

E-Cigarette Alarm User Manual



Cautions



ELECTRICAL HAZARD: Disconnect power from equipment prior to making any internal adjustments. Service should only be performed by qualified personnel.

Features

210 AC E-cigarette alarms are available Wi-Fi connection to an internet access point as part of a smart-home solution.

In the APP, you can select the alarm sensitivity and alarm volume, and turn on or off various warning pushes.

Condition	LED Indication	Sounder Indication
Normal	Green LED, flashing every 3 s (DC models) Green LED continuous (AC models)	Off
Alarm	Red LED	3 beeps (0.5 s on, 0.5 s off), 1 s silence (repeating)
Low battery / Fault	1 red LED flashes every 3 s	Off
Wi-Fi connection status	Not connected: blue LED off EZ mode: 2 blue LED flashes every 1 s AP mode: 1 blue LED flashes every 3 s Connected: blue LED continuous	Off

TEST Button

When in the Normal condition, pressing and holding the Test button for 1 s will activate the e-cigarette alarm to check its operation. The alarm will sound and the red LED will flash rapidly.

HUSH Button

When in the Alarm condition, pressing the Hush button reduces the sensitivity of the e-cigarette alarm for 9 min. The hush feature should only be used after the cause of the alarm is known (such as fumes from cooking). The hush feature allows time for the smoke to dissipate. During the hush time, the red LED light stays on.

After the hush time has expired, the e-cigarette alarm will automatically return to normal sensitivity. If smoke is still present in the unit, the alarm will re-activate. The hush feature can be used repeatedly.

Specifications

Mains power source	AC (90 ~ 264) V / 50/60 Hz
Rechargeable battery	DC 3.7 V
Rechargeable battery standby working hours	2 ~ 5 hours
Agent detected	PM2.5
Alarm sounder output	≥ 85 dB @ 3 m
Hush time	9 min
Network standard	IEEE 802.11b/g/n
Security	WPA/WPA2
Encryption	WEP/TKIP/AES
Radio range (typ.)	70 m in free air
Operating temperature	(-10 ~ +55) °C
Operating humidity	(0 ~ 95) % RH, non-condensing
Storage temperature	(-25 ~ +80) °C
Storage humidity	(0 ~ 98) % RH, non-condensing

APP Function

Sensitivity	There are three sensitivity options available: high, medium, and low
Alarm volume	There are four sound level options available: high, medium, low, and mute. When mute is selected, the alarm will not make any sound under any circumstances
Alarm test	Perform an alarm test
Battery level state	Display battery level
Tamper alarm	Tamper-proof status indication, triggered when the probe is detached from its base
Main power status	Indication of main power status
Alarm hush	When in the alarm state, a mute button will be provided. If mute is activated at this time, the alarm will be silenced for 9 minutes
Temperature and humidity	The temperature and humidity are displayed in the internal state of the product.

Configuration Preparation

Download the APP

- Download the smart phone application by scanning the QR Code or searching for *Smart Life – Smart Living* in the Apple App Store for iPhones, or Google Play for Android phones. (see Fig.1)
- Launch the app and log in. New users will need to register a new account.



Fig. 1 – Download the smart phone application

Connect to the APP

- Product power-on. (For the wiring method, refer to the "Installation Wiring" description)
- Press the "HUSH" button 5 times quickly, after waiting for two seconds, the blue light starts flashing. (It is currently in EZ mode, if you want to enter AP mode, you can click the "TEST" button once to switch it).
- Click the "+" in the upper right corner of the APP to select "Scan", and the mobile phone camera will turn to the "Add Device" QR code on the back of the product. (see Fig.2)

(Alternate way to add it: Click "Add Device" in the "+" in the upper right corner of the APP, then click "Sensors" on the left side, and select "Sensor (Wi-Fi)")



Fig. 2 – Add Device by scanning the QR

- Follow the APP prompts to complete the connection

There are two ways to connect the Wi-Fi E-cigarette alarm to the *Smart Life – Smart Living* application: **EZ Mode** (where the Wi-Fi indicator flashes quickly) or **AP Mode** (where the LED indicator flashes slowly).

Installation location

Equipment

Before commencing installation, ensure all equipment and tools to mount and test the device are available, such as drills, mounting screws (supplied), cables and ladders.

Installation Location

Assess where needs to detect the cigarette smoke in the building. The places may include restrooms, staircase corridors of exit, storage rooms, meeting rooms, and other places with fewer people. Install the cigarette alarm near the smoking locations, such as the ceiling above the toilet water tank. The installation location should be at least 10 cm away from the wall or corner. If the room has a steep or sloping ceiling, install the alarm at a horizontal distance of 0.9 m from the highest point of the roof, as shown in Fig.3.

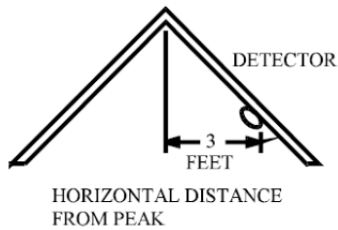


Fig. 3 – The installation position of the cigarette alarm on the pitched roof

Inappropriate Installation Location

If the installation position is inappropriate, the alarm is prone to false alarms. To avoid false alarms, please do not install alarms in the following locations.

Do not install in places where burning particles may appear or nearby, such as the kitchen with fewer windows or poor ventilation, the garage which is prone to vehicle exhaust, fireplaces, or around burning heaters and other heaters. Burning particles is a by-product of the burning objects, and it may cause the device to alarm. In areas where there is without air flow, smoke cannot enter the smoke collection box through the air flow caused by the ventilation system to trigger the alarm. Otherwise, please avoid the area where the air flow will bring normal burning particles into the device, such as the kitchen. In a moist or hot and humid environment, or in an area within 3m from the bathroom, moisture in the air may enter the smoke collection box and condense into water and dew during the cooling process that may cause false alarms. In the extremely cold or extremely hot environments including unheated buildings or outdoors, if the temperature exceeds the limit of device operation temperature, the device will not operate normally. In a dusty or dirty environment, dust may accumulate in the smoke collection box and cause the device to be overly sensitive. In addition, dust can block the smoke inlet of the device and weaken the sense to smoke. The high-speed air flow environment near vents, air conditioners, heaters, fans, etc. may keep the smoke away from the device. The area is without air flow, such as the top part of the building spire, or the top of ceilings and walls. The air is not circulated in these areas, so the smoke cannot enter the device. To avoid this situation, please refer to the Fig. 1. for the recommended installation location. In areas with a large number of insects, insects entering the device may cause false alarms. Please kill the insects before installation. The location is near fluorescent lights. The electronic noise caused by fluorescent lights may cause false alarms. Do not install the cigarette alarms within 1.5 meters of fluorescent lights.

Installation wiring

Installation dimensions

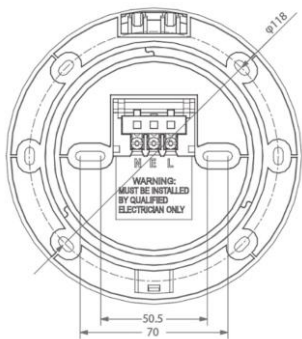


Fig. 4 - Installation dimensions

Wiring

WARNING: To avoid the electrical shock hazard, turn off power to the area, where you plan to install the device, at the fuse box or circuit breaker box.



WARNING: Connect the e-cigarette alarm to a continuous source of mains power. Ensure the mains power can't be inadvertently switched off.

1. Remove the yellow cap from the base (this cap is used to prevent accidental energizing during transport)
2. Run the mains wiring. Use wiring with conductors of (1 ~ 2.5) mm² cross-sectional area. Wiring should have an insulation resistance of at least AC 300 V.
3. Strip the conductor insulation to expose 5 mm of the conductor
4. Terminate the wiring as shown in Fig. 5 to the L and N conductors.

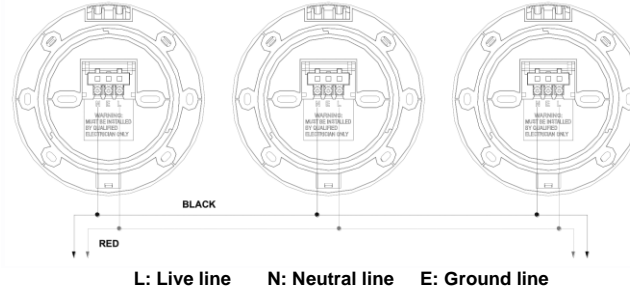


Fig. 5 Mains wiring terminals and mounting slots

Care and Maintenance

Weekly Tests

1. Press and hold the Test button for 1 s on each e-cigarette alarm.
2. Check the sounder operates with a loud pulsating sound, and the red LED is on.



WARNING: The e-cigarette alarm has a loud alarm signal. Use hearing protection when testing.

Annual Maintenance

Clean the E-cigarette alarm with a dry or damp soft cloth and ensure the sensor opening is free from dust and lint. Do not use solvents.

DO NOT PAINT this product.

Firmware Update for Wi-Fi Devices

New features may be added to the firmware embedded in your Wi-Fi enabled E-cigarette alarms. To check for updates to firmware:

3. Tap *Info*.
4. Tap *Check for Firmware Update*.

Service

For service or repair, return the unit intact to the supplier or to Numens (see the address at the end of this manual), stating the reason for the return and details of any fault.

References

Reference	Description
31-0148	210 E-cigarette alarm datasheet

Models

Model	Features
210-001	90~264VAC, Wi-Fi
210-002	90~264VAC, Wi-Fi, Relay Output
210-003	90~264VAC, Wi-Fi, Interconnect
210-004	90~264VAC, Wi-Fi, Relay Output, Interconnect

Disposal

This product is designed to work reliably for 5 years after the installation date.



E-cigarette alarms should not be disposed of as land-fill. Please dispose in an environmentally friendly manner.



WARNING: This is an important document. Retain it for the life of the device.

Limited Warranty

In order to protect your rights, please retain the original purchase receipt for the proof of purchase. No warranty can be offered without the original purchase receipt.

Ambest Electronics (Ningbo) Co Ltd ("Numens"), warrants the enclosed product excluding any battery(ies), to be free from defects in materials and workmanship under normal use and service for a period of 1 year from date of purchase or 18 months from the date of manufacture, whichever is the lesser period. This LIMITED WARRANTY is the sole and exclusive warranty, express or implied for Numens products. No employee, agent, dealer or other person is authorized to alter, modify, expand or reduce the terms of this warranty or to make any other warranty on behalf of Numens.

Numens' obligation of this Warranty shall be limited to the repair or replacement of any part of the product which is found to be defective in materials or workmanship under normal use and service during the Warranty Period. Products in need of repair should be returned, shipping prepaid, to Customer Service Department, Numens, 55 Yunhui Road, Yunlong Town, Yinzhou District, Ningbo, Zhejiang 315137 China.

Numens shall not be obligated to repair or replace units which are found to be in need of repair because of damage, unreasonable use, modifications, or alterations occurring after the date of purchase. The duration of any implied Warranty, including that of merchantability or fitness for any particular purpose, shall be limited to the period of 1 year commencing from the date of purchase. In no case shall Numens be liable for any consequential or incidental damages for breach of this or any other Warranty expressed or implied whatsoever, even if the loss or damage is caused by Numens' negligence or fault. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction. Numens makes no warranty with respect to the batteries, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose.

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