

DS-PDCL12DT-EG2

Wired Dual-Tech Ceiling Detector

User Manual

EN 50131-2-4:2020
EN 50131-1+A1+A2+A3
Environment Class II
Security Grade2
Tested by TÜV Rheinland

English

1 Appearance

1. PIR sensitivity jumper 2. LED jumper 3. Alarm pin 4. Terminals
5. Tamper pin 6. Tamper 7. PIR sensor 8. LED indicator
9. Microwave sensor

2 Installation

3 Resistor Wiring

Relay Status

	Normal	PIR & Microwave Alarm	PIR Fault	Microwave Fault	Tamper
Alarm Relay	Close	Open	Open	Close	Close

Method 1: Use the jumper to select EOL (End of Line) resistance on TAMPER/ALARM pins.

Method 2: Add the resistor to TAMPER/ALARM wiring ports.

Note: If EOL wiring is not used, leave the jumpers OFF. Do not force the jumper if it is not matched the pin. Method 1 & 2 should not be used on the ALARM/TAMPER at the same time.

- a. Alarm Resistance: 1K, 2K, 4K, 5K, 6K, 8K
b. Tamper Resistance: 1K, 2K, 4K, 5K

4 Connection Type

Note: The resistor must be connected in series with one end of the detector.

- a. Normally Closed
b. Single End of Line Wiring
c. Double End of Line Wiring

5 Detection Range

6 Powering On

After powering on, the indicator flashes rapidly. Once the detector self test is completed, the LED indicator will go out until the detector detects movement.

Specification

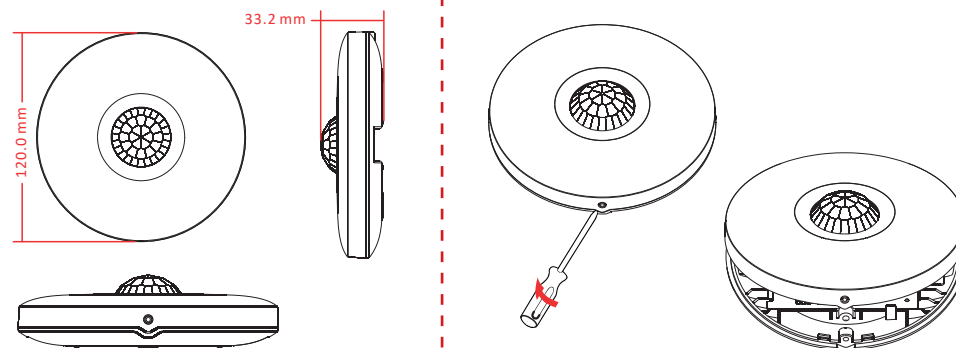
Detection method	Passive Infrared, Microwave
Detection range	12 m
Detection angle	360°
Detection zones	172
Detectable speed	0.3 to 2 m/s
Sensitivity	Auto, Low
White light filter	6500 lux
Microwave frequency	24 GHz(24 to 24.25 GHz)
Digital temperature compensation	Support
Creep zone protection	Support
Digital processing	Support
Sealed optics	Support
Tamper protection	Front
LED indicator	Green(PIR), Red(Microwave), Blue(Alarm)
Power consumption	100 mA Max
Power supply	9 to 16 VDC
Typical voltage	12 VDC
Operation temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operation humidity	10% to 90%
Dimension	φ120 mm x 33.2 mm
Weight	138 g
Mounting height	2.4 to 4 m
Mounting method	Ceiling
Application scenario	Indoor

Please use the power supplies comply with the requirements of EN 50131-6 at the appropriate grade and environmental class.

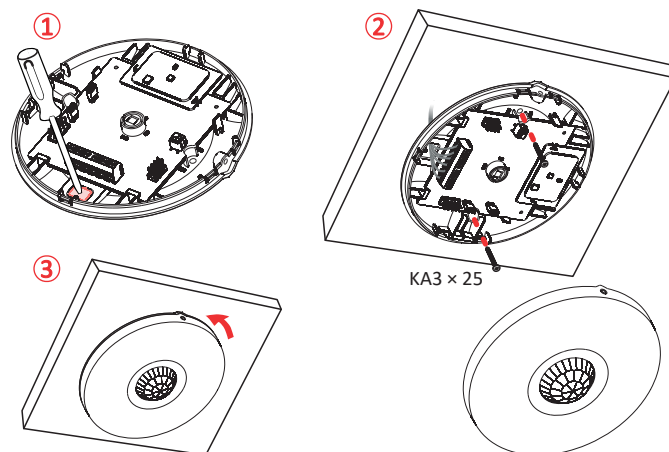
⚠ Please do not obscure the detector's field of view partially or completely.

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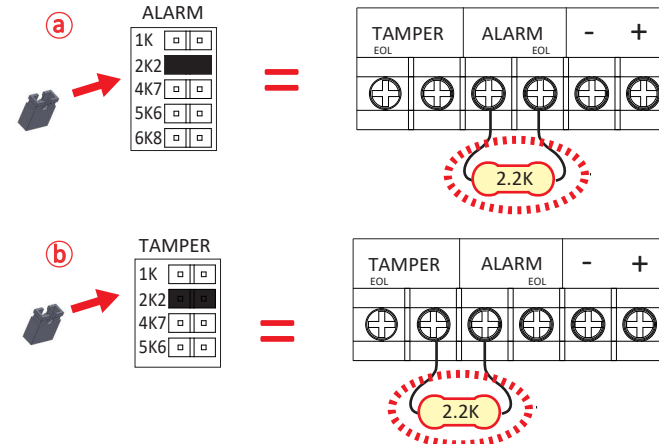
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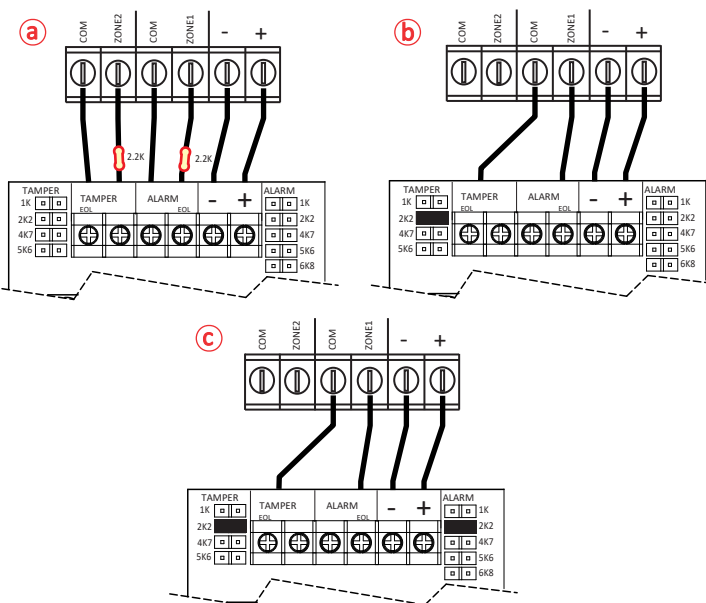
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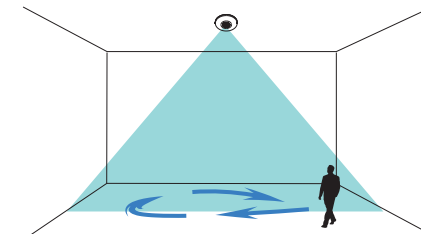
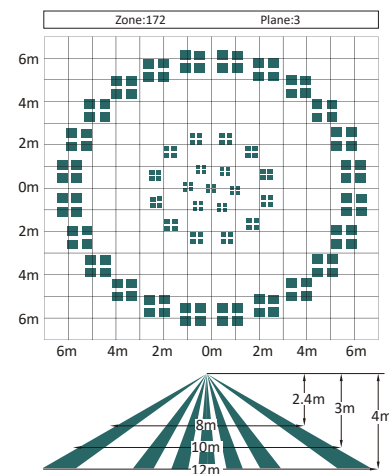
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4



5



English

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About this Manual
The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<http://www.hikvision.com/>).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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CE This product and / if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU

WEEE 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

BATTERY 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Conditions:

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

INSTALLATION CAUTION

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1. Install the equipment according to the instructions in this manual.
2. To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.