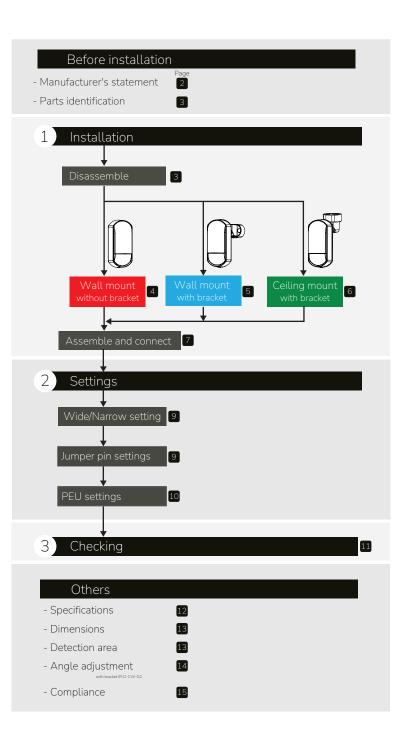


FLEXIBLE RANGE INDOOR DETECTOR

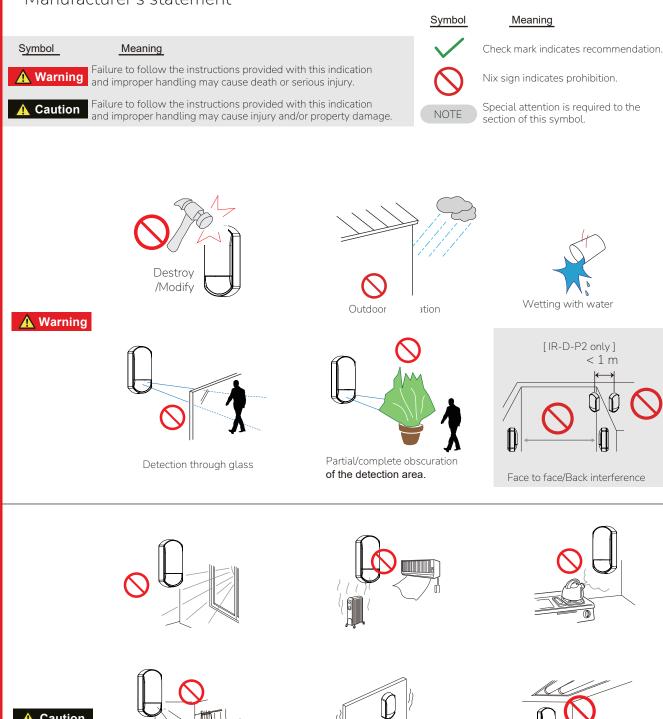
PROFESSIONAL MODELS

	Wide/Narrow area Flip lens	PIR	М	licrowave	
IR-D-P1E	\checkmark	\checkmark			
IR-D-P2E	\checkmark	\checkmark	✓ (1)	10,525 GHz)	
IR-D-P2E-UK	\checkmark	\checkmark	✓ (1)	10,587 GHz)	



Before installation

- Manufacturer's statement



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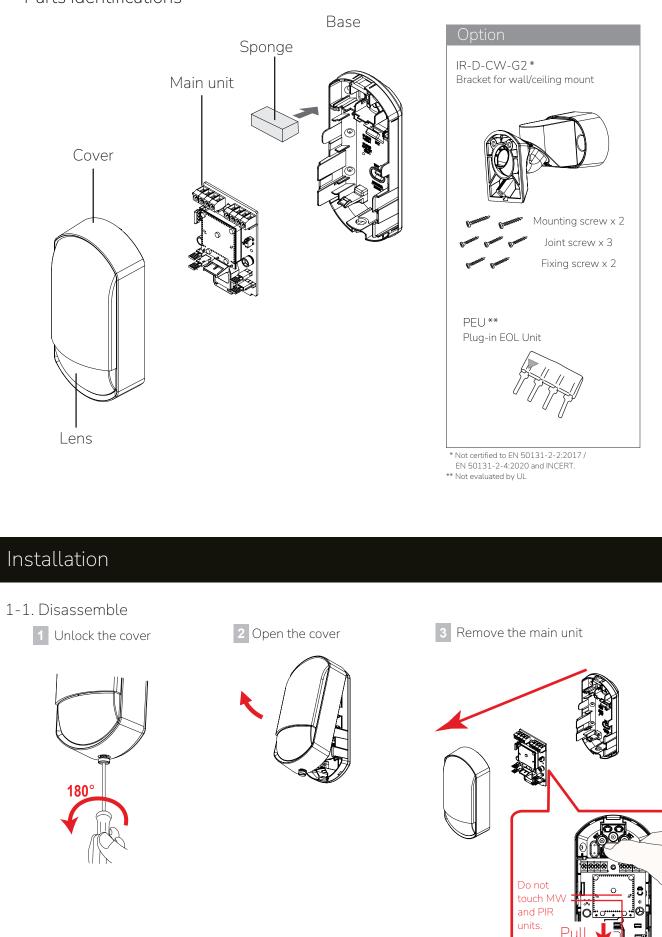
Follow to the Regulations

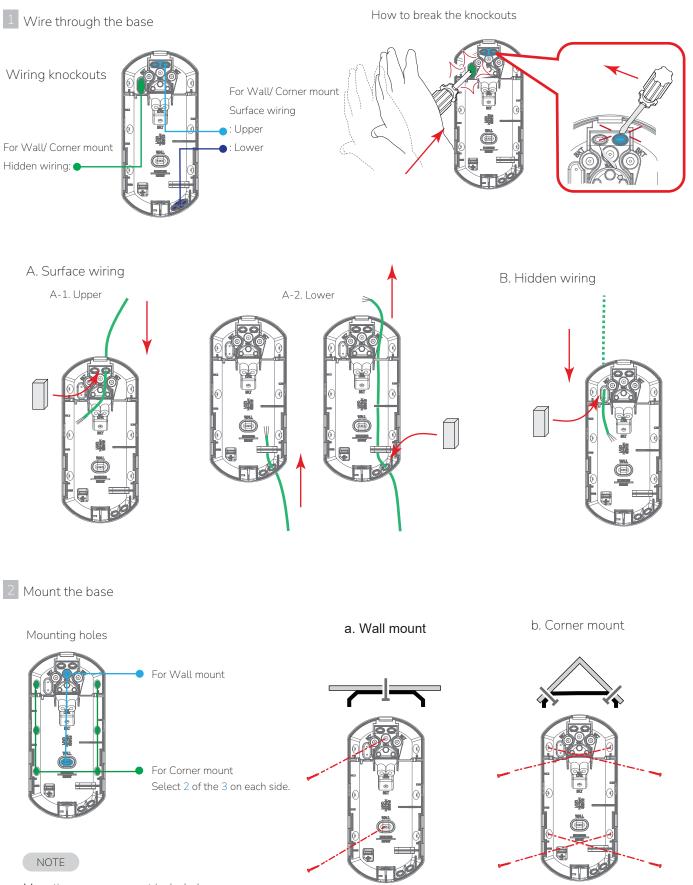
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NSTALLATION

- Parts identifications

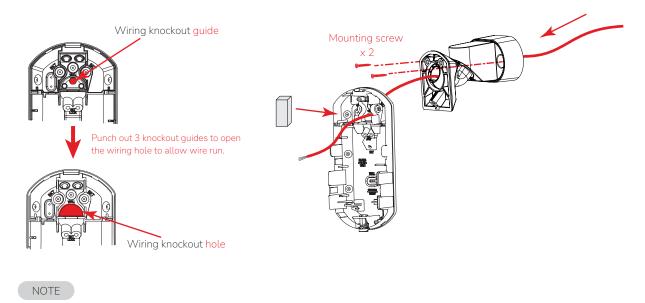




Mounting screws are not included. Φ 3 mm screws are recommended.

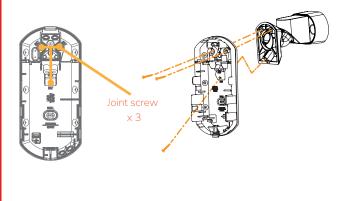


1 Wire and mount on the wall



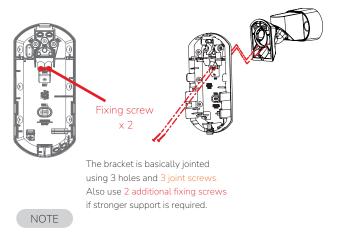
See page 4 for how to break the knockouts.

2 Join the base on the bracket



NOTE

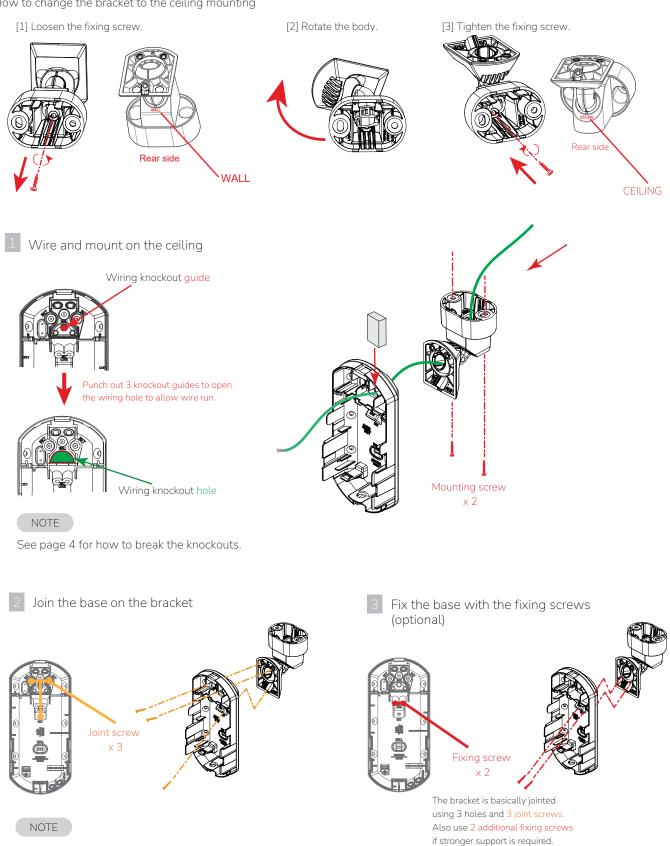
Adjust the detection direction while jointing. Confirming with a walk test is required. --> Refer to "3-1. Walk test" 3 Fix the base with the fixing screws (optional)



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



How to change the bracket to the ceiling mounting

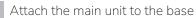


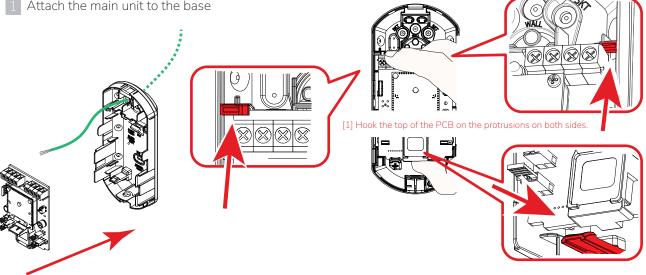
Adjust the detection direction while jointing. Confirming with a walk test is required. --> Refer to "3-1. Walk test"

NOTE

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

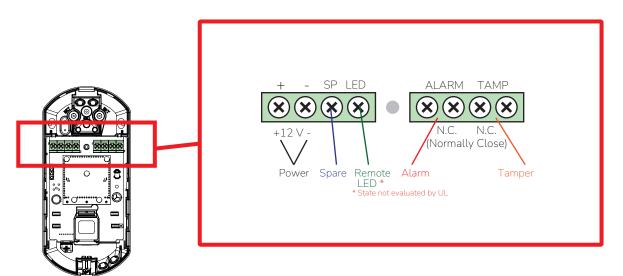
1-5. Assemble and connect





[2] Push the bottom of the PCB over the protruding claws.

2 Connect wires to the terminal



Power cable length

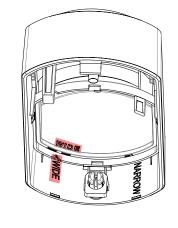
The power cable should be limited to the following length. IR-D-P1F IR-D-P2F

			IR-D-PZE			
WIRE GAUGE	12 V DC	14 V DC		WIRE GAUGE	12 V DC	14 V DC
AWG 22	520 m	1,130 m		AWG 22	410 m	890 m
(0.33 mm²)	(1,710 ft.)	(3, 718 ft.)		(0.33 mm²)	(1,350 ft.)	(2,920 ft.)
AWG 20	820 m	1,790 m		AWG 20	650 m	1,400 m
(0.52 mm²)	(2,690 ft.)	(5,870 ft.)		(0.52 mm²)	(2,130 ft.)	(4,590 ft.)
AWG 18	1,320 m	2,850 m		AWG 18	1,030 m	2,240 m
(0.83 mm²)	(4,330 ft.)	(9,350 ft.)		(0.83 mm²)	(3,380 ft.)	(7,350 ft.)

2-1. Wide/Narrow setting

1 Set the Flip lens to "Wide" or "Narrow" Go to 2-2 on Skip 2-1 when using the default "Wide" setting.

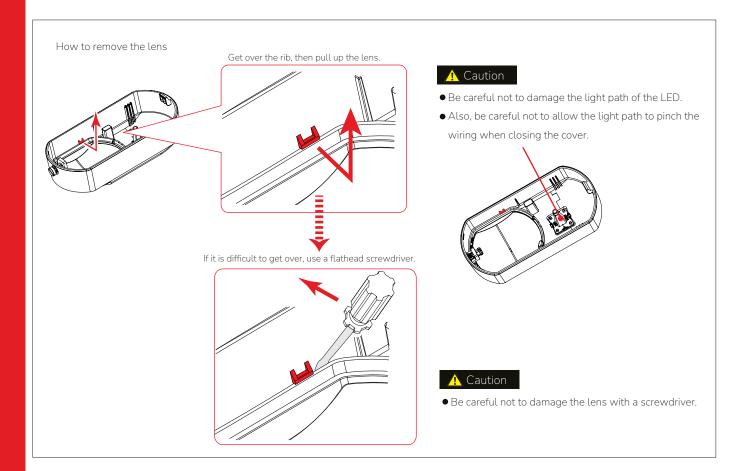




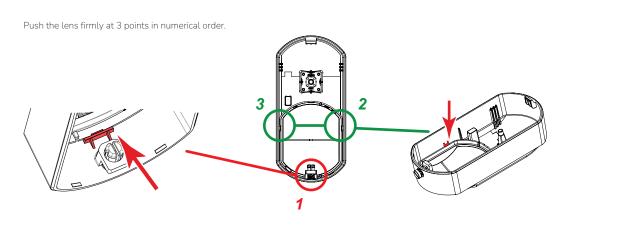
NOTE

NARROW

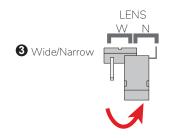
Install the lens so that the letters on the cover and on the lens match your intention.



How to install the lens



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



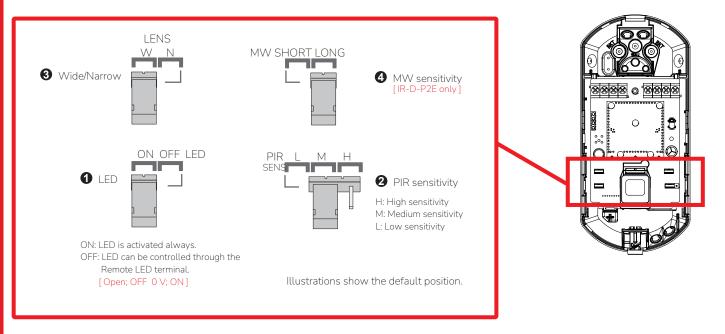
🕂 Caution

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

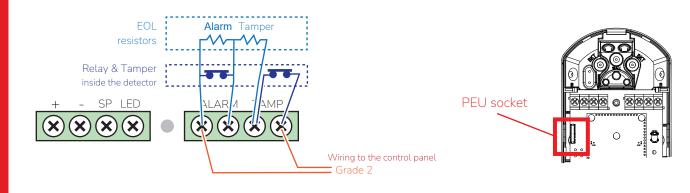
NOTE

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

2-2. Jumper pin settings



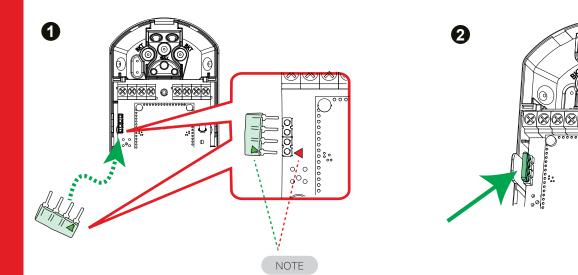
2-3. PEU settings



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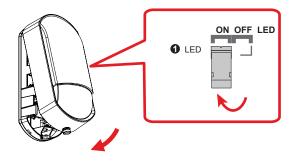


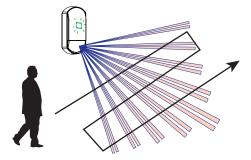
Align both triangle marks.

3-1. Walk test

1 Confirm that the LED pin is "ON" , then close the cover.

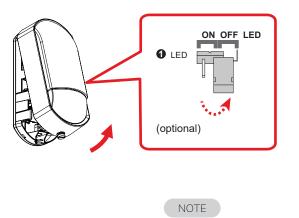
2 Walk in the detection area to check the detecting performance via LED indication.

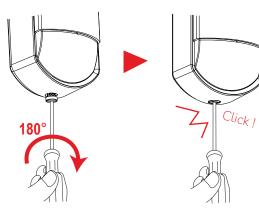




Return the LED pin to "OFF" after the walk test, if necessary.

4 Lock the cover





Conduct a walk test at least once a year.

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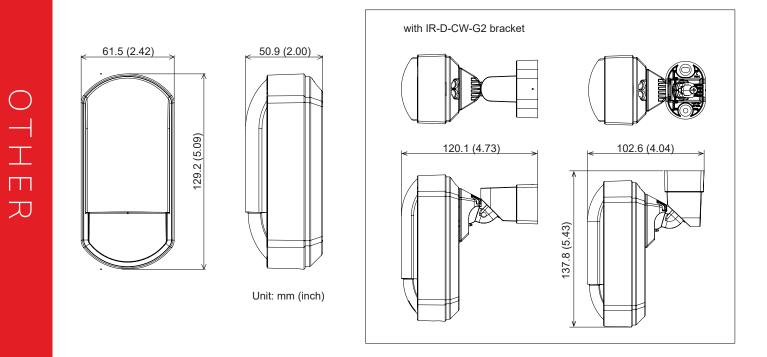
HECKING

- Specifications

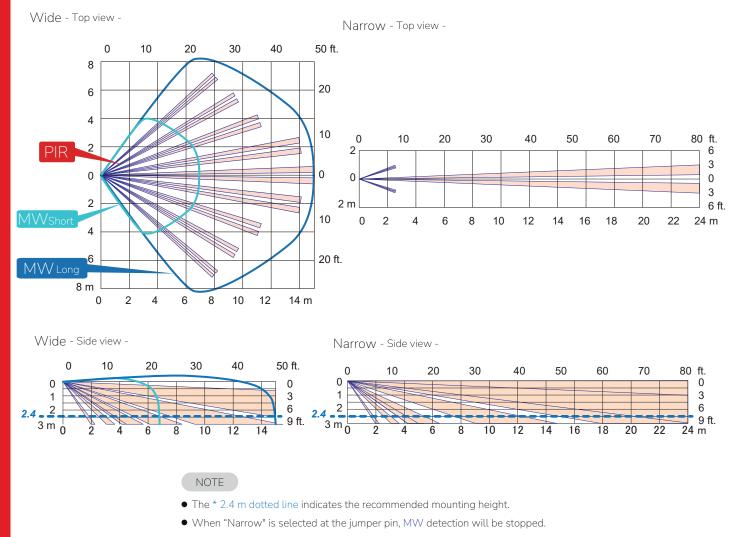
Model		IR-D-P1E	IR-D-P2E/UK		
Installation					
Detection method		Passive infrared	Passive infrared and Microwave		
Coverage		Wide:15 m (50 ft.) 85°/ Narrow:24 m (80 ft.) 5° (No MW detection at "Narrow" setting)			
Detection zones		Wide: 78 zones/ Narrow: 18 zones			
Mounting height		2.0 to 3.0 m (6'7" 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	11 mA (normal) 14 mA (max.) at 12 V DC		
Delay eutout	Alarm	N.C. 24 V DC 0.1 A max. (Resistive load)			
Relay output Tamper		N.C. 24 V DC 0.1 A max. (Resistive load) (Open when the cover is removed.)			
Remote LED		Terminal: open = OFF 0V = ON			
Environmental					
Operation temp	perature	-20℃ to +50℃(-4°F to +122°F)	-20°C to +45°C(-4°F to +113°F)		
Temperature compensation		Digital (SMDA)			
Environmental humidity		95% max.			
RF interference		No alarm 10 V/m			
Mechanical					
Dimension		H: 129.2 × W: 61.5 × D: 50.9 mm (H: 5.09" × W: 2.42" × D: 2.00")			
Weight		Approx. 95 g (3.35 oz) (with Bracket : Approx. 125 g (4.41 oz))	Approx. 110 g (3.88 oz) (with Bracket : Approx. 140 g (4.94 oz))		
Mounting		Wall, Corner (Indoor) (with Bracket : Wall, Corner, Ceiling)			

• Specifications and designs are subject to change without prior notice.

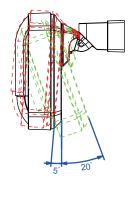
• These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion. - Dimensions

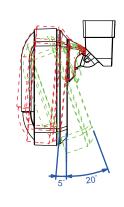


- Detection area



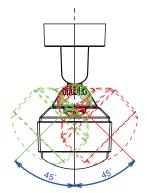
- Angle adjustment with bracket IR-D-CW-G2



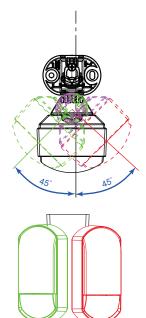


NOTE

* If the detector cover does not reach the ceiling, it can be swung up to +5°.







- RE Directive 2014/53/EU
- IR-D-P2E and IR-D-P2E-UK comply with RE Directive 2014/53/EU.

```
    Microwave emission Frequency and Power
IR-D-P2E: 10.525 GHz 15.78 mW e.ir.p
```

```
IR-D-P2E-UK: 10.587 GHz 8.93 mW e.i.r.p
```

- The following list indicates the areas of intended use of the equipment and any known restrictions.
 For countries not included in this list, please consult the responsible Spectrum Management Agency.
 10.525 GHz: Belgium, Denmark, Finland, Germany, Greece, Italy, Luxembourg, The Netherlands, Spain, Sweden, Iceland, Norway, Switzerland
 10.587 GHz: Belgium, France, Germany, Ireland, Luxembourg, The Netherlands, United Kingdom
 9.425 GHz: Austria, Czechia, Estonia, Germany, Slovakia, Turkey, Russia
- IR-D-P2E and IR-D-P2E-UK also comply with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.
- UK Radio Equipment Regulations 2017
- IR-D-P2E-UK also comply with UK radiation exposure limits set forth for an uncontrolled environment.
 This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.
- The radio equipment type IR-D-P2E-UK is in compliance with Radio Equipment Regulations 2017.

- FCC/IC -

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) This device may not cause harmful interference, and
 (2) This device must accept any interference received, including interference that may cause undesired operation.
- This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
 (1) This device may not cause interference.
 (2) This device must accept any interference, including interference that may cause undesired operation of the device
- EN 50131-1 Grades and Environmental Class; Security Grade 2, Environmental Class II Applied Standards; EN 50131-2-2 (IR-D-P1E), EN 50131-2-4 (IR-D-P2E and IR-D-P2E-UK) Tested and certified by Telefication
- larm klass 2, miljö klass II, SSF 1014
- PD6662:2017



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