

# DS-PDD12P-EG2-WB/WE

## Wireless Dual-Tech Detector

# HIKVISION

EN50131-1:2006+A1:2009+A2:2017  
EN 50131-2-4:2008  
EN 50131-5-3:2017

Security Grade(SG) 2  
Environmental Class(EC) II  
Certified by Telefication

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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 (<https://www.hikvision.com/>).

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

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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](http://www.recyclethis.info)



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](http://www.recyclethis.info)

## 1 Appearance

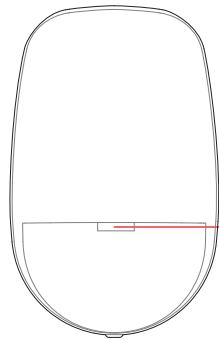
### CAUTION

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

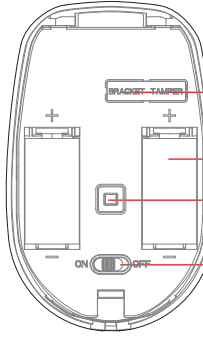
### CAUTION

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.



Indicator



Bracket Tamper Port

Battery

Tamper Switch

Power Switch

### 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.

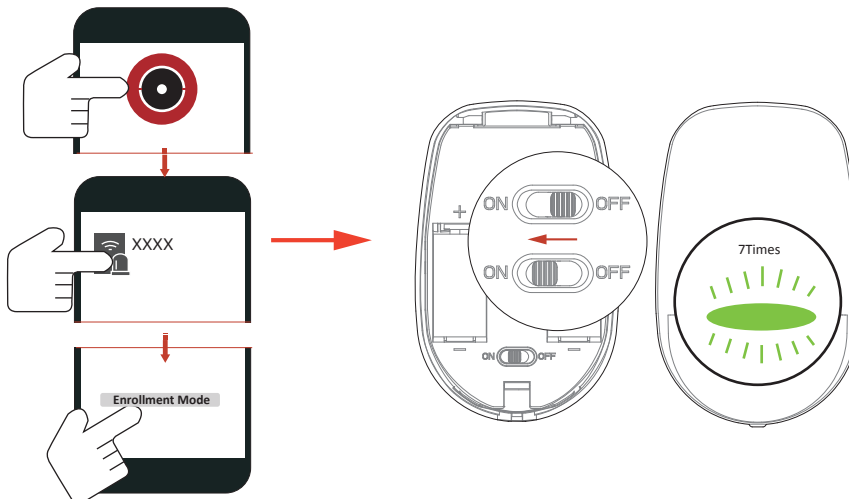
## 2 Enrollment

**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.

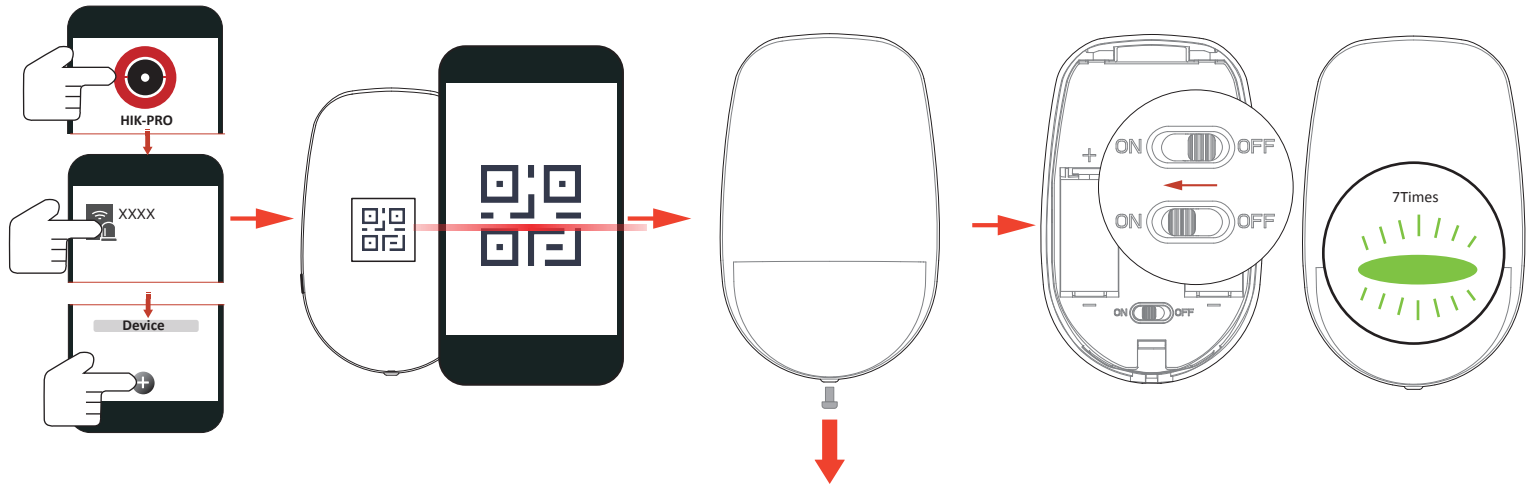
### 1 Enroll the Peripheral Locally

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



## 2 Enroll the Peripheral with QR and serial No.

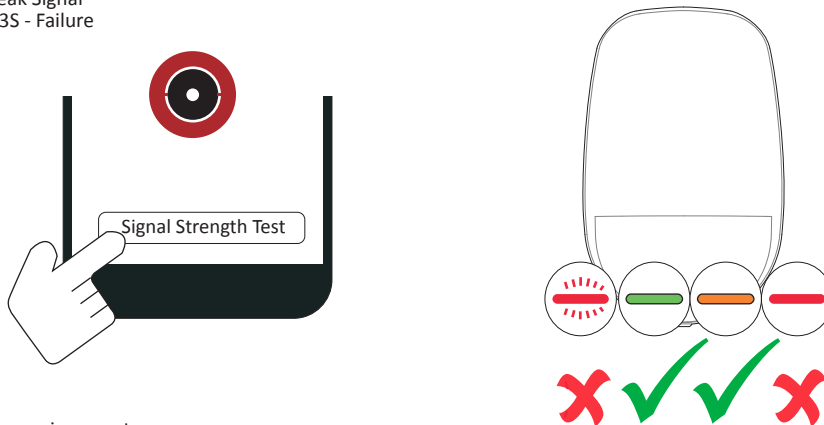
1. In the APP, tap the icon "+" and scan the QR code or serial No. on the peripheral.
2. Loosen the screw and remove rear panel.
3. Power on the peripheral, and it will be automatically enrolled to the control panel.



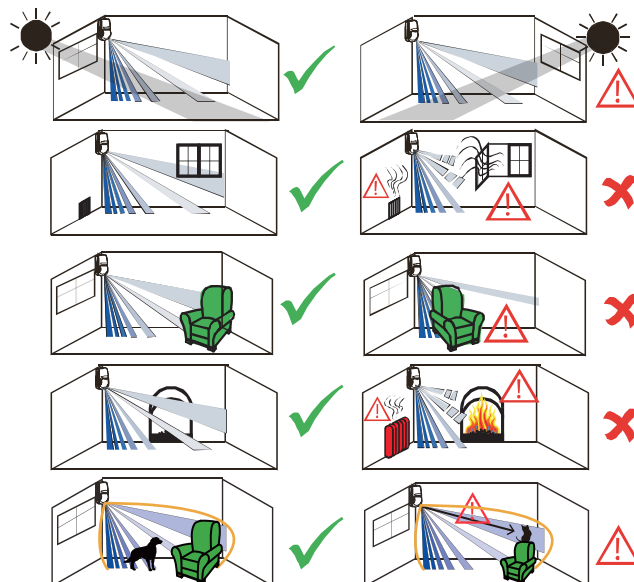
Note: Hold the tamper button, and make the device power off and then power on for re-enrollment.

## 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. Check the installation environment

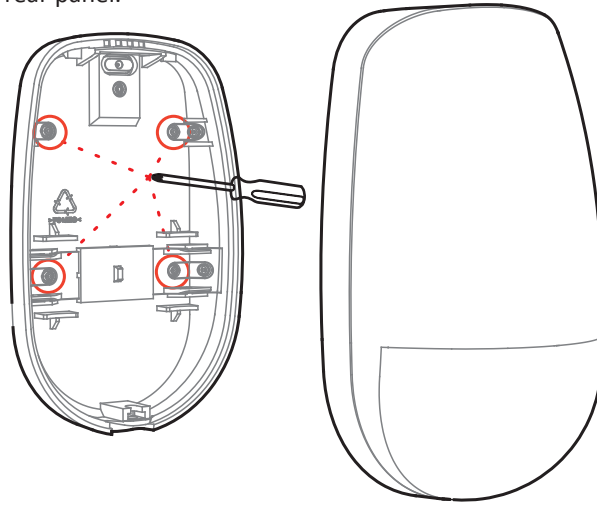


### 3. Install the Detector

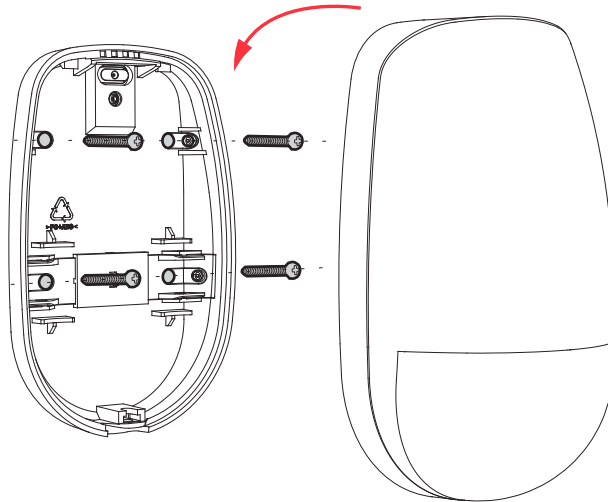
Note: The additional force shall be equal to three times the weight of the equipment but not less than 50N. The equipment and its associated mounting means shall remain secure during the installation. After the installation, the equipment, including any associated mounting plate, shall not be damaged.

#### *with Screws*

- a. Knock out the screw holes on the rear panel.

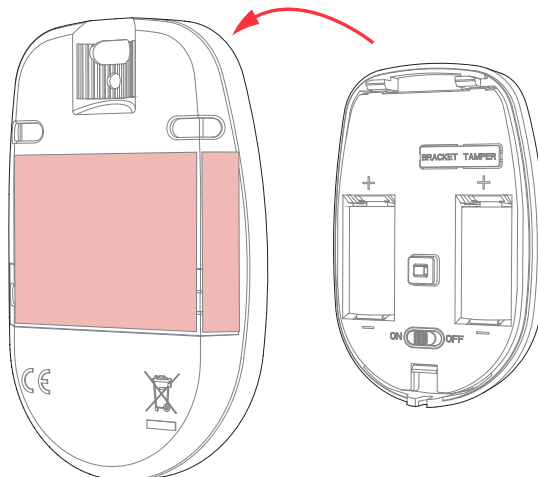


- b. Secure the rear panel on the wall with four screws.

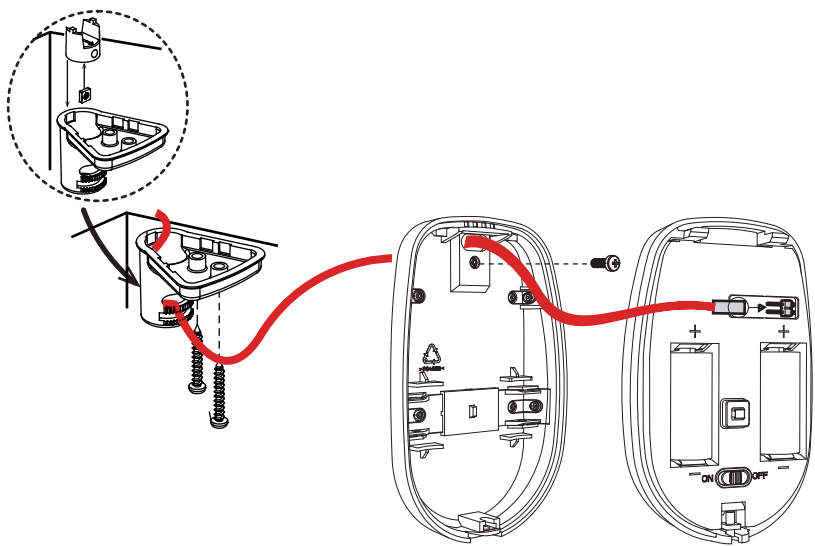


#### *with the Sponge Tape*

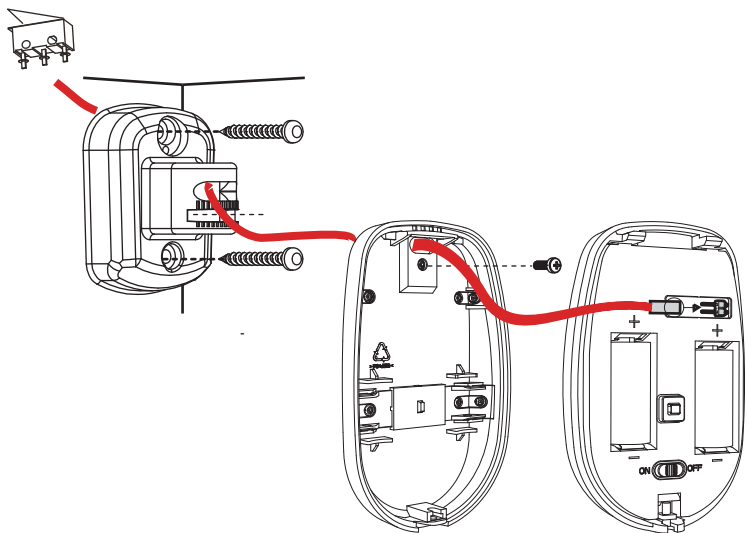
Paste the device on the wall with sponge tape.



Bracket Installation  
Ceiling Bracket Fitting (Non EN compliant)

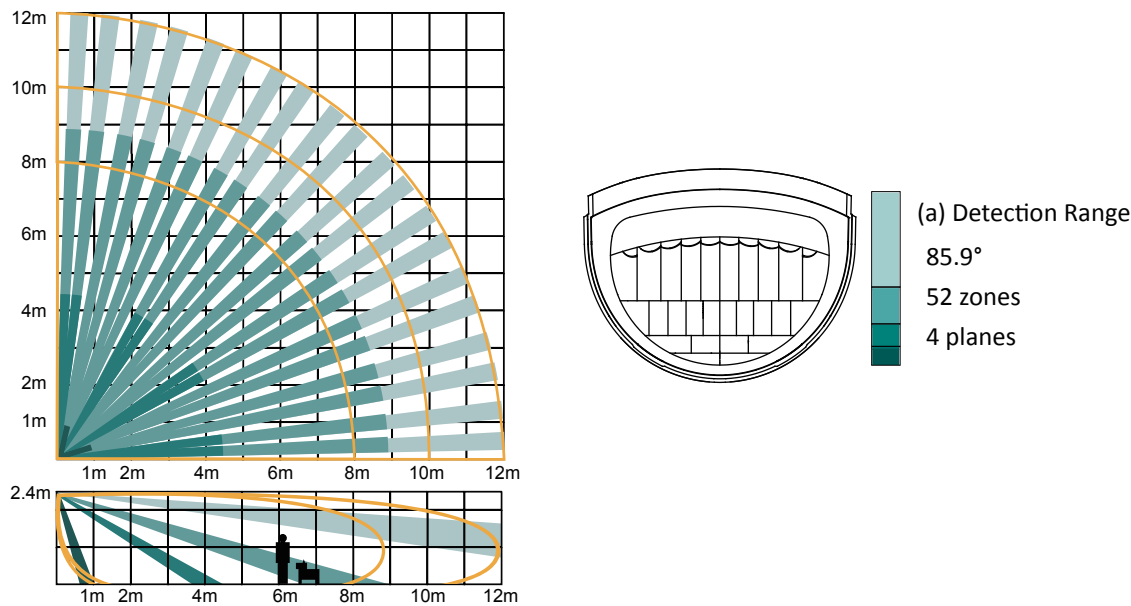


Wall Bracket Fitting



4 Test

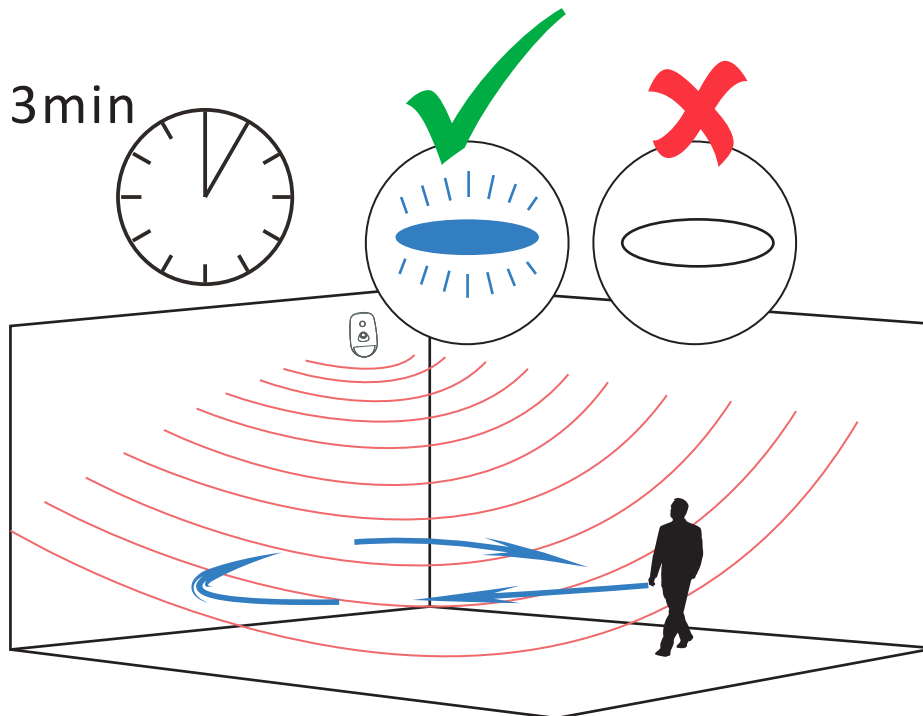
Detector zones and planes  
The zones and plans of the PIRCAM are shown below.



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 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.

Model		DS-PDD12PEG2WB/WE
Detection Performance	Detection Method	Passive Infrared,Microwave
	Sensor Model	SFG321-711
	Detection Range	12m
	Detection Angle	85.9°
	Detection Zones	52
	Detectable Speed	0.3 to 2m/s
	Sensitivity	Auto,High,Pet
	Pet Immunity	30Kg
	White Light Filter	6500lux
	Microwave Frequency	24GHz(24.15~24.25GHz)
	Digital Temperature Compensation	Support
	Creep Zone Protection	Support
Feature	Digital Processing	Support
	Sealed Optics	Support
	Tamper Protection	Front,Rear
	Environment Temperature Indicator	Support
	Signal Strength Indicator	Support
Interface	Power Switch	Power Up Enrolling
	LED Indicator	Green(PIR), Red(Microwave), Blue(Alarm)
Transmission	Transmission Technology	Tri-X Wireless
	Transmission Method	Two-Way RF Wireless
	Transmission Frequency	433MHz/868MHz
	Transmission Security	AES-128 Encryption
	Transmission Range(Free Space)	1.2 Km(433MHz)/1.6 Km(868MHz)
	Frequency Hopping	Support
	Enrolling Method	Power up,Remote ID,QR Code
Electrical Characteristics	Power Supply	Battery Powered
	Battery Type	CR123A × 2
	Typical Voltage	3V
	Standard Battery Life	5 Years
General	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(WxHxD)	65.5mm × 103mm × 48.5mm