DS-PDCL12-EG2-WE(B)/WB(B)
Wireless PIR Ceiling Detector

EN 50131-1:2006+A1:2009+A2:2017
EN 50131-2-2:2017
EN 50131-5-3:2017

Security Grade(SG) 2
Environmental Class(EC) II

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replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
– disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
– leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; and
– a battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas

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

1 Appearance

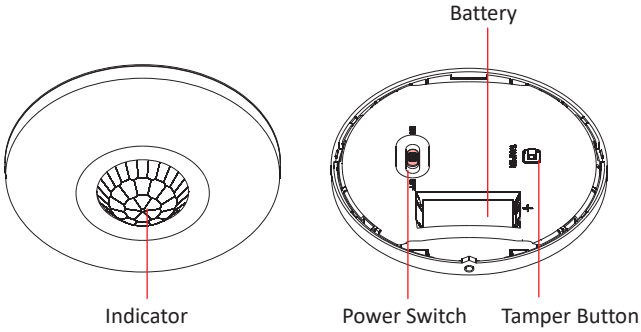
CAUTION

IF THE BATTERY COMPARTMENT DOES NOT CLOSE SECURELY, STOP USING THE PRODUCT AND KEEP IT AWAY FROM CHILDREN.

CAUTION

CHEMICAL BURNING DANGER
DO NOT SWALLOW THE BATTERY
KEEP NEW AND USED BATTERIES AWAY FROM THE CHILDREN.

IF YOU THINK BATTERIES MIGHT HAVE BEEN SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY, SEEK IMMEDIATE MEDICAL ATTENTION.



CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
REPLACEMENT OF A BATTERY WITH AN INCORRECT TYPE THAT CAN DEFEAT A SAFEGUARD.

CAUTION

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS AND LOCAL REGULATION.

\+ identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.

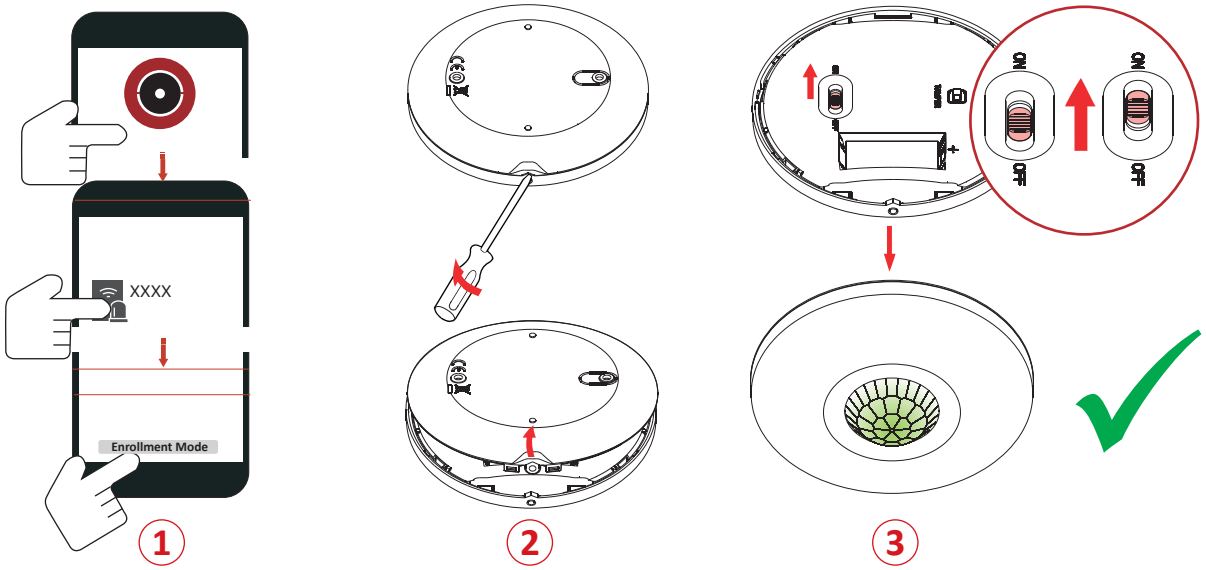
2 Enrollment

Note: The enrollment progress will be completed in 3 to 10 seconds normally, and the maximum enrollment duration is 3 minutes.

1. Log in to the APP Store, download and install Hik-Pro.
2. Power on the security control panel.
3. Log in the APP and tap the icon "+" . Scan the QR code or input the control panel serial No. to add the control panel.

❶ Enroll the Peripheral Locally

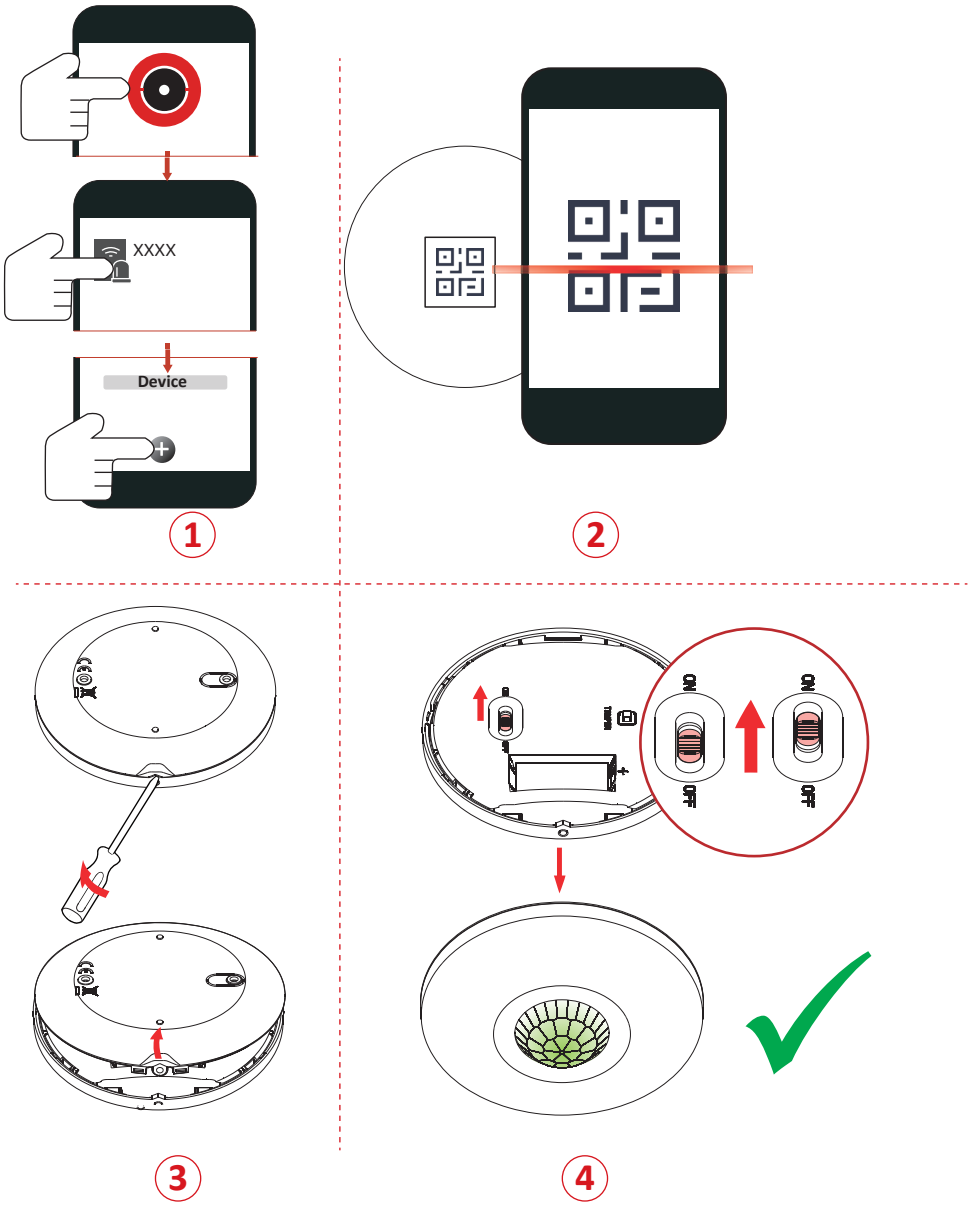
1. In the APP, tap the "Enrollment Mode" button on the control panel page to make the control panel enter the enrollment status.
2. Remove rear panel.
3. Power on the peripheral, and it will be automatically enrolled to the control panel.



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❷ Enroll the Peripheral with QR and serial No.

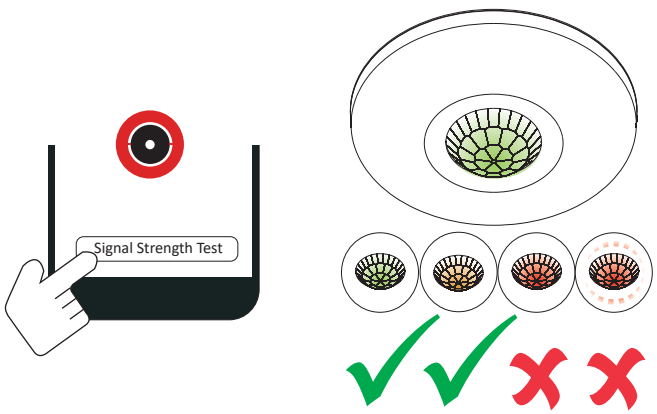
1. In the APP, tap the icon "+"and scan the QR code or serial No. on the peripheral.
2. Remove rear panel.
3. Power on the peripheral, and it will be automatically enrolled to the control panel.



Note: Hold the tamper button, and make the device power off and then power on for re-enrollment.

3 Installation

1. Check Signal Strength
Enter the signal checking mode by operating on the control panel. Trigger the detector.
Solid Green for 3 s - Strong Signal
Solid Orange for 3 s - Medium Signal
Solid Red for 3 s - Weak Signal
Red light flashes for 3S - Failure

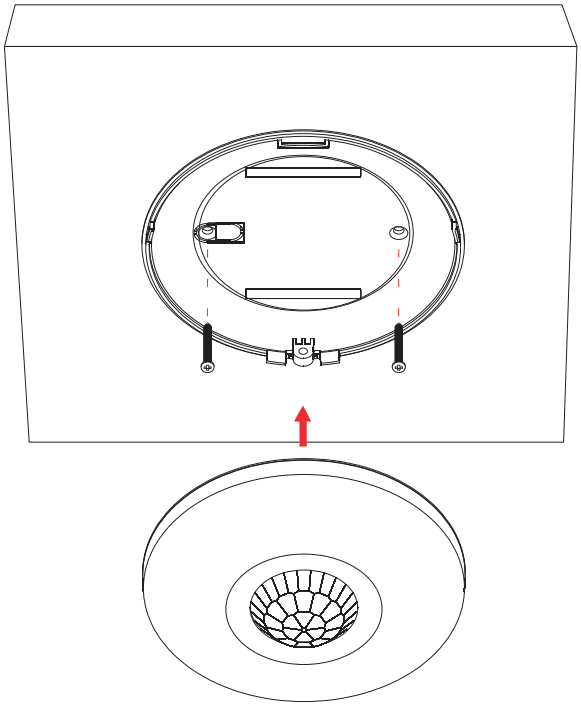


2. Install the Detector

Note: The additional force shall be equal to three times the weight of the equipment but not less than 50N. The equipment and its associated mounting means shall remain secure during the installation. After the installation, the equipment, including any associated mounting plate, shall not be damaged.

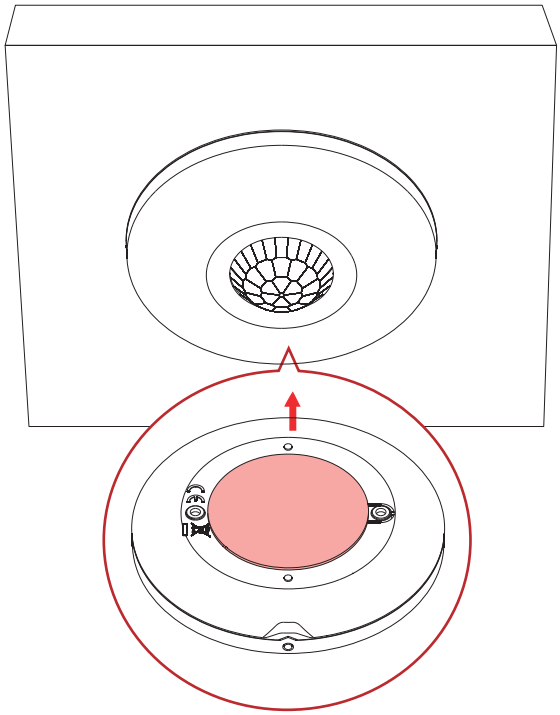
with Screws

Secure the rear panel on the wall with four screws.



with the Sponge Tape

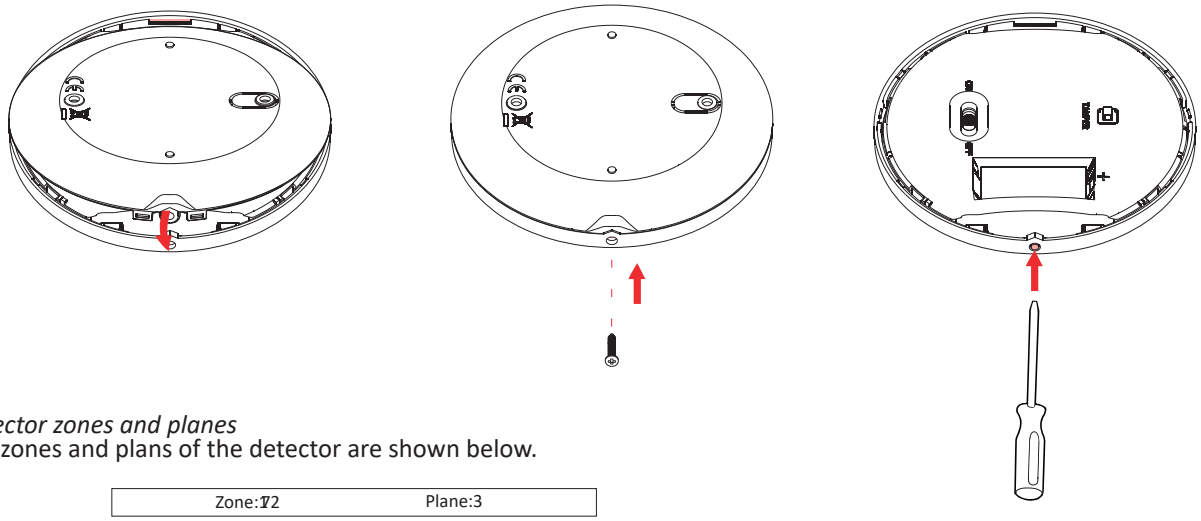
Paste the device on the wall with sponge tape.



Note: Installing with sponge tape is non EN compliant.

Fix with Set Screw (Optional)

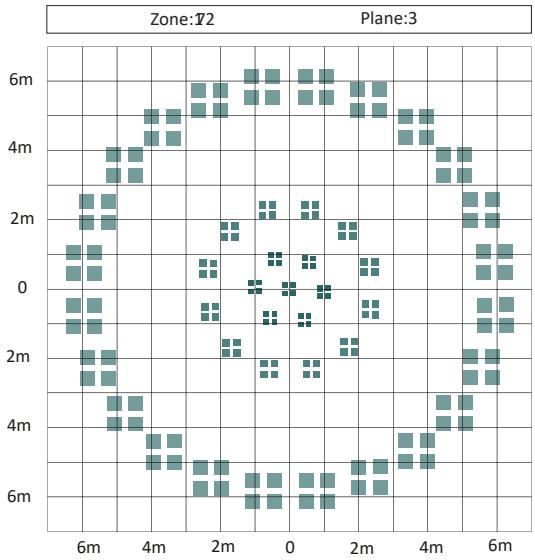
Fix the rear panel and detector with the set screw.

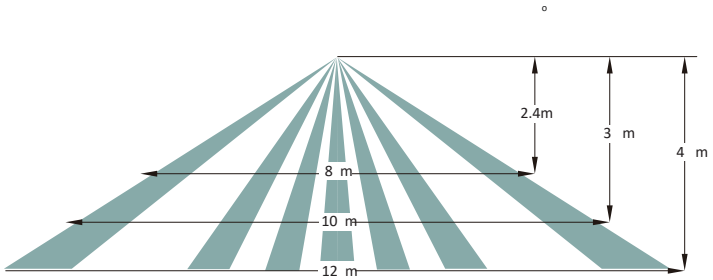


4 Test

Detector zones and planes

The zones and plans of the detector are shown below.

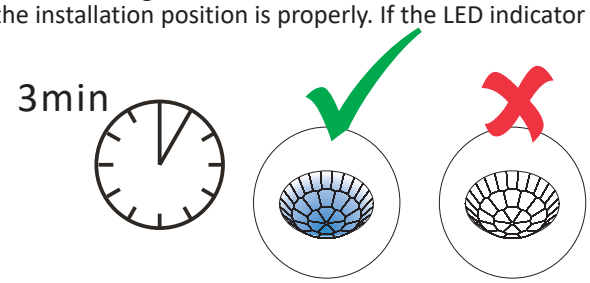


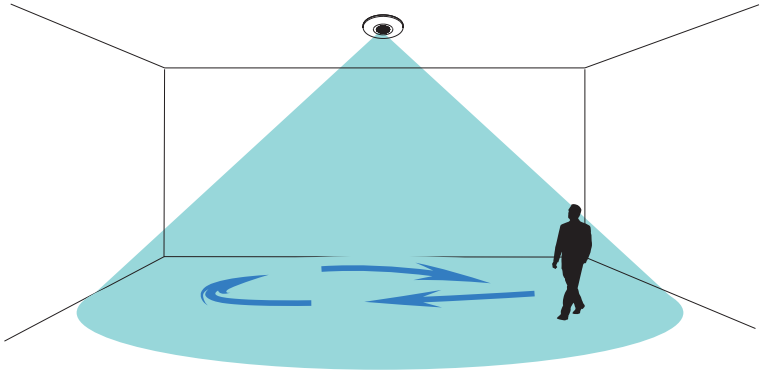


The detector will enter the walk test mode (3 minutes) after being enrolled.

Trigger the detector within the detection range.

If the LED indicator turns blue, the installation position is properly. If the LED indicator is still off, adjust the position of the detector.





5 Formatting

Hold the tamper switch for 8 s and power the device on at the same time. The red LED flashes 3 times when the formatting operation is completed.

6 Set up with App

You can view the device status including temperature, signal intensity, battery level, lid, arming/disarming, etc.,on the device page. Tap the button to enter the settings page.

Function	Description
Zone Type	Select the zone type of the detector.
Stay Arm Bypass	Slide to green to bypass the zone from stay arming.
Chime	Slide to green to enable the chime.
Enable Silent Zone	Slide to green to make the zone keep silent while alarm is triggered.
Sounder Delay Time	Set he sounder delay time up to
Double Knock	Slide to green to make the zone alarm with double knock.
Cross Zone	If the alarm triggered in both of the linked zones within the set time, two alarm messages will be reported.
Link Camera	Link with a camera for intruder
Sensitivity	Set the sensitivity of the detector. Higher sensitivity makes the intruder easier to be detected.
Swinger limit activation	Set the limit times of swinger activition .
LED	Turn On/Off the LED.
Polling Rate	Set the interval of heartbeat.
Signal Strength Test	Enter the test mode, and view the LED indication.
Detection Zone Test	Enter the test mode, and start walk test.
Find Me	Tap to enter the page and tap Start. The indicator of the device will then flashes.
Zone Bypass	By pass the zone.

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6 Operation Caution and Device Maintenance

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operation temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device for indoor use shall be kept from rain and moisture.
Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Do not expose the device to the corrosive gas. Otherwise the equipment damage may occur.
- Do not expose the device to the explosive situation.

7 Specification

DS-PDCL12-EG2-WE(B)/WB(B)	
Detection Method	Passive Infrared
Sensor Model	SBG4L46-711
Detection Range	12m
Detection Angle	360°
Detection Zones	172
Detectable Speed	0.3 ~ 2m/s
Sensitivity	Auto,Low
White Light Filter	6500lux
Digital Temperature Compensation	Support
Digital Processing	Support
Sealed Optics	Support
Tamper Protection	Front,Rear
Environment Temperature Indicator	Support
Signal Strength Indicator	Support
Power Switch	Power Up Enrolling
LED Indicator	Blue(Alarm)
Transmission Technology	Tri-X Wireless
Transmission Method	Two-Way RF Wireless
Transmission Frequency	868 MHz/433 MHz
Transmission Security	AES-128 Encryption
Transmission Range (Open area)	1600 m (868 MHz)/800 m (433 MHz)
Frequency Hopping	Support
Enrolling Method	Power up,Remote ID,QR Code
Power Supply	Battery Powered
Battery Type	CR123A × 1
Typical Voltage	3V
Standard Battery Life	5 years in work status (being triggered 20 times per day)
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 (D × D)	101.2 mm x 32.9 mm
Weight	109.5 g
Mounting Height	2.4 to 4m
Mounting Method	Ceiling
Application Scenario	Indoor

Note: when the low voltage message appears there will be at least 30 days of use.

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