

Environmental Sensor

User's Manual

V1.0.0

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1. Important Safeguards and Warnings

This manual will help you to use the device properly. Read the manual carefully before using the device, and keep it well for future reference.

Operation Requirements

CAUTION

- Make sure that the power supply of the device works properly before use.
- Use the device according to the operating environment.
- Only use the device within the rated power range.
- Transport, use and store the device under allowed humidity and temperature conditions.
- Prevent liquids from splashing or dripping on the device. Make sure that there are no objects filled with liquid on top of the device to avoid liquids flowing into it.

Installation Requirements

WARNING

Failure to properly install and operate this device will prevent proper operation of the device and will prevent its response to fire hazards.

CAUTION

- Observe all safety procedures and wear required protective equipment provided for your use while working at heights.
- Do not expose the device to direct sunlight or heat sources.
- Keep the original packing material well because you might need it to pack the device and send it back for repair.
- Make sure the application scenario conforms to installation requirements. Contact your local retailer or customer service center if there is any problem.
- All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.

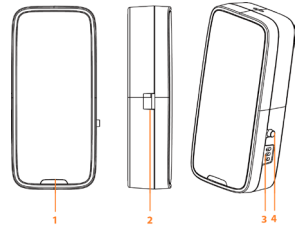
2. Introduction

2.1 Product information

Environmental Sensor is designated to monitor indoor temperature and humidity, making it easier for individuals to monitor their local environment. This device collects and reports real-time data through a wireless gateway. You can access the sensor readings from the Wisualarm App remotely. With advances in Wisulink connectivity, it can interlink with other Wisualarm wireless smoke/heat/CO alarms to form an interconnected network.

This product is suitable for environmental monitoring in household or similar residential application, such as family home or apartment.

2.2 Product profile



No.	Section	Description
1	Indicator	<ul style="list-style-type: none"> ● Power on: flashes red once ● Standby: flashes green once per minute ● Alarm: flashes red once per second ● Fault: flashes red twice per minute ● Pairing: flashes green every second
2	Power switch	Power on/off the device
3	Air inlet	Air inlet should be clean and free of obstructions to ensure unobstructed air access
4	Pairing button	Press this button to pair with wireless gateway

3. Technical Information

Specification	Introduction
Collection Type	Temperature, Humidity
Alarm Type	Abnormal temperature alarm, humidity alarm, fault warning, low battery warning
Power Source	DC 3V
Alarm Mode	Visual alarm
Sampling Period	10s
RF Range	Up to 1000m(3280.84 ft) in free air
RF Frequency	868MHz
Interconnect	Up to 24 WisuLink RF devices
Power Source	3V CR123A lithium battery (non-replaceable)
Battery	10 years lithium battery (non-replaceable)
Operating Current	<ul style="list-style-type: none"> ● Monitoring current: ≤15uA (avg.) ● Alarm current: ≤35mA (avg.)
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Casing	PC+ABS

Specification	Introduction
Dimensions	40.4 mm × 83.6 mm × 20.3 mm (1.59" × 3.29" × 0.80")
Weight	50 g (0.11 lb)
Installation	Wall mounting
Operating Environment	Indoor
Certifications	CE, UKCA
Compliance Standards	EN 300 220-1, EN 300 220-2, EN 301 489-1, EN 301 489-3 & EN 62368-1

4. Device Installation

⚠ CAUTION

To install the Environmental Sensor, it is necessary to have a functioning Wisualarm wireless gateway installed in the residence and accessible through the Wisualarm App.

4.1 Installation position

⚠ CAUTION

This device is intended for use in ordinary indoor locations of family living units. Construction and layout of individual dwellings will vary, so this should be regarded as a reference only.

- Prioritize the installation in the most populated or commonly used spaces, e.g., bedrooms and living rooms.
- Ensure that the device is outside of any dead air spaces that occur in corners and spaces where the airflow may be blocked.
- Site device 300 mm (12") at least from walls, light fittings, corners, or other obstructions.
- At approximately 1.4m from the floor level.
- Place sensors near the typical breathing zone height (3 ft~6 ft) from the floor level.
- Keep away from pollution sources or vents.
- Avoid following places:
 - ◇ Kitchens, boiler rooms, and other damp areas.
 - ◇ Dusty areas or places attract inserts.
 - ◇ Next to air conditioner, fan, air vent, or other similar ventilation openings.
 - ◇ In direct sunlight.

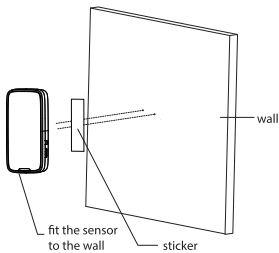
4.2 Installation steps

Follow below steps to install the device properly.

Step 1 Choose a suitable place to install device.

Step 2 Attach the sticker to the back of device and then paste the device on the selected position.

Figure 4 -1 Installation



4.3 Add the environmental sensor to the gateway system

Step 1 Log in to Wisualarm.

Please scan the QR code below, or search for "Wisualarm" in the app store to download and install the app. If you already use the app, make sure that you are using the latest version.



Step 2 Follow the instructions in the Wisualarm App.

The collected environment information is available in this app.

5. Discard



Waste electrical products should not be disposed of your other household waste. Please dispose in an environmentally friendly manner, and strictly follow the local regulations regarding the disposal or recycling of the electrical device.

⚠ WARNING

Do not burn or throw into fire.

6. Warranty and Contact

If you need after-sales service, please contact your local dealer or retailer.

Western EU Importer: Dahua Europe B.V.

Address: Louis Braillelaan 80, 2719 EK Zoetermeer The Netherlands

Email address for service purposes: support.benelux@dahuatech.com

CEE & Nordic Importer: Dahua Technology Poland Sp. z o.o.

Address: ul. Salsy 2, 02-823 Warszawa

Email address for service purposes: partner@wisualarm.com

UK Importer: Dahua Technology UK Ltd.

Address: 3rd Floor, Quantum House, 60 Norden Road, Maidenhead, SL6 4AY

Email address for service purposes: support.uk@dahuatech.com

Germany Importer: Dahua Technology GmbH

Address: Niederkasseler Lohweg 185, 40547 Düsseldorf

Email address for service purpose: support.de@dahuatech.com

7. Documents

The full text of the EU declarations of conformity and EU declarations of performance is available at the following internet address: <https://www.wisualarm.com/en/ServiceSupport/DownloadCenter>



For more information, please scan the QR code below or visit <https://www.wisualarm.com/en/Products/ALL>.

