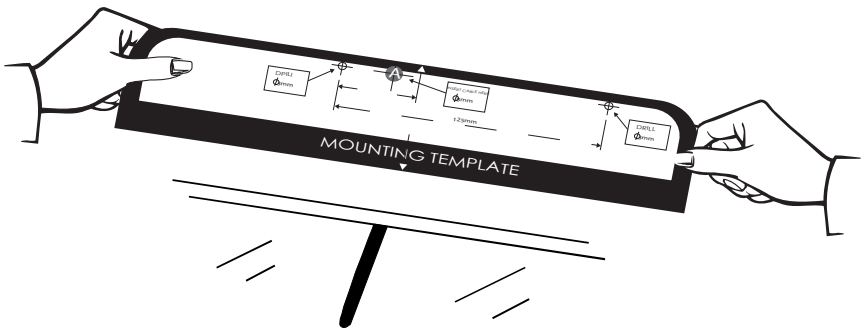
(1) Connector	(6) Microwave sensitivity screw
(2) Mounting holes	(7) Dip switches
(3) Operation indicator	(8) Detection window
(4) Width adjustment screw	(9) Adjustment tool
(5) Depth angle adjustment screw	

Technical data

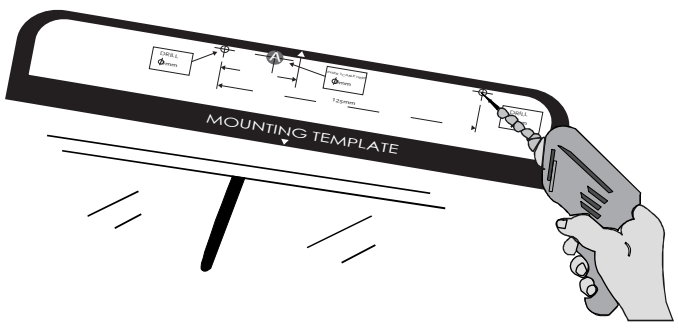
Cover color:black	**Infrared sensor:**
Mounting height: 2m-3.5m	Infrared type: 850mm
IP rate: IP54	Depth angle: -6° — +6°
Signal output: NO/NC	Output hold time: 1s
Quiescent current: 70mA (12V)	Response time: < 0.3s
Working current: 78mA (12V)	
Weight: 230g	**Microwave sensor:**
Operation temperature: -20°c — +55°c	Microwave type: 24.125GHz
Power supply: AC/DC 12-24V	Depth angle: 25° — 45°
Learning time: 15s	Output hold time: 1s

Installing steps

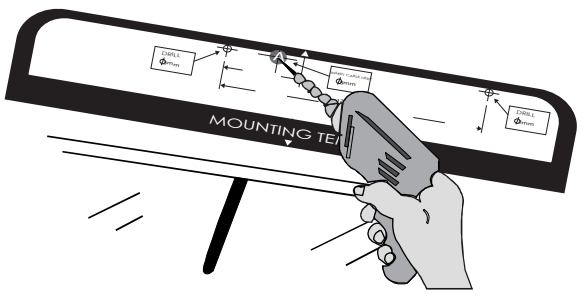
■ Stick the mounting template on the right installing position.



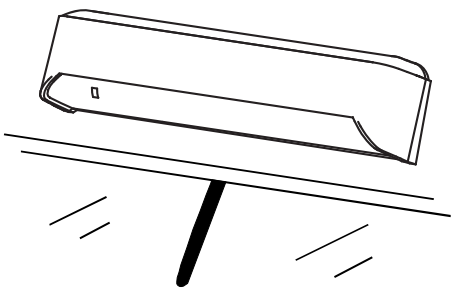
■ Drill two 3mm size holes according to mounting template.



■ Drill one 8mm hole for cable.



■ Leave mounting template, and install sensor.



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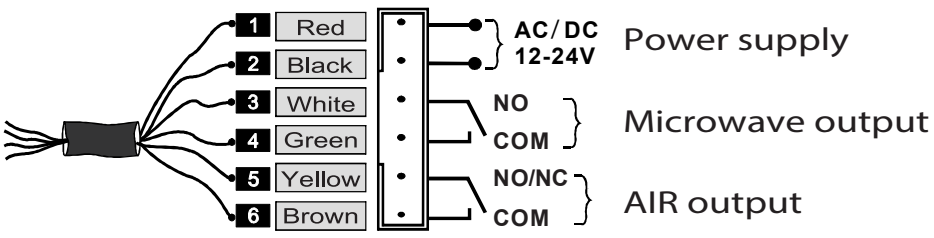
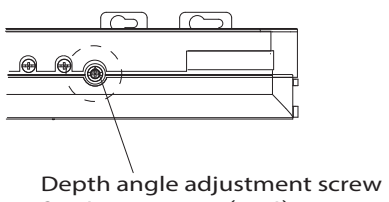
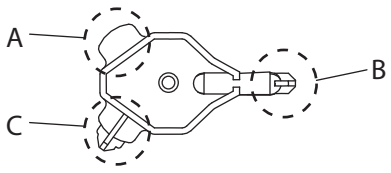
Terminal details



Detection area adjustments

1.Area depth angle adjustment :

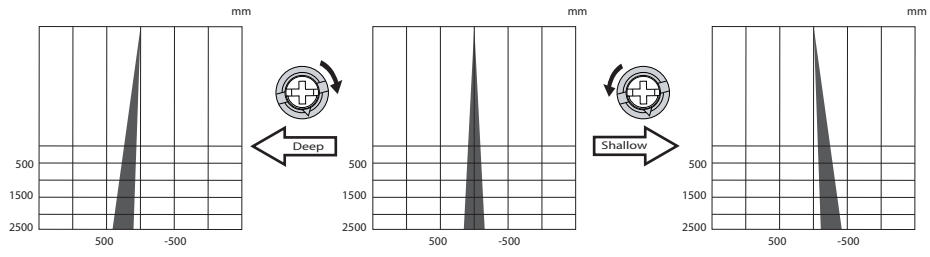




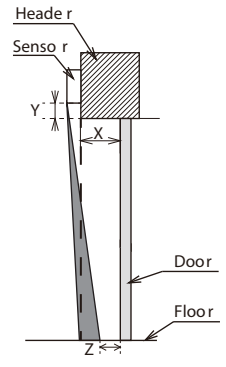
1.1 AIR adjustment

Use the area adjustment tool(A) as shown above to change the area depth angle.

Mounting height:2500m



Lookback function

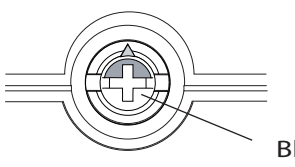


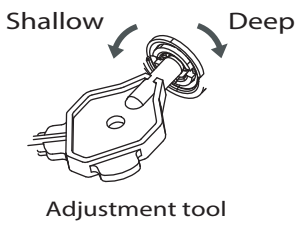
When some sliding door's size(X) is big, you can use lookback function.

Note :

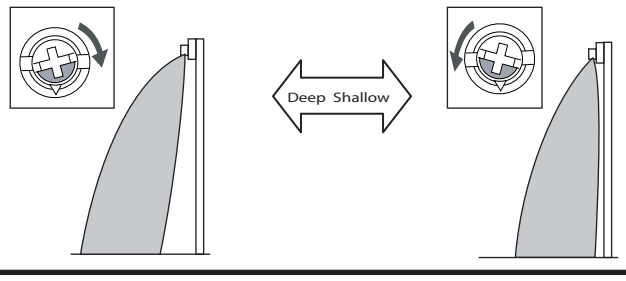
1. Z>0mm
2. When X>100mm, make sure Y<100mm

1.2 Microwave adjustment





Use the adjustment tool(B) to change the area depth angle.

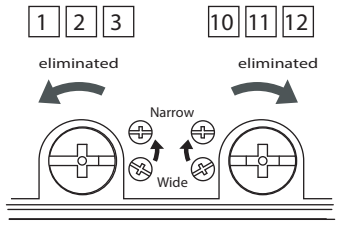


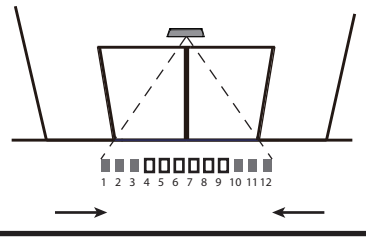
2.Area width adjustment :

2.1 AIR adjustment

Use the adjustment tool(C) to change the area width angle,

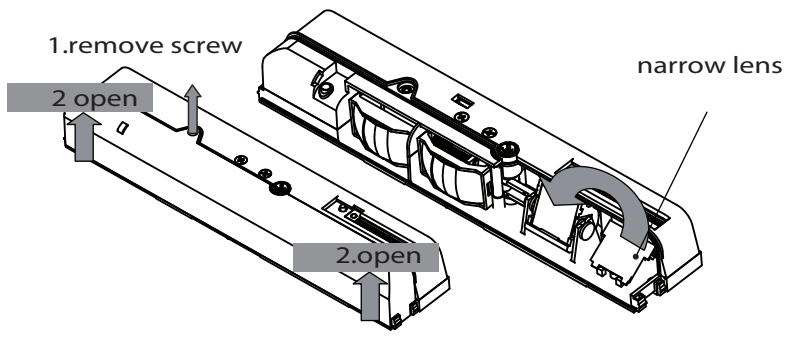
1 2 3 and 10 11 12 can be eliminated.





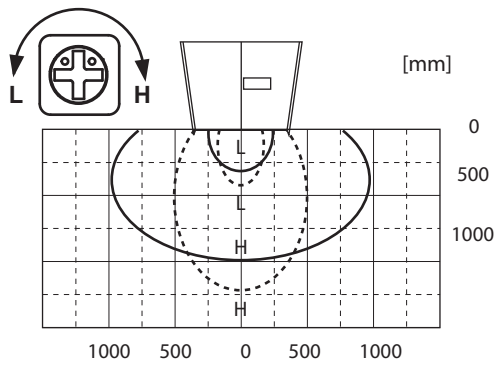
2.2 Microwave adjustment

To adjust the microwave detection area width, use the narrow lens as shown in the picture below.



3.Microwave sensitivity

Mounting height : 2200mm
Vertical adjustment : +35 °
——— Wide area
-------- Narrow area

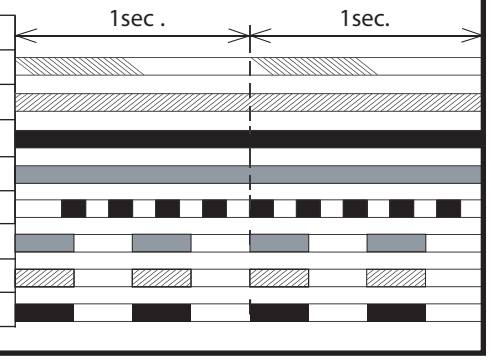


Dipswitch settings

Dipswitch	Function	Setting				Details
1 2	Presence timer	30S	60S	180S	∞	After presence time, door will close automatically
3	Sensitivity	Low	High			Low:mounting height 2-2.8m Hight: mounting height 2.8-3.5m
4	Air output	NO	NC			Select NO/NC for AIR output

Self-healing function

	Presence timer	Self-healing time	Details
1	1 2 30S	30S	When the situation of infrared detecting area is changed, sensor will learn the new situation as new background according to presence timer. If setting presence timer to ∞ self-healing function is closed
2	1 2 60S	60S	
3	1 2 180S	180S	
4	1 2 ∞	Closed	

Operation indicator

Status	Indicator color
Learning	Blue blinking
Microwave detection	Yellow
AIR detection	Red
No detection	Green
Air and microwave detection	Red blinking
Learning not successful	Green blinking
Installation height is low	Yellow blinking
Sensor problem	Red blinking