Ανιχνευτής μονοξειδίου του άνθρακα X-Sense XC0C-iR Wi-Fi

X-Sense · EAN 0810194780691

Machine translation from Polski. In case of doubt the manufacturer's original document prevails.

X-SENSE
Wi-Fi Carbon Monoxide Alarm (Type B)
Model: XC0C-iR

Scan the QR code to view the product model. EN 50291
Email: support@x-sense.com
This user manual contains important information regarding the installation and use of the carbon monoxide alarm. Please take a few minutes to read this manual carefully, which should be kept for future reference. If you are installing the carbon monoxide alarm for other users, you must leave this manual – or a copy of it – with the end user.
Introduction
This device is a battery-operated Wi-Fi carbon monoxide alarm equipped with an advanced electrochemical sensor for home use. Please remember that this device does not detect smoke, heat, flames, or other hazardous gases apart from carbon monoxide, even though carbon monoxide may be generated during a fire. For this reason, smoke alarms should be installed to provide early warning of fire and protect you and your family from fire and its hazards.
WARNING!
• WARNING: READ THIS MANUAL CAREFULLY BEFORE USE OR PERFORMING MAINTENANCE.
• INSTALLATION OF THIS DEVICE DOES NOT SUBSTITUTE FOR PROPER INSTALLATION, USE, AND MAINTENANCE OF FUEL-BURNING APPLIANCES, INCLUDING ADEQUATE VENTILATION AND EXHAUST SYSTEMS.
• THIS DEVICE SHOULD BE INSTALLED BY QUALIFIED PERSONNEL.
• IT HAS NOT BEEN TESTED FOR USE IN CAMPERS OR RVs.
• THE PRODUCT IS INTENDED FOR USE IN TYPICAL RESIDENTIAL ROOMS. IT IS NOT INTENDED FOR MEASURING COMPLIANCE WITH COMMERCIAL OR INDUSTRIAL SAFETY AND HEALTH REGULATIONS (OSHA).
CAUTION!

This alarm will exclusively indicate the presence of carbon monoxide gas in the sensor area. Carbon monoxide gas may also be present in other rooms.

Contents of the package

1 × CO Alarm

1 × Mounting hole drilling template

1 × CR123A Battery (pre-installed)

1 × User Manual

2 × Expansion plugs

2 × Screws

1 × Warranty Card

Product Features

1. Wi-Fi signal strength
2. LCD display
3. Peak level button
4. Test/silence button
5. LED indicator (red/yellow/green/blue)
6. Audible alarm
7. Maximum level indication
8. Battery status
9. CO level

Test/Silence Button

The test/silence button is used to test the device's electronics and to silence the alarm during an alarm signal. Briefly press the test button, and you will hear a short audible alarm indicating that the alarm has entered test mode. A test notification will be sent to your smartphone via the app. Please refer to the "Testing the Alarm" section for further information. After the test is completed, the alarm returns to standby mode.

NOTE: After starting the test, the alarm will emit an audible signal, and the LED indicator will flash red. This does not indicate the presence of carbon monoxide. If you press the test button during an alarm, the device will enter silence mode.

CO Alarm Levels

This X-Sense carbon monoxide alarm is programmed to activate the alarm at the following CO levels over specified time periods:

30 ppm for 120 minutes,

50 ppm for 60–90 minutes,

100 ppm for 10–40 minutes,

and 300 ppm for 0–3 minutes. When carbon monoxide is detected and the alarm signal is activated, the CO level will be displayed on the LCD, and the backlight will illuminate blue. The LED indicator will flash red, and the alarm will emit 4 short audible signals, repeating the cycle every 5.8 seconds. An alarm notification will be sent to your smartphone via the app.

CO Levels and Symptoms

The following symptoms are associated with carbon monoxide poisoning and should be discussed with ALL household members:

Exposure Levels Symptoms

Mild exposure Mild headache, nausea, vomiting, fatigue (often described as flu-like symptoms).

Moderate exposure Severe throbbing headache, drowsiness, confusion, rapid heartbeat.

Severe exposure Loss of consciousness, seizures, respiratory and cardiac failure, death.

WARNING:

THIS DEVICE IS DESIGNED TO PROTECT PEOPLE FROM

• ACUTE EFFECTS OF CARBON MONOXIDE EXPOSURE. IT DOES NOT PROVIDE COMPLETE PROTECTION TO PERSONS WITH SPECIFIC MEDICAL CONDITIONS. IN CASE OF SYMPTOMS, CONSULT A DOCTOR.

• MANY CASES OF CARBON MONOXIDE POISONING INDICATE THAT EVEN VICTIMS ARE AWARE OF THEIR CONDITION, CONFUSION IS SO GREAT THAT THEY ARE UNABLE TO ESCAPE OR CALL FOR HELP. SMALL CHILDREN AND PETS ARE USUALLY THE FIRST TO BE AFFECTED.

Low Battery Warning

When the battery is low, the device will emit a single audible signal, and the LED indicator will flash yellow every 60 seconds, indicating that the battery needs to be replaced.

A low battery notification will be sent to your smartphone via the app. If you press the test button when the battery is low, the sound alarm will be temporarily silenced for 10 hours, but the LED indicator will blink every 60 seconds; if you press the test button again, the device will enter test mode and exit silent mode during low battery. End of life indicator and silence function Upon reaching the maximum lifespan (10 years), the alarm will generate 3 sound signals, and the LED indicator will blink 3 times every 60 seconds. The end of life signal can be temporarily silenced for 22 hours by pressing the test button. During the silence period, the LED indicator blinks 3 times every 60 seconds. The silence function for the end of life signal can be used continuously for 30 days. After 30 days, the end of life signal cannot be silenced. During the silence period of the end of life signal, the alarm continues to monitor CO levels and provides protection as usual. To facilitate the

identification of the alarm replacement date, write the date of the first activation on the dedicated label next to the alarm. Device setup Download the X-Sense Home Security app To download the X-Sense Home Security app, scan the QR code below or search for "X-Sense Home Security" in the Apple App Store or Google Play Store. Register by providing a valid email address. If you already have an account, make sure the app is updated to the latest version. Note: Ensure that your smartphone supports iOS 11 or newer or Android 8.0 or newer. Before connecting the device, make sure that: 1. you know the Wi-Fi network name and password. 2. you are connected to the device using a 2.4 GHz Wi-Fi network (incompatible with 5 GHz networks). 3. Bluetooth on your phone is turned on. Note: When setting up the device via Wi-Fi, ensure that the phone and device are as close to the router as possible, which may speed up the setup process. App features Notifications: You will receive push notifications in the app regarding alarms, threat removal, low battery level, device failure, end of life, etc. Device test: Simply press the test button in the app to check if the device is functioning correctly. Device sharing: You can share the device with family members and friends. They will receive push notifications in the app about alarms and will be able to silence the device and view the event history. Installation method To activate the device Before use, remove the insulation film from the battery compartment to activate the device. Once the device is powered on, the sound alarm will emit a single signal, the LCD backlight will turn on, and the LED indicator will blink for 8 cycles (red/green/blue). The device will then enter standby mode.

Insulation film

Follow the instructions below to open the battery compartment cover:

Hold the alarm with both hands, placing your thumbs on both sides of the battery compartment cover. Then, with a slight force, push the cover upwards to remove it.

WARNING

- PROLONGED EXPOSURE TO HIGH OR LOW TEMPERATURES AND HIGH HUMIDITY MAY SHORTEN BATTERY LIFE.
- KEEP NEW AND USED BATTERIES AWAY FROM CHILDREN.
- IN CASE OF BATTERY LEAKAGE, DO NOT ALLOW THE LIQUID TO COME INTO CONTACT WITH SKIN OR EYES. In case of contact, rinse the area thoroughly with water and seek medical advice immediately.
- NEVER RECHARGE BATTERIES.
- Do not mix alkaline, standard (zinc-carbon) batteries, or rechargeable batteries (Ni-Cd; Ni-MH).

- Do not mix different types of batteries or new with used ones. Do not mix batteries from different manufacturers, of different capacities, or sizes.
- Batteries must be inserted with correct polarity. Replacing batteries with an incorrect type may disable safety features. There is a risk of fire or explosion if the battery is replaced with an inappropriate type.
- WARNING: Use only the batteries specified on the label. Using another battery may negatively affect the operation of the alarm.
- WARNING: After each battery replacement, test the operation of the alarm using the test function. Adding a carbon monoxide alarm

1. Tap " " in the upper right corner of the main application screen, select "Carbon Monoxide Alarms," and then "Wi-Fi CO Alarms (standalone, operating without a base station)." Then select "XC0C-iR."
2. Enter the name of the alarm. Choose the home you created, or create a new one for the alarm, and then select the room where it is installed. If you create a new home, you will need to enter its name and select the country or region of residence. After selecting the room, tap "Next" to add the device.
3. Remove the insulation film to power the alarm.
4. Press and hold the test/silence button on the alarm for 5 seconds, and it will start flashing blue. Before the light goes out, immediately tap "Confirm operation," then tap "Next"; otherwise, you will need to repeat this step for the LED indicator to start flashing blue. Note: if your phone detects two or more devices waiting to connect to the network, you should select the appropriate device you want to add.
5. Connect to the 2.4 GHz Wi-Fi network and make sure you entered the correct password. The alarm will then enter pairing mode. Make sure the test/silence button (LED indicator) continues to flash blue; otherwise, press it to make it flash blue again.
6. Once completed, you will see the Wi-Fi CO alarm on the device list in the app. NOTE: If your router supports dual-band, including 2.4 GHz and 5 GHz bands, create separate SSIDs for the 2.4 GHz and 5 GHz channels. The device is compatible only with 2.4 GHz Wi-Fi networks. To ensure a successful Wi-Fi connection, place the alarm within the range of the router and enter the correct password.

Setting preferences in the mobile app

Push notifications

You can choose to receive push notifications from the app in case of any changes in your system. It is recommended to limit the number of push notifications, as an excess may be unnecessary and burden the phone, which can quickly become annoying. Additionally, the

more push notifications you receive, the more energy the CO alarm will consume, which will shorten battery life.

History of records

To access data or check the status of the device, press the History button at the bottom.

Offline notifications

Offline notifications are used to inform when the alarm loses connection to Wi-Fi. It should be noted that this notification may not be sent immediately, as the alarm reports to the cloud service center at specified time intervals.

CO alarm warning

A dangerous level of CO has been detected, but it has not reached the alarm level. A message "CO Alarm Warning" will appear in the app, and a push notification will be sent to the smartphone. A potentially dangerous level of CO is present.

Restoring factory settings

Quickly press the test button 4 times, and the device will emit a beep. Then press and hold the test button, and the device will emit another beep, and the LED will quickly flash blue once. At this point, the device will exit the network and become a standalone device. Then connect again to the same or a new network.

Installation location

The carbon monoxide alarm should be installed in every room containing a fuel-burning device and in every bedroom. If the number of available carbon monoxide alarms is limited, the following guidelines should be considered when choosing installation locations:

- If there is a device in the bedroom, the CO alarm should be installed there.
- Install the alarm in rooms containing a non-vented appliance or with an open flue.

- Install the alarm in places where you spend the most time.
- In a studio apartment, the CO alarm should be positioned as far away from kitchen appliances as possible, but close to the sleeping area.
- If the device is located in a rarely used room (e.g., a basement), the CO alarm should be installed outside that room to be more easily heard.

1. Installation of the CO alarm in a room with a fuel-burning appliance (see Figure 1):

- If mounted on the wall, it should be installed at a height greater than the height of doors or windows, but at least 150 mm (5.9 inches) below the ceiling.
- The CO alarm should be placed at a horizontal distance of 1 m (3.3 feet) to 3 m (10 feet) from any potential source of carbon monoxide.
- If there is a partition in the room, the CO alarm should be installed on the same side of the

partition as the potential source of carbon monoxide.

Figure 1: Installation in a room with a fuel-burning appliance
CO ALARM
DEAD AIR ZONE
DO NOT INSTALL HERE

2. Installation of the CO alarm in a bedroom or room without a fuel-burning appliance (see Figure 2):
- Mount the CO alarm relatively close to the user's breathing zone.
- Install the alarm so that the LED indicator is visible when the user is near the device.

Figure 2:
Installation in a bedroom or room without a fuel-burning appliance (mounted at head height)
CO ALARM
HEAD HEIGHT

WARNING: Due to the unique design of the product and the lack of permanent mounting, it is not recommended to install the alarm on the ceiling, as it may easily fall and cause injury to individuals.

Places to avoid
Important notice
Incorrect placement may negatively affect the sensitive electronic components of this alarm. To prevent damage to the device, ensure optimal performance, and avoid unnecessary false alarms, CO alarms should not be installed in the following locations:
1. In garages and places with high dust, dirt, or moisture levels.
2. In areas where smoke or vapor may be present under normal operating conditions.
3. In poorly ventilated kitchens, garages, and basements. Whenever possible, maintain a distance of at least 1.5 m (5 feet) from potential sources of smoke or vapor (e.g., stoves, ovens, water heaters, heaters).
4. In locations where maintaining a distance of 1.5 m (5 feet) from potential sources of smoke or vapor is not possible. In modular, mobile, or smaller homes, it is recommended to place the CO alarm as far away from potential sources of smoke or vapor as possible.
5. Within 1.5 m (5 feet) of any cooking appliance.
6. In areas with very high humidity. The alarm should be at least 3 m (10 feet) away from bathtubs, showers, saunas, humidifiers, evaporators, dishwashers, laundry rooms, utility rooms, or other sources of high humidity.

7. In areas where the temperature is less than 4.4°C (40°F) or more than 37.8°C (100°F). For example, in non-air-conditioned crawl spaces, unfinished attics, poorly insulated or uninsulated ceilings, on porches, and in garages.
8. Where the air is turbulent, e.g., near ceiling fans, warm air vents, air conditioning outlets, cold air vents, or open windows. Excessive airflow may prevent carbon monoxide from reaching the sensors.
9. In a location directly exposed to sunlight.

Wall mounting

1. Choose an appropriate installation location, referring to the section "Where to install."
2. Remove the informational sticker from the packaging and pay attention to the marked hole locations on the sticker. Mark two holes for screws according to the size and arrangement of the mounting holes on the back of the device. Drill holes for screws with a depth of 30 mm (1.18 inches), using a Ø 6.0 mm (1/4 inch) drill bit. Note: the distance between the centers of the holes is 112 mm (4.4 inches).

Mounting anchors

3. Insert the expansion anchor into the hole and tap it in with a hammer until the head of the anchor is flush with the wall surface.
4. Use the two provided screws or bolts 3.5 × 25 mm with a flat head to secure them to the anchors. Maintain a gap of 5 mm (1/5 inch) between the head of the anchor and the screw, which will facilitate the mounting of the device.
5. Mount and secure the device to the wall, aligning the two mounting slots on the back of the device with the screws on the wall.
6. Test the device by pressing the test button to ensure it operates correctly.

Table installation

The detector base has two built-in legs that allow it to be securely placed on a flat surface.

Legs

WARNING: When placing the device on a shelf, please adhere to the installation location guidelines described in the section "Where to install."

Testing the alarm

Make sure to test the CO alarms upon their first activation. In addition to the weekly test, it is also recommended to test the alarm after returning from a longer trip or vacation. Type XC0C-iR

Action Press the test button. Reaction When the LCD backlight is on, the device will emit one

sound signal, and the LED will light up red once, entering the test mode: the LED will flash red 4 times continuously, in sync with the sound signals, repeating 2 cycles. During this time, the LCD will sequentially display “---”, “PASS”, after which the backlight will turn off. The LCD will return to standby mode, indicating normal operating status. If an error occurs during the self-test, the appropriate patterns will appear on the LCD display according to the current status of the device, such as low battery, malfunction, and end of service life, displaying “Lb”, “E03/E04”, and “End” in sequence. NOTE

The test function accurately checks the CO detection circuit in the alarm without the need for a test gas. If the CO alarm does not emit a sound signal during the test, immediately refer to the troubleshooting guide at the end of this manual. CO maximum level memory and reset

The maximum CO level memory function helps identify whether dangerous CO levels have been recorded since the last peak data reset. Press the peak level button once for the device to perform a short test. The LCD backlight will turn on and display the maximum value recorded since the last peak data reset. The “Peak” indicator will appear on the left side of the LCD display. The peak data will be displayed for 5 seconds. If no further action is taken during these 5 seconds, the device will automatically return to standby mode. For example, 300 ppm was the maximum CO level recorded since the last reset of the device. Resetting the peak CO level: During the 5 seconds when the peak CO level is visible on the LCD display, press and hold the peak level button for 3 seconds; the device will emit a sound signal, the LED will flash green, and the peak CO level will be reset, with the LCD display showing “0.”

NOTE:

If the carbon monoxide level is below 30 ppm, it will not be recorded as a peak CO level. To display the peak value, briefly press the peak level button (less than 3 seconds). If the button is pressed longer (3 seconds or more), the peak value display will not be triggered. Alarm mode

When the device detects CO, and the CO level in ppm reaches a certain threshold for a specified time, the device will trigger the alarm, emitting 4 signals every 5.8 seconds, and the LED will flash red. The app will display a notification “CO Alarm Activated” and a push notification will be sent to your smartphone. The CO level is displayed via a message in the app and a push notification. The CO level can also be checked in the app's history section. When the carbon monoxide level drops below the alarm threshold, the alarm sound will stop, and the LED will start flashing green once per second for 5 seconds. The device will then automatically return to standby mode. After the alarm ends, a push notification will be sent

from the app to your smartphone. Mute mode

In the case of a false alarm, it can be temporarily silenced by pressing the test/mute button on the device or in the app. You will receive an immediate notification from the app informing you of the temporary silencing of the device. The LED will flash red 4 times every 5.8 seconds, reminding that the alarm has been silenced. The device will automatically end the mute mode after 9 minutes. During the mute mode, if the carbon monoxide level remains above 50 ppm after 6 minutes, the device will reactivate; if not, the device will automatically exit mute mode after 9 minutes, and the LED indicator will flash green 3 times in a row. If the CO level exceeds 300 ppm, the mute function cannot be activated. LCD display

When CO is detected, various indicators will appear on the LCD display informing about the alarm status, presented below:

Mode LCD Display Indicator Alarm

Notes

LED sound signal

Make sure that the protective film

is removed from the battery

during the first 8 cycles of

operation (Backlight

was removed, and

the connections

are on)

red/green/ the device is powered on. connected to the Wi-Fi.

1 quick

signal

Flashes on

Battery Make sure the battery is

working properly. It is

blue to

connect correctly installed,

the device is turned on. (No lighting)

connection with

Wi-Fi. The device

was previously

connected
to the Wi-Fi network. Flashes on None. Standby mode Normal connection state
green once every
60 seconds. (No
lighting)
Flashes on None. Invalid network connection state. 60 seconds, and
(No
then flashes
lighting)
once. CO level in
4 quick
Detected dangerous
signal
CO level and reached
the alarm state
in the range of 30 to 999 ppm working
alarm. (Lighting
remains on) displays
Please refer to the section
what to do when the
alarm sounds after a specified time. seconds. The LED indicator
flashes red 4
times every 5.8
Alarm mode
seconds. CO level detected None. Detected dangerous
in the range of 30
CO level
(No lighting
but does not reach the
alarm state. However, it
displays
potentially dangerous
shorter
actual values. CO level. Please first locate
the source of CO. Detection period. None. The LED indicator Canceling the alarm: when

flashes green once every the CO level drops
seconds for below the alarm threshold,
5 seconds. the alarm will be
turned off. Then
the device returns to standby mode.
Test mode
Signal
First The LED flashes red, and the
working
flashes working signal emits a
red sound simultaneously. First,
once,
then 2
signals, and
(No lighting
series of 4
then 2
on)
red
series of 4
flashes. quick
signals
working. Peak level check: None. None. The LCD lighting
is on for 5 seconds; if
Clearing to
peak level:
the peak level button
is held for more than 3
seconds within 5 seconds
(No lighting
the device
emits a working signal,
the LED flashes once
green, and all
recorded data is

reset. Maximum CO level
recorded since
the last reset. Mute mode
Flashes
None. CO mute mode: after 9
red
minutes the device
automatically ends
the mute mode. Flashes 4
(No lighting
on) displays
every 5.8
seconds. Actual values. Flashes None. When exiting the
green mute mode in an
3 times in alarm state. Flashes on None. Mute mode at
once every low battery level: after
60 seconds. 10 hours the device
(No lighting)
automatically ends
mute mode. Flashes 3 times every 60 None. Mute mode during
(No lighting)
seconds. the end of the cycle: After 22
hours the device
will exit mute mode. Indicator 1 quick Battery must be replaced
low battery
signal immediately. LED flashes
working
once every
60
seconds. (No lighting)
Failure Flashes 2 If the message
signal "E03/E04" is still
2 times every 60
working displayed, the device
seconds. has failed and must

every 60 be replaced immediately.
seconds. End of usage Flashes 3 quick Replace the device
3 times every 60 signal immediately. End of
seconds. working
(No lighting)
every 60
seconds.

Technical Specifications
Power Supply 1 × 3 V CR123A battery (replaceable)
Battery Life 1 year (tested once a week)
Product Lifespan 10 years
Sensor Type Electrochemical
Safety Standard EN 50291
CO Alarm Response Time 30 ppm for 120 minutes
50 ppm: 60–90 minutes
100 ppm: 10–40 minutes
300 ppm: 0–3 minutes
Operating Temperature 4.4–37.8 °C (40–100 °F)
Relative Humidity during Operation 10–85% RH (without condensation)
Alarm Signal
Storage and Transport Conditions -20–60 °C (-4–140 °F), 5–95% RH (without condensation)
Silencing Time
Operating Frequency 2400–2483.5 MHz
Max. RF Power 100 mW
Troubleshooting
Serial Number Problem Possible Causes Solution
Device does not turn on Device does not turn on Open the battery compartment and remove the insulating film from the battery; if the batteries are discharged, replace them. After completing the test, check what is displayed on the LCD to determine the cause.
1
Instead of displaying "PASS", "Lb", "E03/04" or "end" appears. Incorrect autotest. This may result from low battery level, exceeding the device's lifespan. Ensure that the button is pressed firmly. If the button is not pressed correctly, you will hear incorrect beeping sounds or see no response on the LCD.

2

Button not pressed correctly. You may need to press the test/silence button or the peak level button. Press the peak level button briefly, do not hold it for too long; it only works after a short press. When CO levels are below 30 ppm, pressing the peak level button again will not record historical peak level data. The LCD will no longer display numerical values, instead showing "Lb", and the LED will blink once every 60 seconds along with a single low battery warning beep.

3

When the battery voltage drops below the threshold, the device enters low battery mode. Replace the battery. The device cannot be silenced when CO levels exceed 300 ppm; the alarm cannot be silenced. The LCD display stops showing numerical values, instead displaying "E03" or "E04", and the LED blinks twice every 60 seconds, accompanied by two alarm beeps.

4

Device malfunction: short circuit indicated by code "E04". Replace the device. The LCD display stops showing numerical values, instead displaying "end", and the LED blinks three times every 60 seconds, accompanied by three alarm beeps. CO levels are not sufficiently high or the exposure time is too short to trigger the alarm. Ensure that CO levels are appropriately high and the exposure time is sufficient to trigger the alarm.

5

In the presence of CO, the device does not activate. Check if the appropriate code appears on the LCD display. If so, the device should be replaced. The device displays a reading of "0" on the LCD in the presence of CO levels below 30 ppm. Incorrect user name or Wi-Fi password. Enter the correct user name and Wi-Fi password. Bluetooth permissions are not enabled on the phone.

6

Cannot add the carbon monoxide alarm to the app.

Press and hold the button
Carbon monoxide alarm test/silence alarm for 5
does not enter Wi-Fi pairing mode. seconds; its LED will start
Entering Wi-Fi pairing mode. flashing blue, indicating
Phone permissions Enter permissions for
notifications for the app. app. Communication Reduce obstacles between
between the carbon monoxide alarm and the router,

You cannot receive
carbon monoxide notifications including metal doors and thick
12 walls. The maximum allowable
distance between the alarm and
the router in an open environment
is 170 ft (50 m). The router or phone network may
be malfunctioning. Ensure that the router and phone network
connected to the carbon monoxide alarm are functioning properly. The battery
needs to be replaced. Communication Reduce obstacles between
between the carbon monoxide alarm and the router,
The app indicates that the carbon monoxide alarm is
the carbon monoxide alarm is offline. The maximum allowable
13
distance between the base station and
the router in open terrain
is 170 feet (50 m). The router or phone network may
be malfunctioning. Ensure that the router and phone network
connected to the carbon monoxide alarm are functioning properly. To prevent frequent
notifications of pre-alarm,
The LCD display CO levels are below 100 ppm and
shows the value the app has not achieved
the required time alarm threshold value
14 does not send nor does it display the value
notifications or the duration of the threshold
display the value level in the app when the level
level. of CO is below 100 ppm. However,
if the CO level remains below
100 ppm but achieves the required
duration of the alarm threshold,
the carbon monoxide alarm will
activate and send standard
alarm notifications. The LCD display The device is in To save energy, the app
updated the value state updates the level value only
level, while in pre-alarm, and when it exceeds another range
15

the level in the app has not during the pre-alarm state
been updated. increased to (e.g., increase from 110 ppm to 220
a higher level. ppm). What to do when the alarm sounds
WARNING
Activation of the CO alarm indicates the presence of carbon monoxide (CO), which can
KILL YOU. If the alarm sounds:
1) Press the reset/silence button (test/silence button). 2) Call the emergency number (phone number). 3) Immediately move to fresh air – outside or near
open doors/windows. Check the number of people and ensure that everyone is present. Do not
re-enter the room or move away from open doors/windows
until emergency services arrive, the room has been ventilated, and
the alarm has returned to normal. 4) If after following steps 1–3 the alarm sounds again within 24
hours, repeat steps 1–3 and contact a qualified service technician
(device phone number) to check for CO sources from
fuel-burning devices and their proper operation. If any problems are detected during this inspection,
immediately service the device. Note
each fuel-burning device that has not been inspected by a technician,
and familiarize yourself with the manufacturers' instructions or contact them directly
for more information on CO safety and this equipment. Ensure
that motor vehicles were not and are not running in the adjacent garage or near the residential building. Specific information regarding conditions that may cause transient situations related to the presence of CO, such as:
1.

Excessive leaks or backflow of exhaust gases from fuel-burning devices caused by:
Weather conditions outside, such as wind direction and/or speed, including strong gusts of wind; Cold air in ventilation ducts (cold and humid air occurring during long breaks between cycles). Negative pressure difference resulting from the use of exhaust fans. Simultaneous operation of several fuel-burning devices competing for limited access to indoor air.
Loosening of ventilation duct connections in clothes dryers, furnaces, or water heaters.
Blockages in ventilation ducts or atypical duct designs that exacerbate the above situations.
2. Prolonged use of fuel-burning devices without ventilation (stove, furnace, fireplace, etc.).

3. Temperature inversions that can trap exhaust gases close to the ground.
4. A car running in idle mode in an attached or nearby garage.

Maintenance

To keep the alarm in good working order, the following recommendations must be followed.
1. Test the alarm once a week by pressing the test/silence button.
2. Vacuum the alarm cover every three months to remove accumulated dust.
3. Never use detergents or solvents to clean the alarm. Chemicals may permanently damage or temporarily contaminate the sensor.
4. Avoid spraying air fresheners, hair spray, paint, or other aerosols near the alarm.
5. Do not paint the device. Paint may clog the sensor chamber openings and prevent the device from functioning properly.

WARNING: DO NOT USE THE DEVICE, AS THERE IS A RISK OF ELECTRIC SHOCK OR MALFUNCTION.

Battery Replacement

Remove the old battery and replace it with a CR123A battery when the LCD display shows the message "Lb," and the LED indicator flashes every 60 seconds, accompanied by a beeping sound from the alarm. After replacing the battery in the device and ensuring it is properly connected, the device will operate normally. For guidance on battery replacement, refer to the LCD display.

Note: Do not use rechargeable batteries, as they may negatively affect the operation of the device.

CO Alarm Limitations

1. CO alarms may not wake all individuals. If children or other individuals do not easily wake to the sound of the CO alarm, or if there are infants or family members with limited mobility in the home, ensure that someone can assist them in an emergency.
2. This CO alarm will not detect carbon monoxide that does not reach the sensor. This CO alarm will only detect CO that reaches the sensor. Carbon monoxide may be present in other rooms. Doors or other obstacles may affect the rate at which CO reaches the CO alarm. For this reason, if bedroom doors are typically closed at night, it is recommended to install a CO alarm in every bedroom and in the hallway between them.
3. CO alarms may not detect carbon monoxide on another level of the home. For example, a CO alarm on the second floor, near the bedrooms, may not detect carbon monoxide in the basement. For this reason, one CO alarm may not provide adequate warning. It is recommended to ensure complete coverage by placing CO alarms on every level of the home.

4. CO alarms may not be heard. The sound level of the alarm's beeping signal is over 85 dB at a distance of 3 m (10 feet). However, if the CO alarm is installed outside the bedroom, it may not wake a person sleeping deeply or someone who has recently taken drugs or consumed alcohol. This is especially true if the doors are closed or only partially open. Even awake individuals may not hear the alarm signal if the sound is muffled by distance or closed doors. Noise from street traffic, stereo equipment, radios, televisions, air conditioners, or other devices may prevent even alert individuals from hearing the alarm signal. This CO alarm is not intended for individuals with hearing loss.
5. CO alarms do not replace smoke alarms. Although fire is a source of carbon monoxide, this CO alarm does not detect smoke or fire. This CO alarm detects carbon monoxide that may escape unnoticed from faulty furnaces, appliances, or other possible sources of incomplete combustion. Installing a smoke alarm is essential for early warning of fire.
6. CO alarms do not replace life insurance. Although CO alarms warn of rising carbon monoxide levels, we do not guarantee or suggest in any way that they will protect life from CO poisoning. Homeowners and renters must still insure their lives.
7. CO alarms have a limited lifespan.

Despite the fact that the CO alarm and all its components have undergone rigorous testing and are designed to be as reliable as possible, any of these components can fail at any moment. Therefore, it is recommended to test the CO alarm weekly. 8. CO alarms are not completely reliable. Like all other electronic devices, CO alarms have their limitations. They can only detect CO that reaches their sensors. They may not provide early warning of increasing CO levels if the CO originates from a distant part of the house or is at a certain distance from the CO alarm. WARNING: EXPOSURE TO RF ENERGY AND PRODUCT SAFETY GUIDE Before using this device, please read this guide, which contains important instructions regarding safe use, control information, and operational guidelines ensuring compliance with RF energy exposure limits applicable in relevant national and international standards. Operating instructions should accompany the device when passing it on to new users. EU Declaration of Conformity X-Sense Electronics Co., Ltd. declares that the type of radio equipment meets the essential requirements and other relevant provisions of Regulation CPR No. 305/2011, Directive RED 2014/53/EU, Directive RoHS 2011/65/EU, and Directive WEEE 2012/19/EU; The full text of the EU Declaration of Conformity is available at the following website: www.x-sense.com Environmental Protection The symbol of the crossed-out wheeled bin on the product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be returned to designated collection

points after their use. These products must not be disposed of as unsorted municipal waste. Dispose of them in accordance with the regulations and rules applicable in your region. Manufacturer and Service Information X-Sense Electronics Co., Ltd. Address: Room 402, Building 4, No. 9, Jinshagang 1st Road, Shixia Village, Dalang Town, Dongguan, 523750 Guangdong, China Email: support@x-sense.com