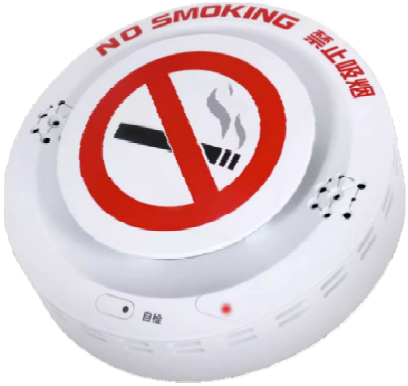
LoRaWan Cigarette Smoke Sensor

Description

The LoRaWan Cigarette Smoke Sensor is designed to sense the presence of cigarette smoke. It comes with LoRaWan connectivity makes it easy to deploy.



The sensitivty can be tuned to adapt to different environment and requirements.

This is an essential device to add to make your solution really smart and complete. ChinoINT provides complete LoRaWan and AIOT solutions.

Applications

- Smart Facility Management
- Smart Toilet
- Smart Office
- Smart Building
- Smart Safety

Product Features

- Support LoRaWan 1.0.2
- Multiple sensitivity settings
- HKCA1078 Certified
- Designed for ciragette detection

Device Specifications

Dimension	Sensor body: 83 x 58 x 33mm (Housing can be custom-made to fit application) Sensor head: 50 x Φ115
Effective area	40m2
Sensitivity	10 levels
LoRaWan	1.0.2
Frequency Band	AS923 (Contact us for other frequencies)
Max Tx	+20 dBm
Rx sensitivity	-148 dBm
Antenna	Built-in
Battery	12V DC
Certification	FCC, HKCA1078

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Installation

Please read the precautions before installation:

- Turn on the device before installation
- Installation can be done only by the professional construction personnel or authorized engineering representative
- Please use the professionally qualified installation tools to guarantee the safety of the construction personnel
- Installation position must be far away from the fire source, strong electric field, magnetic field etc., otherwise damage will be resulted
- ChinoINT reserves the interpretation of installation guide

The product is designed to be light weight and be used with adhesive tape. It can be taped on wall.

In order to use adhesive tape, please follow the steps below:

- Use a dry towel to clean the surface for installation
- Stick a 3M tape adhesive onto the back of the device bracket (refer to right)
- Peel off the protective layer and stick on the wall
- Press several times to make sure it gets fixed

The sensor can also be mounted on Ceiling.

In order to install the sensor onto a ceiling, please follow the steps below:

- Select an installation location with flat surface
- Place the sensor on the desired location and mark it carefully (refer to bottom left)
- If needed, Use a professionally qualified electric drill to make punch holes
- Use appropriate screw to fix the sensor (refer to bottom right)

Ordering Information

Part Number	Frequency
AEPLHWCSGS03	AS923

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.