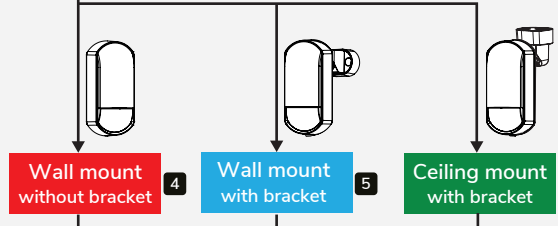


## STANDARD MODELS

	Wide/Narrow area Flip lens	PIR
IR-D-P1	✓	✓

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# Before installation

## - Manufacturer's statement

Symbol

Meaning



**Warning**

Failure to follow the instructions provided with this indication and improper handling may cause death or serious injury.



**Caution**

Failure to follow the instructions provided with this indication and improper handling may cause injury and/or property damage.

Symbol

Meaning



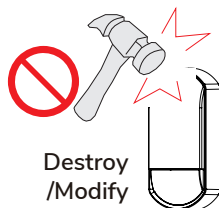
Check mark indicates recommendation.



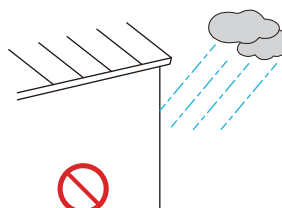
Nix sign indicates prohibition.

NOTE

Special attention is required to the section of this symbol.



Destroy /Modify



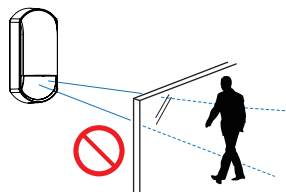
Outdoor installation



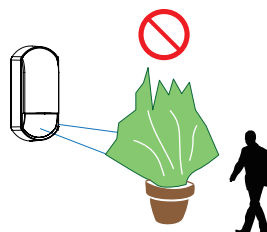
Wetting with water



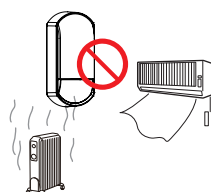
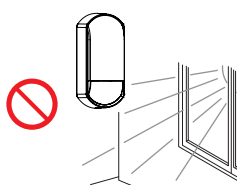
**Warning**



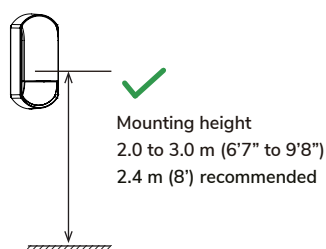
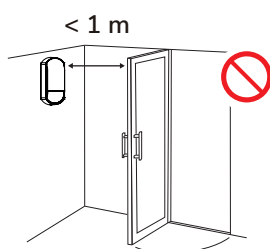
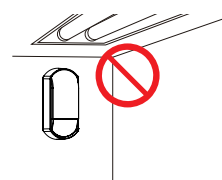
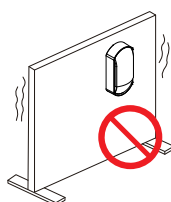
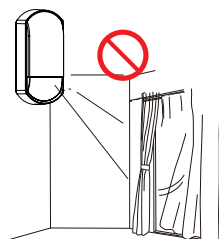
Detection through glass



Partial/complete obscuration of the detection area.



**Caution**

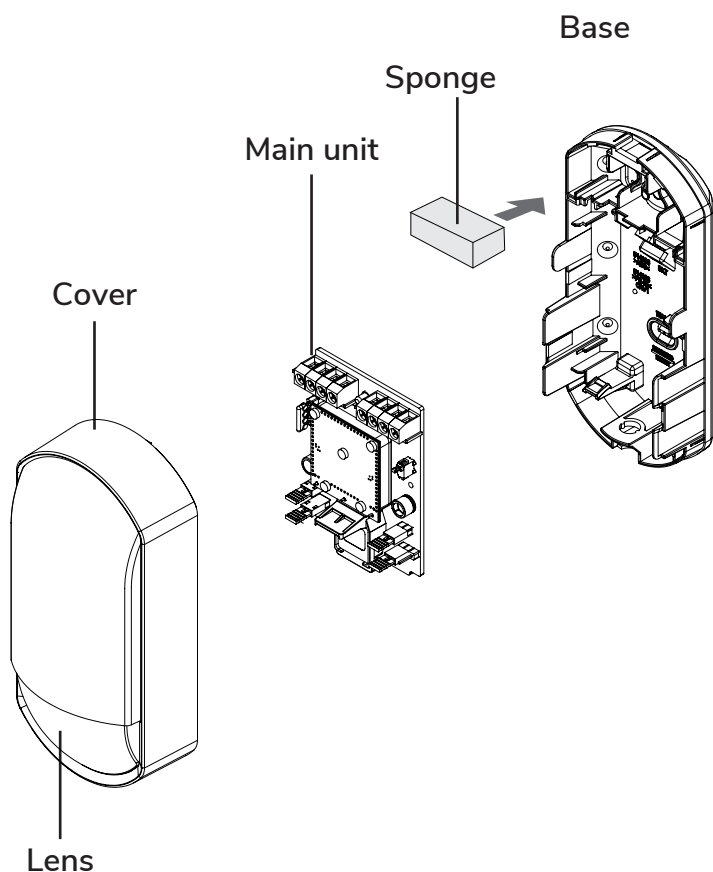


Mounting height  
2.0 to 3.0 m (6'7" to 9'8")  
2.4 m (8') recommended



Follow to the Regulations

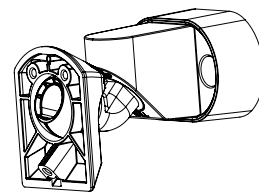
## - Parts identifications






### Option

IR-D-CW-G2\*

Bracket for wall / ceiling mount



-  Mounting screw x 2
-  Joint screw x 3
-  Fixing screw x 2

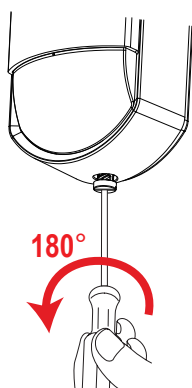
\* Not certified to EN 50131-2-2/4

## 1

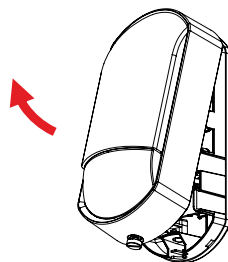
## Installation

### 1-1. Disassemble

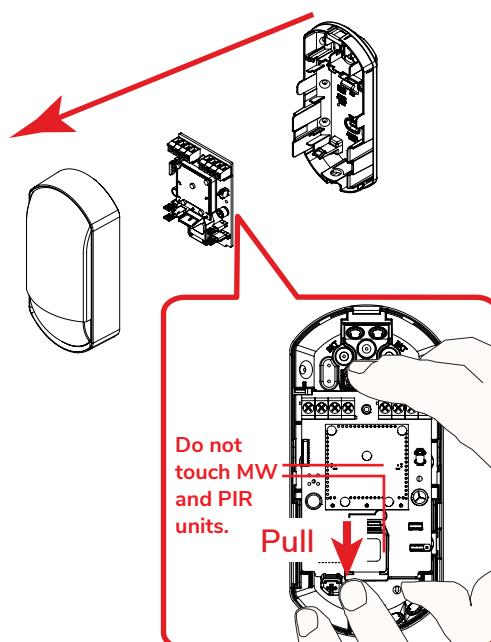
#### 1 Unlock the cover



#### 2 Open the cover

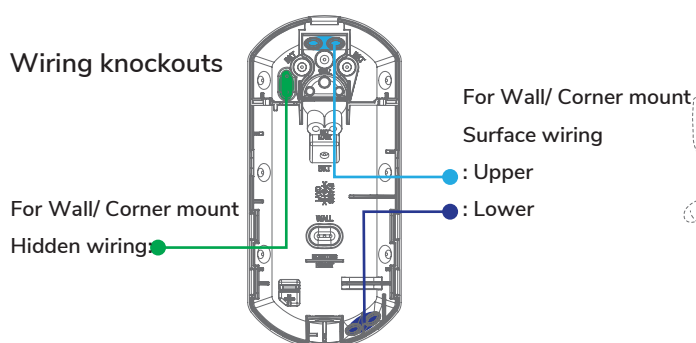


#### 3 Remove the main unit

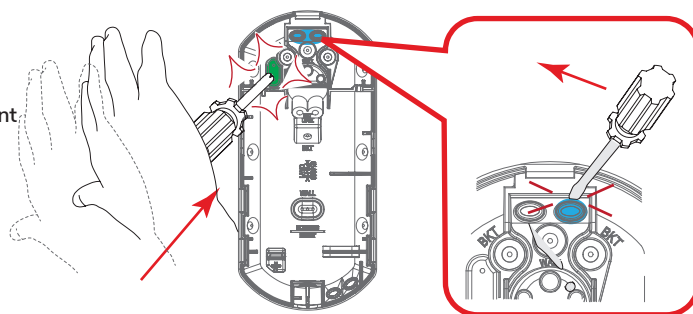


## 1-2. Wall mount without bracket

### 1 Wire through the base

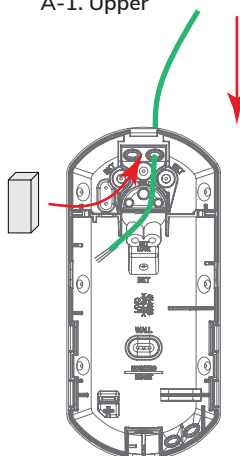


How to break the knockouts

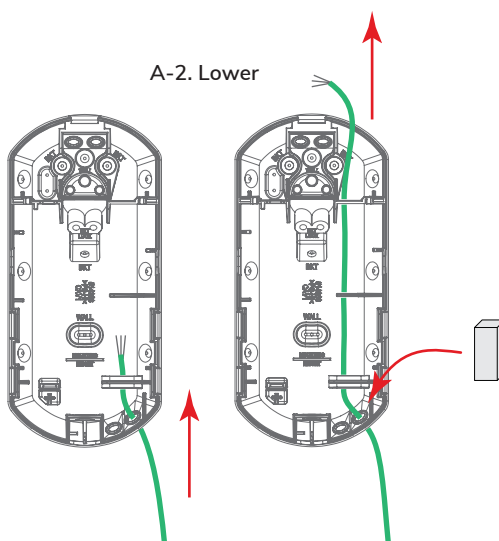


#### A. Surface wiring

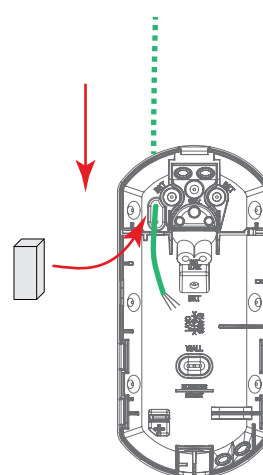
##### A-1. Upper



##### A-2. Lower

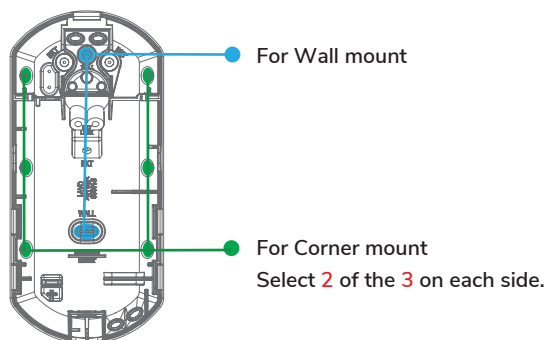


#### B. Hidden wiring

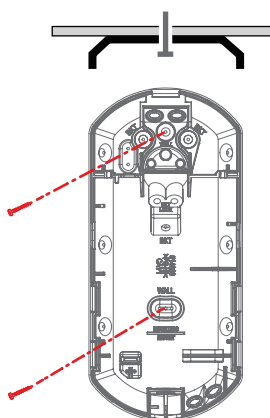


### 2 Mount the base

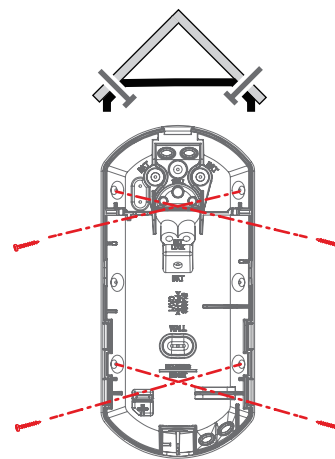
Mounting holes



#### a. Wall mount



#### b. Corner mount



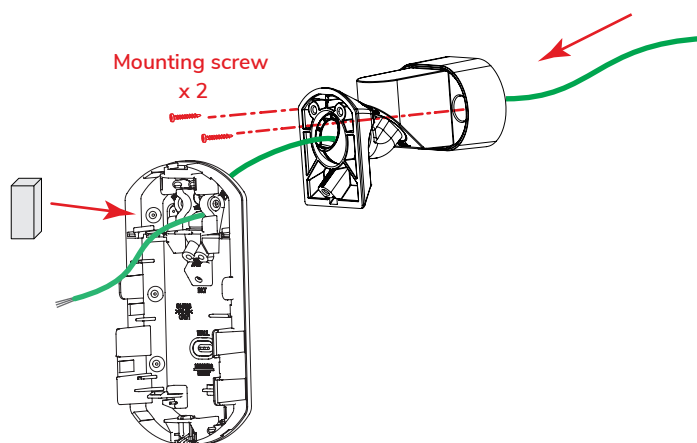
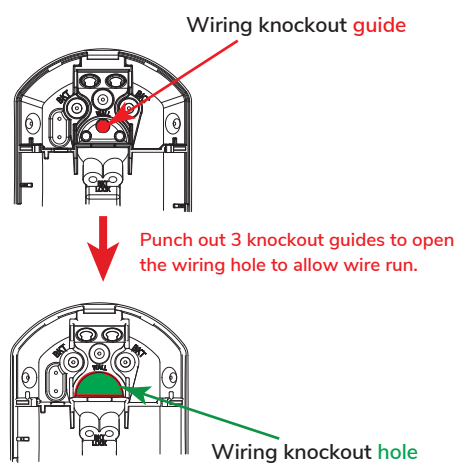
#### NOTE

Mounting screws are not included.  
 $\Phi$  3 mm screws are recommended.



## 1-3. Wall mount with bracket

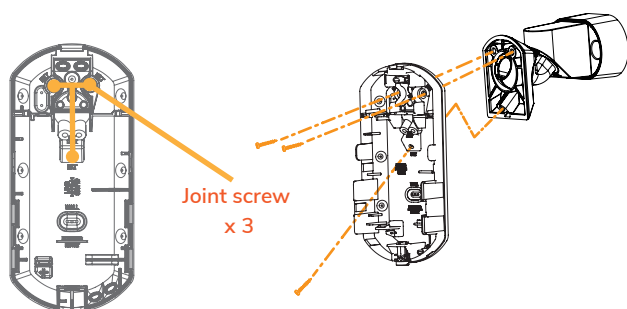
### 1 Wire and mount on the wall



#### NOTE

See page 4 for how to break the knockouts.

### 2 Join the base on the bracket

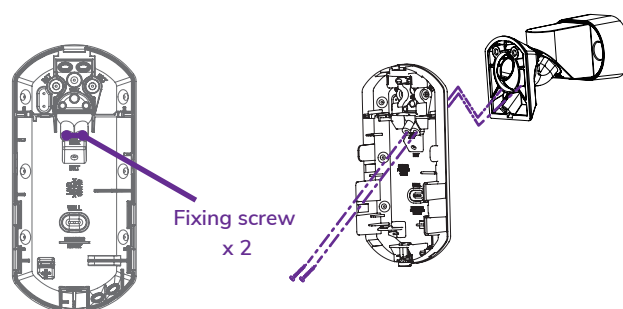


#### NOTE

Adjust the detection direction while jointing.  
Confirming with a walk test is required.

--> Refer to "3-1. Walk test"

### 3 Fix the base with the fixing screws (optional)



The bracket is basically jointed using 3 holes and 3 joint screws.  
Also use 2 additional fixing screws if stronger support is required.

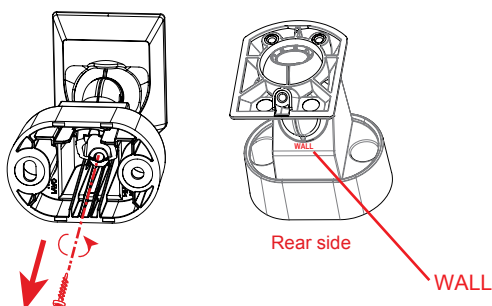
#### NOTE

2 fixing screws are required for the Grade 2 and higher grade installation.

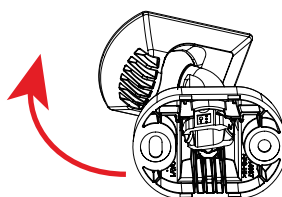
## 1-4. Ceiling mount with bracket

### How to change the bracket to the ceiling mounting

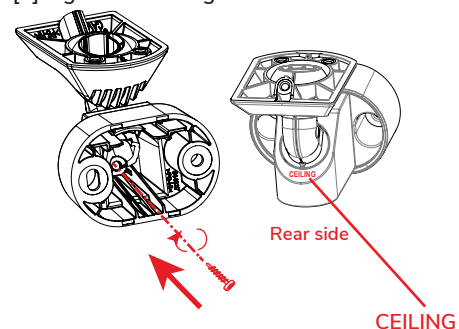
[1] Loosen the fixing screw.



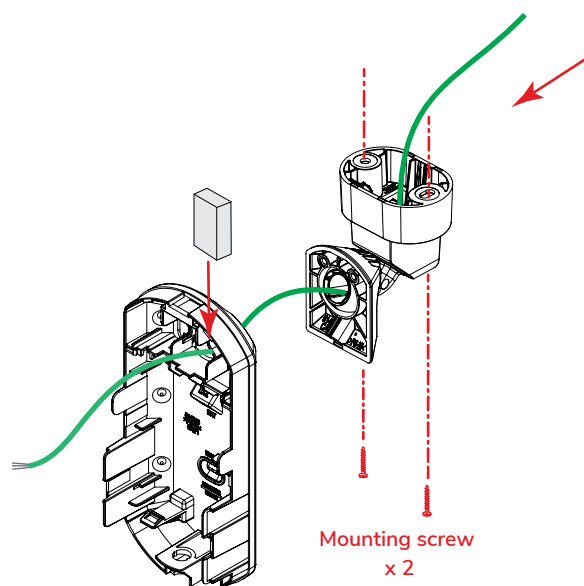
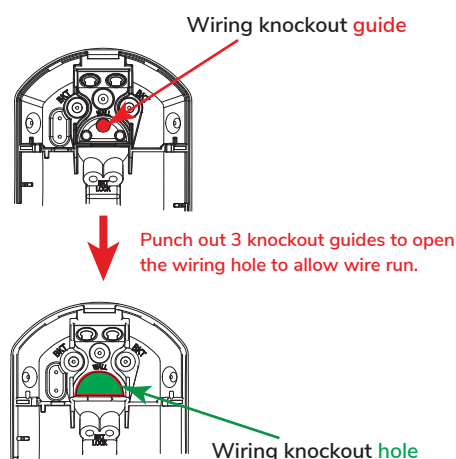
[2] Rotate the body.



[3] Tighten the fixing screw.



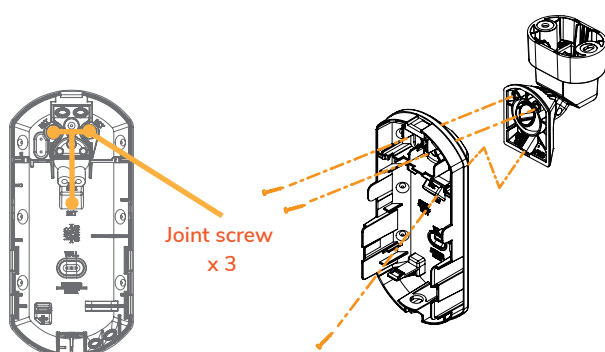
### 1 Wire and mount on the ceiling



#### NOTE

See page 4 for how to break the knockouts.

### 2 Join the base on the bracket



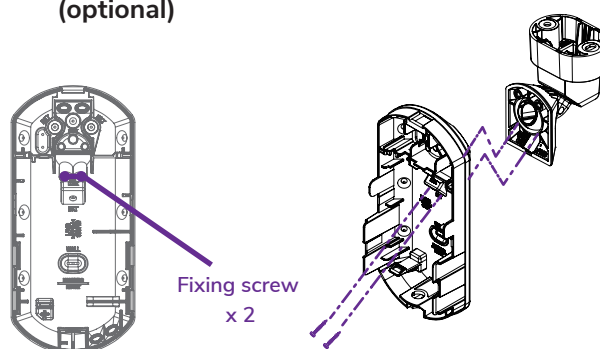
#### NOTE

Adjust the detection direction while jointing.

Confirming with a walk test is required.

--> Refer to "3-1. Walk test"

### 3 Fix the base with the fixing screws (optional)



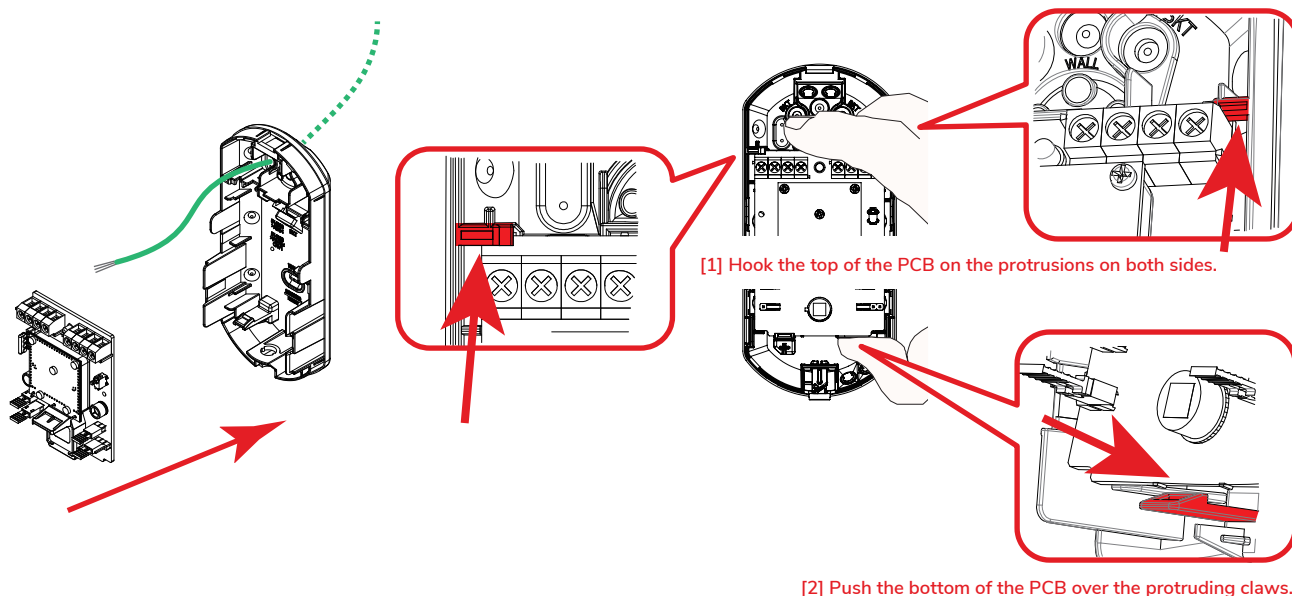
The bracket is basically jointed using 3 holes and 3 joint screws. Also use 2 additional fixing screws if stronger support is required.

#### NOTE

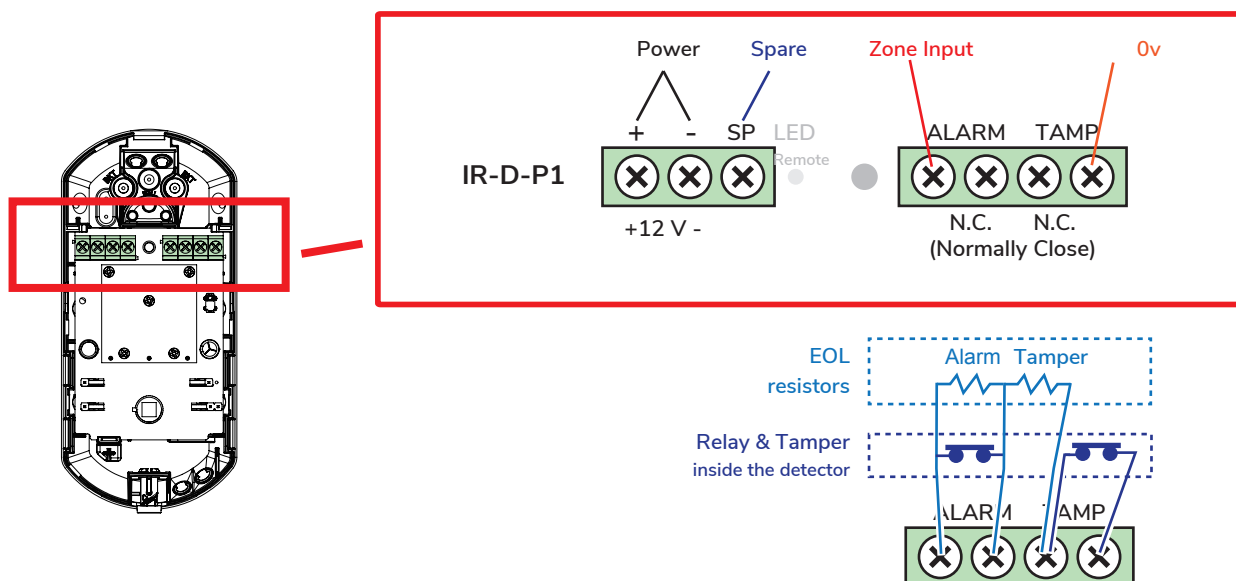
2 fixing screws are required for the Grade 2 and higher grade installation.

## 1-5. Assemble and connect

### 1 Attach the main unit to the base



### 2 Connect wires to the terminal



#### Power cable length

The power cable should be limited to the following length.

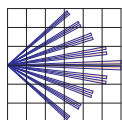
#### IR-D-P1

WIRE GAUGE	12 V DC	14 V DC
AWG 22 (0.33 mm <sup>2</sup> )	520 m (1,710 ft.)	1,130 m (3,718 ft.)
AWG 20 (0.52 mm <sup>2</sup> )	820 m (2,690 ft.)	1,790 m (5,870 ft.)
AWG 18 (0.83 mm <sup>2</sup> )	1,320 m (4,330 ft.)	2,850 m (9,350 ft.)

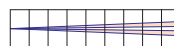
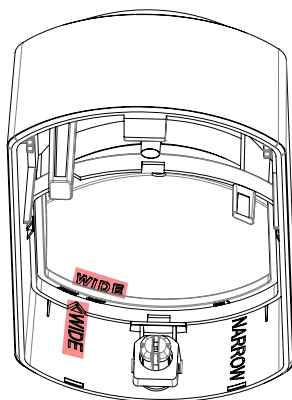
## 2-1. Wide/Narrow setting

1 Set the Flip lens to "Wide" or "Narrow"

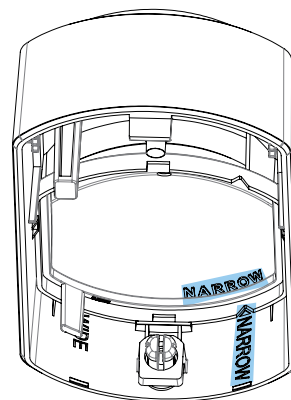
Go to 2-2 on **9** to skip 2-1 when using the default "Wide" setting.



**WIDE**  
Default



**NARROW**

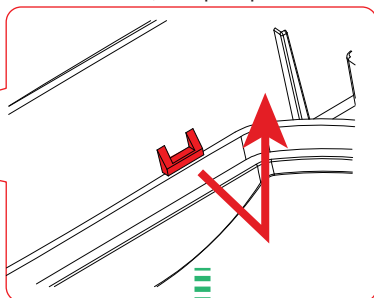
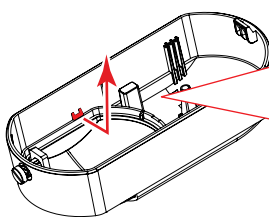


## NOTE

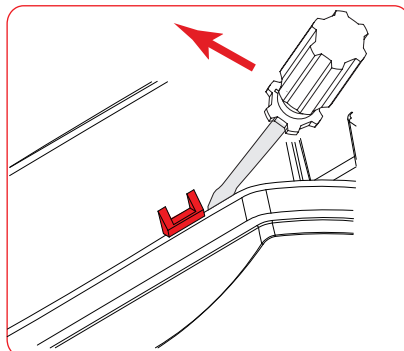
Install the lens so that the letters on the cover and on the lens match your intention.

## How to remove the lens

Get over the rib, then pull up the lens.

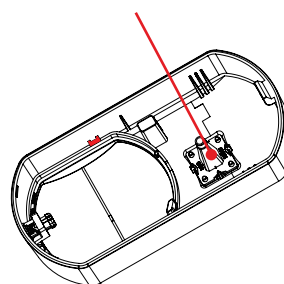


If it is difficult to get over, use a flathead screwdriver.



## Caution

- Be careful not to damage the light path of the LED.
- Also, be careful not to allow the light path to pinch the wiring when closing the cover.

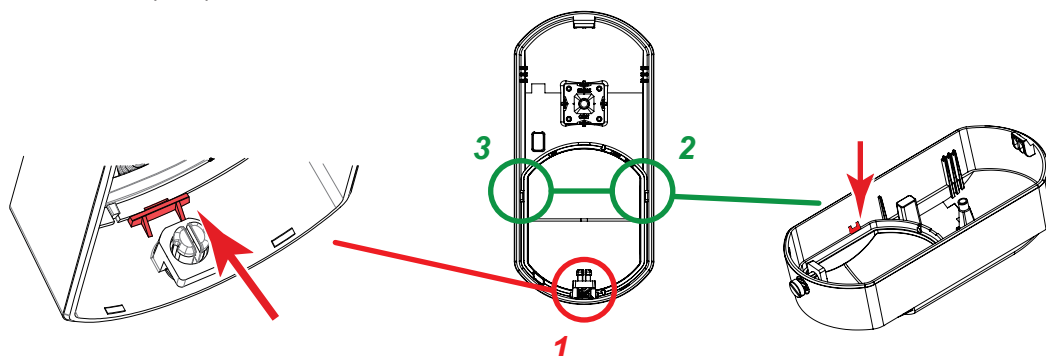


## Caution

- Be careful not to damage the lens with a screwdriver.

## How to install the lens

Push the lens firmly at 3 points in **numerical order**.



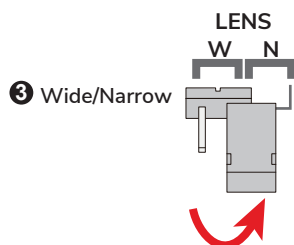
## 2 Set the jumper pin to "Wide" or "Narrow"

### ⚠ Caution

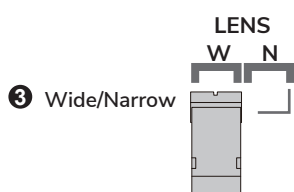
- The jumper pin must be "Narrow", when the lens is set to "Narrow".

### NOTE

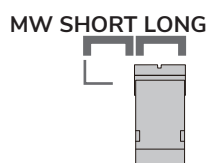
- Default setting is "Wide".
- When "Narrow" is selected, MW detection will be disabled.



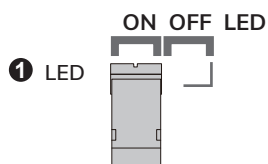
## 2-2. Jumper pin settings



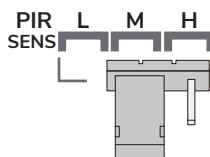
③ Wide/Narrow



④ MW sensitivity  
[N/A for IR-D-P1]

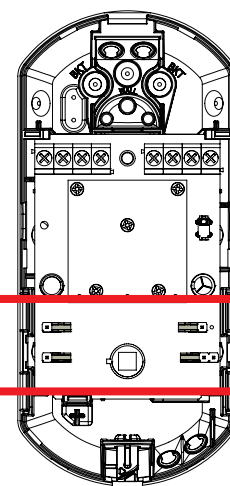


① LED



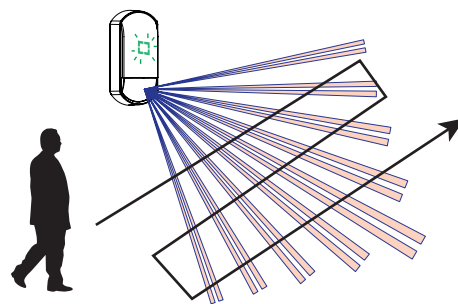
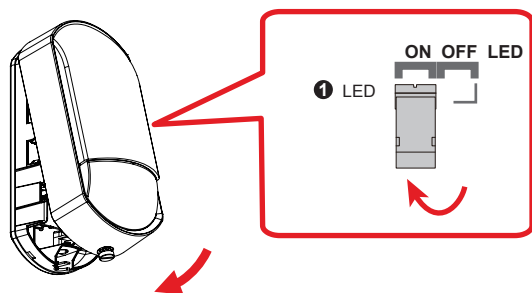
② PIR sensitivity  
H: High sensitivity  
M: Medium sensitivity  
L: Low sensitivity  
(Pet tolerance mode;  
Not certified to EN.)

Illustrations show the **default** position.

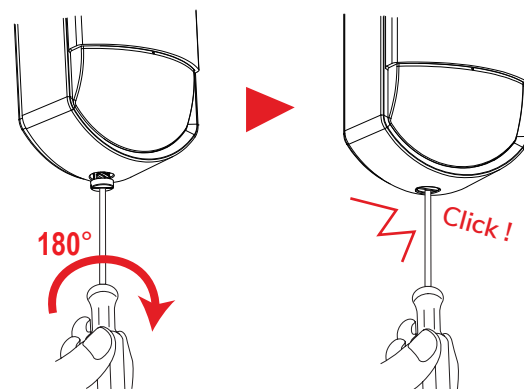
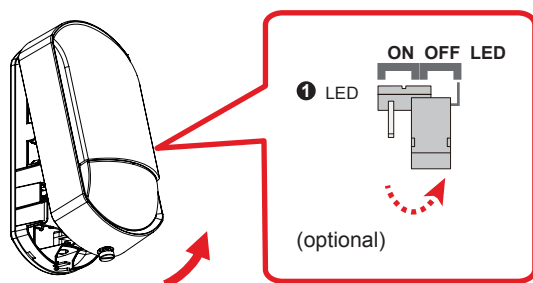


## 3-1. Walk test

- 1 Confirm that the LED pin is "ON", then close the cover. 2 Walk in the detection area to check the detecting performance via LED indication.





- 3 Return the LED pin to "OFF" after the walk test, if necessary. 4 Lock the cover




## NOTE

Conduct a walk test at least once a year.

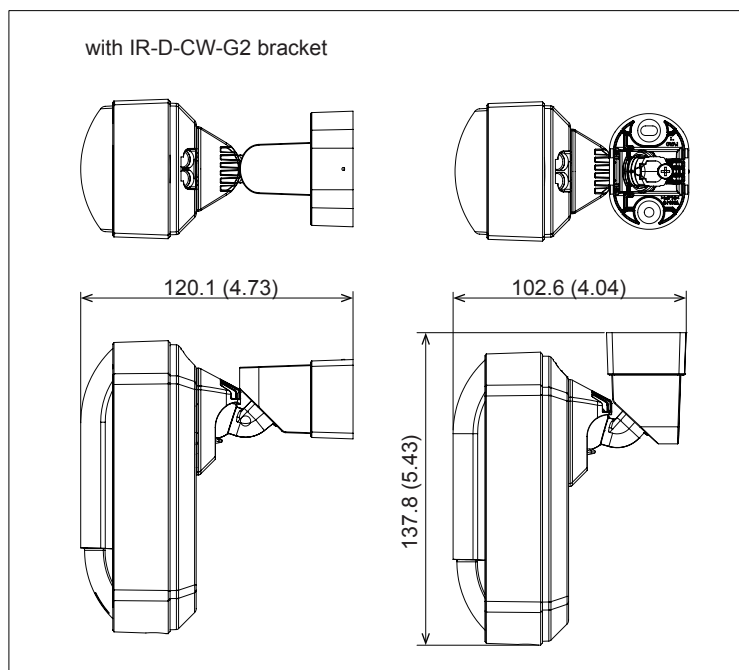
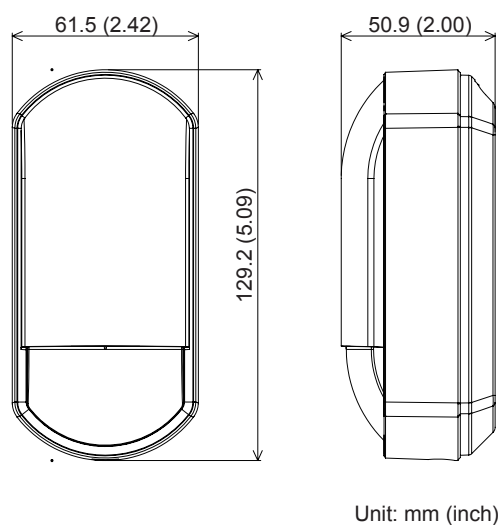
## - Specifications

Model		IR-D-P1
Installation		
Detection method		Passive infrared
Coverage		Wide: 12 m (40 ft.) 85° Narrow: 18 m (60 ft.) 5° ( No <a href="#">MW detection</a> at “Narrow” setting )
Detection zones		Wide: 76 zones/ Narrow: 12 zones
Mounting height		2.0 to 3.0 m (6'7" to 9'8")
Alarm period		2.0 ± 0.5 s
Warm-up period		Approx. 60 s (LED blinks)
LED indicator		Switchable ON/OFF Green: [1] Warm-up [2] Alarm
Electrical		
Power input		9.5 to 16 V DC  *
Current draw		8 mA (normal) 11 mA (max.) at 12 V DC
Relay output	Alarm	N.C. 24 V DC 0.1 A max. (Resistive load)
	Tamper	N.C. 24 V DC 0.1 A max. (Resistive load) (Open when the cover is removed.)
Remote LED		
Environmental		
Operation temperature		-20°C to +50°C (-4°F to +122°F)
Temperature compensation		Digital (SMDA)
Environmental humidity		95% max.
RF interference		No alarm 10 V/m
Mechanical		
Dimension		H: 129.2 x W: 61.5 x D: 50.9 mm (H: 5.09" x W: 2.42" x D: 2.00")
Weight		Approx. 90 g (3.17 oz) (with Bracket : Approx. 120 g (4.23 oz))
Mounting		Wall, Corner (Indoor) (with Bracket : Wall, Corner, Ceiling)

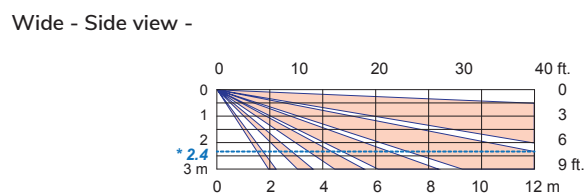
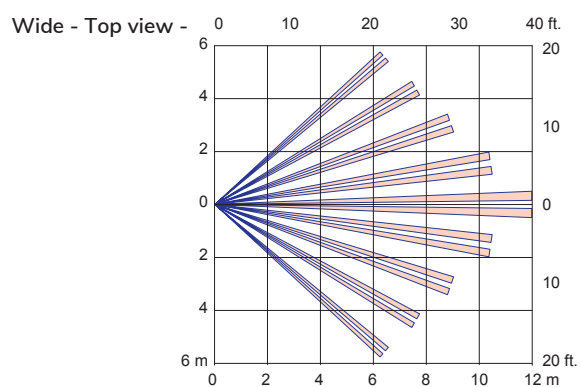
- Specifications and designs are subject to change without prior notice.
- These units are designed to detect an intruder and activate an alarm control panel.  
Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.

\* Shall be powered via a UL listed burglar alarm class 2 output power limited power supply that has a min standby power of 4 hrs.

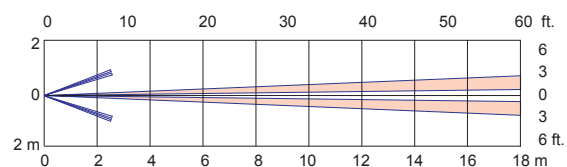
## - Dimensions



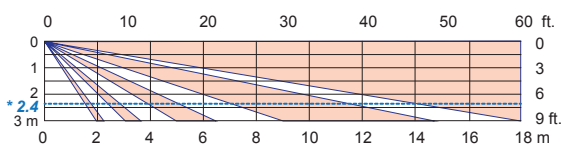
## - Detection area



Narrow - Top view -



Narrow - Side view -

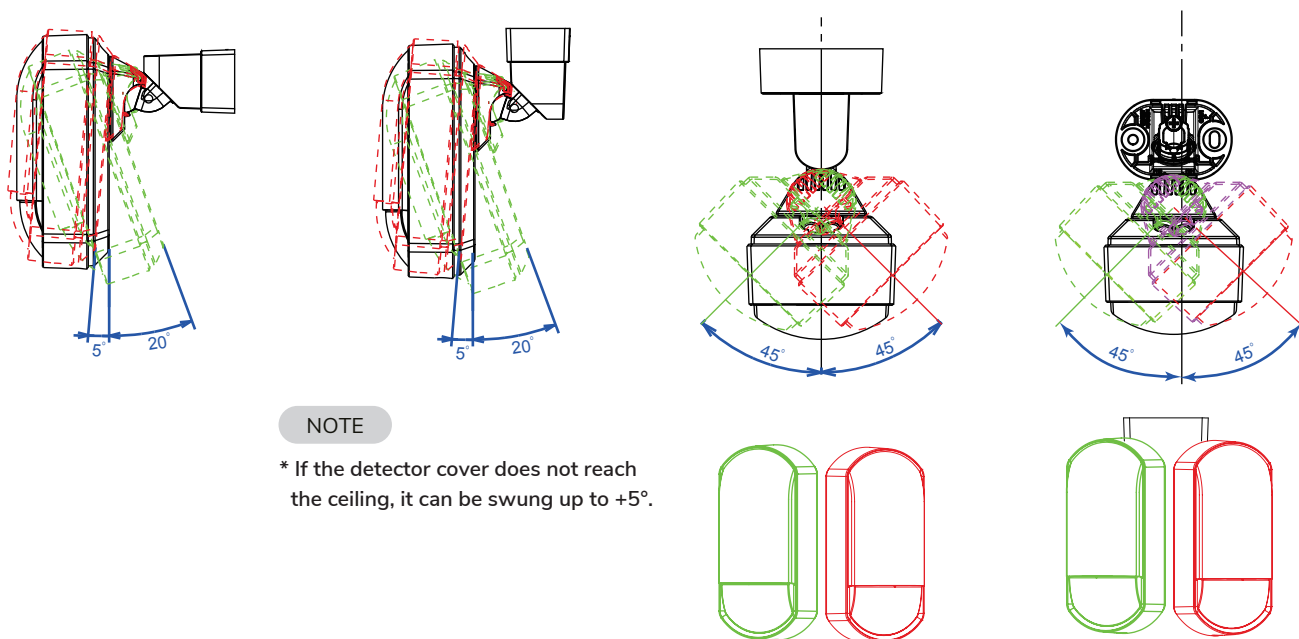


### NOTE

- The \* 2.4 m dotted line indicates the recommended mounting height.
- Narrow area settings are **not** certified to the following standards.  
EN 50131-2-2 (IR-D-P1)



## - Angle adjustment with bracket IR-D-CW-G2



## - Compliance

EN 50131-1 Grades and Environmental Class; Security Grade 2, Environmental Class II  
 Applied Standards; EN 50131-2-2 (IR-D-P1)  
 Tested and certified by Kiwa  
 PD6662:2017v



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