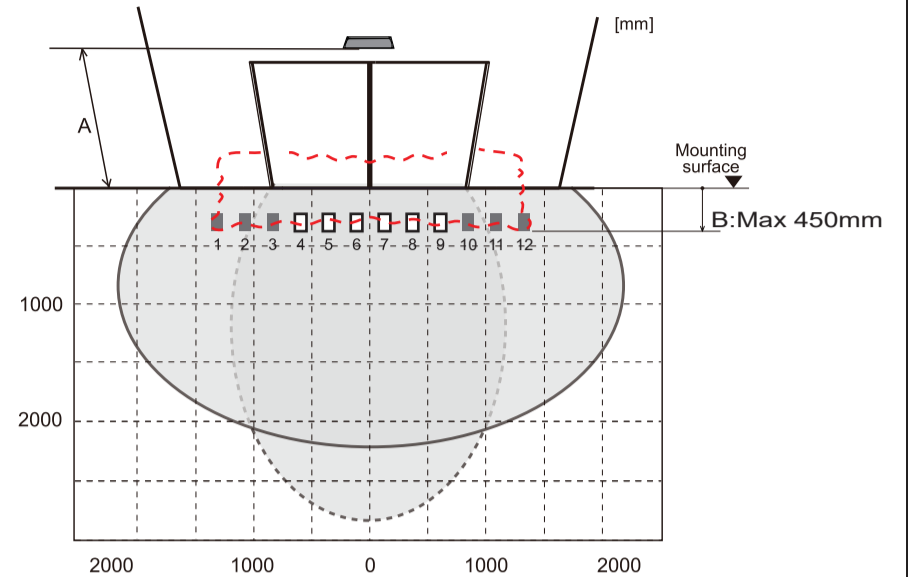


Photograph



Detection area



AIR

Mounting height : 2.2m
Angle adjustment : +6°
Sensitivity : L

- : Emitting spots
- : Emitting spots (can be eliminated)
- ▭ : Detection area

Microwave

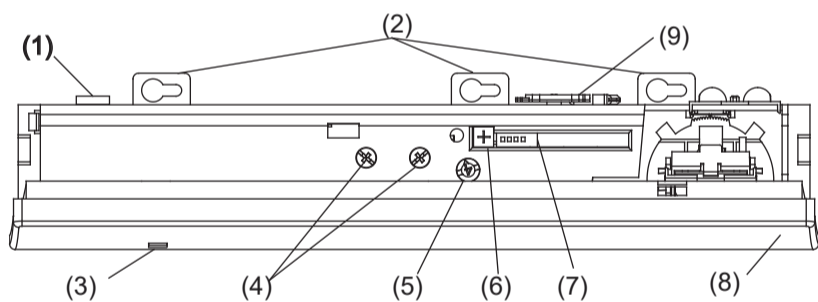
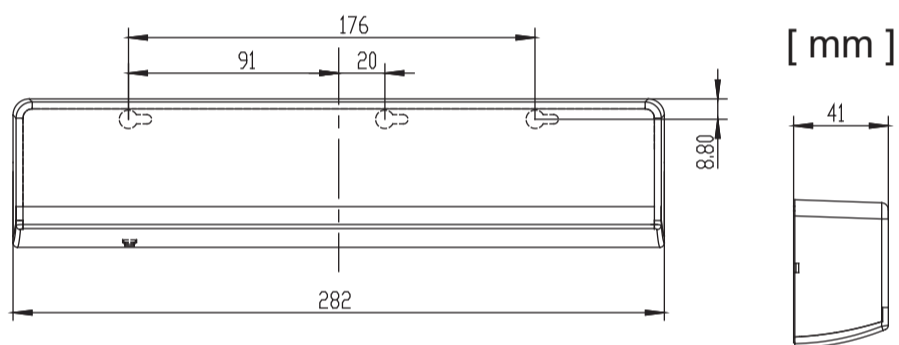
Mounting height : 2.2m
Vertical adjustment : +35°
Sensitivity : H
Speed of detection object : 50mm / sec.

- ▭ : Detection area (Wide area)
- ▭ : Detection area (Narrow area)

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.

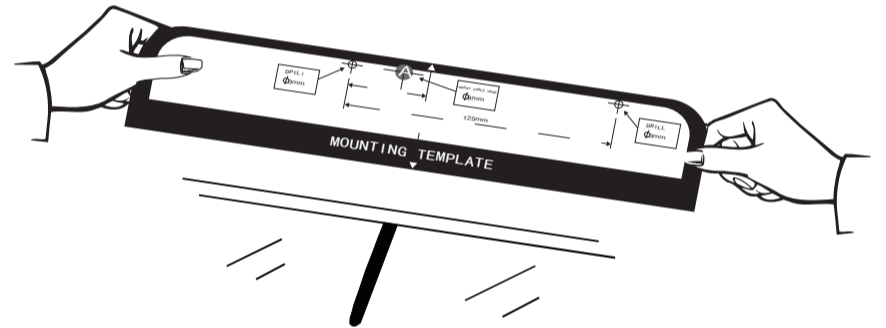
Size and components' name



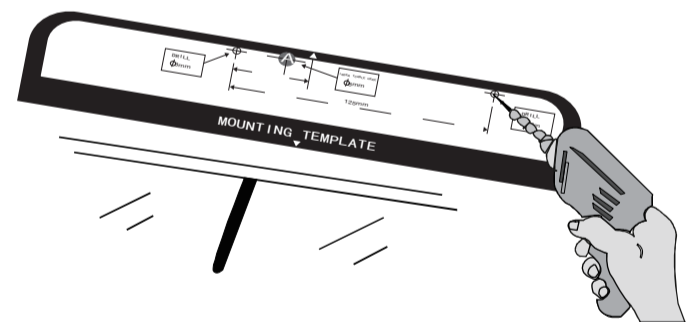
(1) Connector	(6) Microwave sensitivity screw
(2) Mounting holes	(7) Dip switches
(3) Operation indicator	(8) Detection window
(4) Width adjustment screw	(9) Adjustment tool
(5) Depth angle adjustment screw	

Installing steps

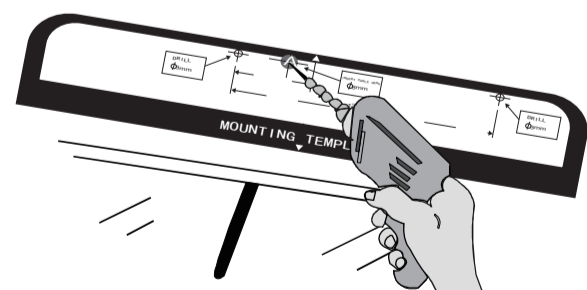
- Stick the mounting template on the right installing position.



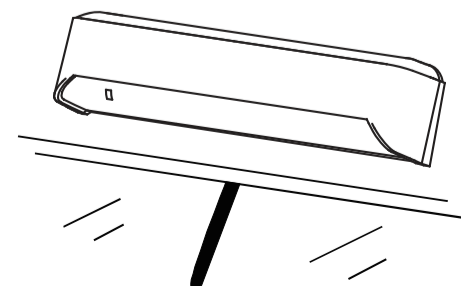
- Drill two 3mm size holes according to mounting template.



- Drill one 8mm hole for cable.



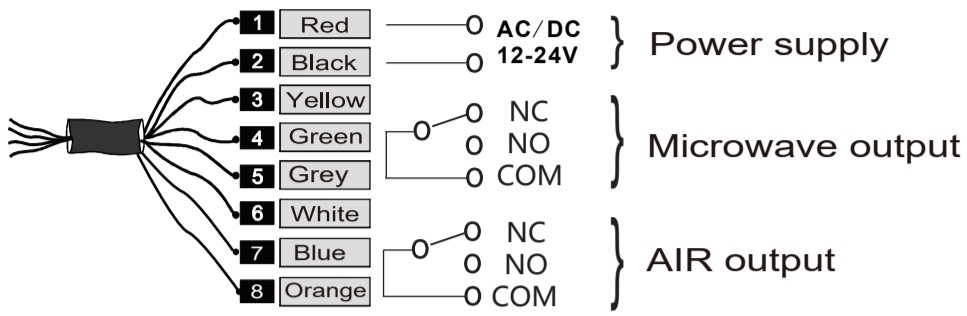
- Leave mounting template, and install sensor.



Technical data

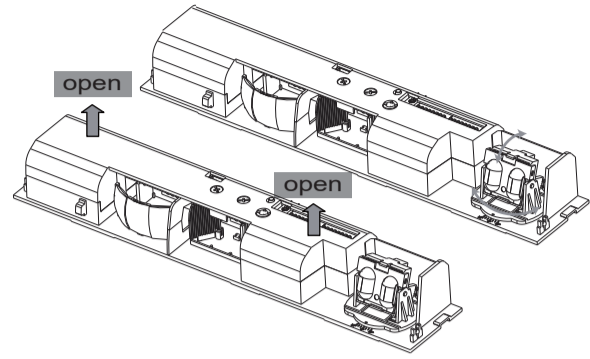
Cover color: black	Infrared sensor:
Mounting height: 2m-3.5m	Infrared type: 850mm
IP rate: IP54	Depth angle: -6° — +6°
Signal output: NO/NC	Output hold time: 1s
Quiescent current: 70mA (12V)	Response time: < 0.3s
Working current: 78mA (12V)	
Weight: 230g	Microwave sensor:
Operation temperature: -20°C — +55°C	Microwave type: 24.125GHz
Power supply: AC/DC 12-24V	Depth angle: 20° — 80°
Learning time: 15s	Output hold time: 1s

Terminal details



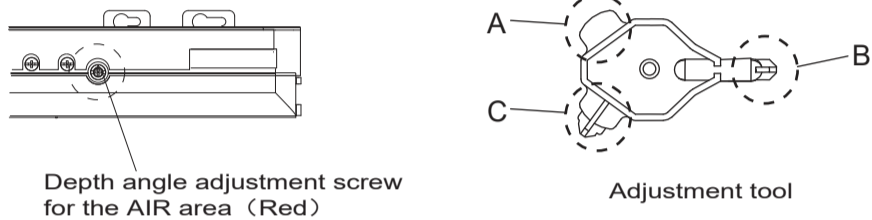
2.2 Microwave adjustment

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

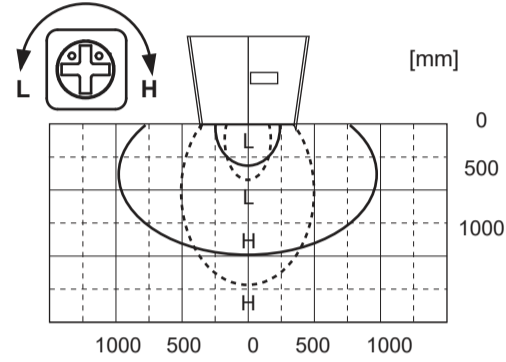


Detection area adjustments

1. Area depth angle adjustment:

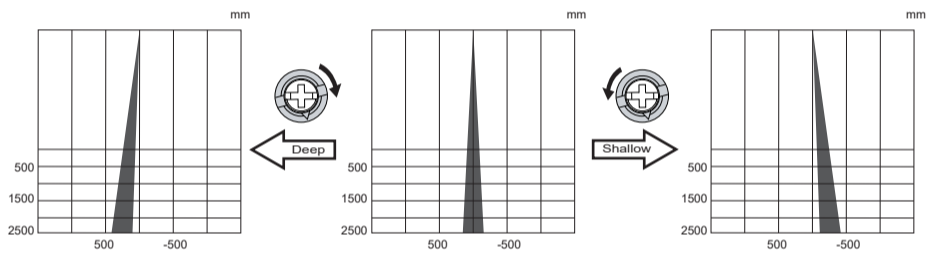


3. Microwave sensitivity

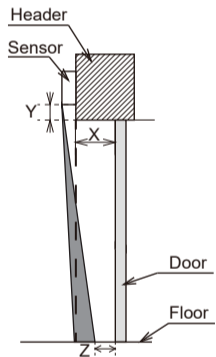


1.1 AIR adjustment

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



Lookback function



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

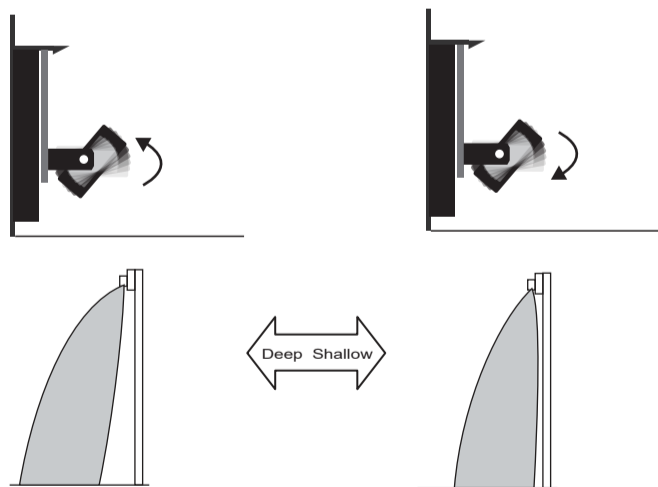
Note:

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

Dipswitch settings

Dipswitch	Function	Setting	Details
1	Sensitivity	Low	Set the sensitivity according to the mounting height. Values below dipswitches are reference only. Adjust the sensitivity according to your risk assessment.
2		Middle	
	High		
	S-High		
3	Presence timer	30sec	To enable the presence detection, do not enter the detection area for 10 seconds after setting the timer.
4		60sec	
	180sec		
	600sec		
5	Infrared output	Presence / Active+Presence	Infrared sensor works as "Presence" or "Active+Presence"

1.2 Microwave adjustment



Self-healing function

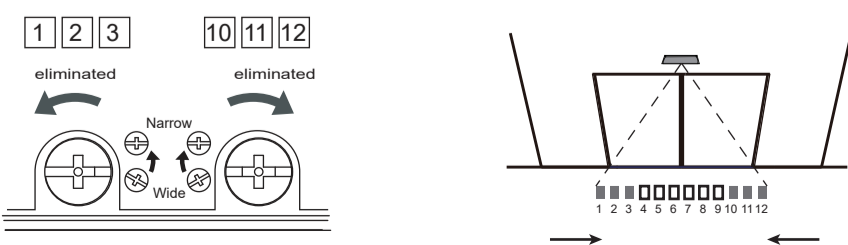
	Presence timer	Self-healing time	Details
1	30S	30S	When the situation of infrared detecting area is changed, sensor will learn the new situation as new background according to presence timer.
2	60S	60S	
3	180S	180S	
4	600S	600S	

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.



Operation indicator

Status	Indicator color	1sec.	1sec.
Learning	Blue blinking	[Pattern]	[Pattern]
Microwave detection	Yellow	[Pattern]	[Pattern]
AIR detection	Red	[Pattern]	[Pattern]
No detection	Green	[Pattern]	[Pattern]
Air and microwave detection	Red blinking	[Pattern]	[Pattern]
Learning not successful	Green blinking	[Pattern]	[Pattern]
Installation height is low	Yellow blinking	[Pattern]	[Pattern]
Sensor problem	Red blinking	[Pattern]	[Pattern]