

LoRaWan RHT Sensor

Description

AEDGHWRHT52 is low cost with high precision LoRaWan temperature and humidity sensor. The wireless communication adopts the international standard of LoRaWAN protocol. The device runs in Class A low power consumption mode.

AEDGHWRHT52 supports regular reporting of temperature, humidity. This product has clean and neat design, simple and convenient installation, low power consumption, easy maintenance, small size and light weight. It can be used in public places such as offices, logistics warehouses, computer server rooms and many other places require convenient temperature and humidity data collection and monitoring.



Applications

- Smart Hospital
- Smart Elderly Center
- Smart Toilet
- Smart Office
- Smart Building
- Industrial 4.0

Product Features

- Support LoRaWan 1.0.2
- One-click button alarm
- Replaceable battery
- Support low power alert
- Custom-made feature
- Customer-made housing

Device Specifications

| | |
|---|---|
| Dimension | 58 x 58 x 20 mm |
| LoRaWan | LoRaWAN v1.0.3 Class A |
| Frequency Band | CN470/EU433/KR920/US915/EU868/AS923/AU915/IN865 |
| Temperature Sensor | Range: -20 ~ +50 °C, Accuracy: ± 0.3°C, Resolution: 0.01°C |
| Humidity Sensor | Range: 0 ~ 99.9% RH, Accuracy: ± 3%RH (20 ~ 80%RH), Resolution: 0.1% RH, Response Time: < 8s |
| Expandable with optional external temperature probe | Resolution: 0.0625 °C, MAX ±0.5°C accuracy from -10 to 85°C, Max ±2°C accuracy from -55 to +125°C, Operating Range: -55 °C ~ 125 °C, 2 meater cable |
| Battery | 2 x AAA LR03 batteries |
| Battery Life | Up to 5 years |
| Low Battery Alert | Support |



Installation

AEDGHWRHT52 is simple but an essential element in smart building, smart office applications to accurately measure how the users actually feels. This true feelings of the users can then feed into the system and automatically control the HVAC system in order to provide the true comfort to users.

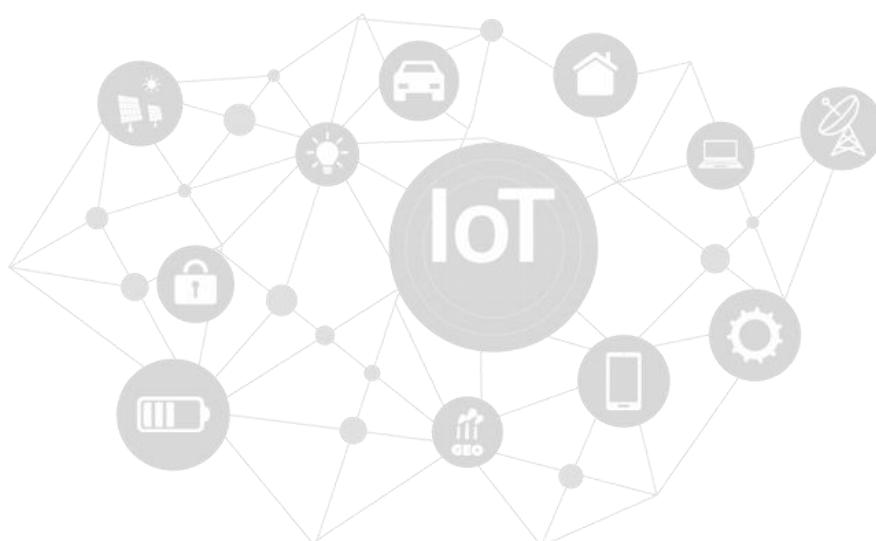
Mounting guidelines:

- Mount sensors in an accessible location to allow easy inspection and maintenance
- Recommend to install at chest height
- Away from direct sunlight
- Away from heat sources such as vents, stoves, or hot water pipes
- Avoid walls in front of a chimney
- Mount indoor
- Mount sensor in good circulation of air
- Avoid direct flux by HVAC system outlets
- Do not place on windows
- Do not paint over sensors

AELVHWTR0102 can be mounted on desired location by screw or direct tape using adhesive tape.

Ordering Information

| Part Number | Frequency |
|-------------|-----------|
| AEDGHWRHT52 | AAS923 |



E-mail: sales@chinoint.com | Web: www.chinoint.com

Specifications in this document are subject to change without notice.
©CHINOTECH INTERNATIONAL LIMITED 2021

Warning

Assumes no liability for any damage resulting from the use of this product. CHINOTECH INTERNATIONAL LIMITED reserves the right to change this data sheet at any time without notice. The information furnished by ChinoINT is believed to be accurate and reliable. However, no responsibility is assumed by ChinoINT for its use, not for any infringements of patents or other rights of third parties resulting from its use.

Product Warranty and Customer Support

ChinoINT warrants all products free from defects in material and workmanship for a period of one year from the date of shipping. During the warranty period, we will, at our position, either repair or replace any product that proves to be defective. To report any defect, please inquiry sales@chinoint.com

Unauthorized opening and improper repairs on the device may result in substantial damage to equipment or endanger the user. The product described in this documentation may be operated only by personnel qualified. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products. Always disconnect the power plug before you open the device.

Please have the model, serial number and a detailed problem description available when you call. If the problem concerns a particular reading, please have all meter readings available.

This warranty does not apply to defects resulting from unauthorized modification, misuse. If you install or exchange system expansion and damage your device, the warranty becomes void.

Product Warranty and Customer Support

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

