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X-Sense Electronics Co., Ltd.

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# X-SENSE

## Wi-Fi Combination Smoke and Carbon Monoxide Alarm

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User Manual  
Model: SC06-WX

## English

This user manual contains important information about your combination smoke and carbon monoxide alarm's operation. To ensure proper use and trouble-free operation, please read this manual carefully and store it in a safe place for future reference.

### Introduction

This device is a battery-powered Wi-Fi combination smoke and carbon monoxide alarm. After the device is connected to the X-Sense app, you can remotely use your smartphone to control the device, receive app push notifications, and make daily use more convenient.

All X-Sense combination smoke and carbon monoxide alarms conform with regulatory requirements and are designed to detect both smoke and carbon monoxide.

This unit adopts photoelectric technology to detect smoke which is generally more sensitive than ionization technology. It is effective at detecting large particles, which tend to be produced in greater amounts by smoldering fires. These types of fires may smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

Carbon monoxide (CO) is odorless, tasteless and invisible—it's a silent killer. Using electrochemical sensing technology, this unit can detect increased levels of carbon monoxide early, protecting your family from the dangers of carbon monoxide.

**NOTE: For maximum protection, use smoke and CO alarms on each level and in every bedroom of your home.**

### NEVER IGNORE THE SOUND OF THE ALARM!

Determining what type of alarm has sounded is easy with your X-Sense combination smoke and carbon monoxide alarm. The buzzer will inform you of the type of situation occurring.

## WARNING!

- CAUTION: READ THE INSTRUCTIONS CAREFULLY BEFORE OPERATING OR SERVICING.
- THE INSTALLATION OF THE APPARATUS SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE AND MAINTENANCE OF FUEL-BURNING APPLIANCES INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.
- THIS APPARATUS SHOULD BE INSTALLED BY QUALIFIED PERSONNEL.
- IT IS NOT TESTED FOR USE IN A CARAVAN OR BOAT.

- THIS PRODUCT IS INTENDED FOR USE IN ORDINARY INDOOR LOCATIONS OF FAMILY LIVING UNITS. IT IS NOT DESIGNED TO MEASURE COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) COMMERCIAL OR INDUSTRIAL STANDARDS.

### CAUTION!

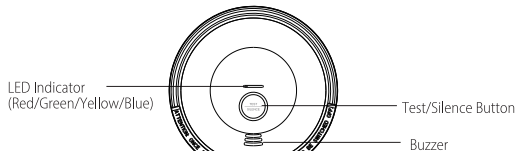
THIS ALARM WILL ONLY INDICATE THE PRESENCE OF CARBON MONOXIDE GAS AT THE SENSOR. CARBON MONOXIDE GAS MAY BE PRESENT IN OTHER AREAS.

### Product Overview

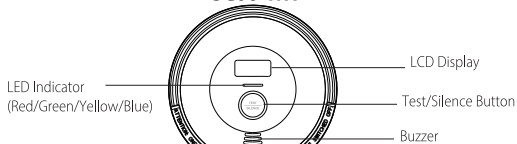


### CAUTION!

THIS SMOKE AND CO ALARM IS DESIGNED FOR INDOOR USE ONLY. DO NOT EXPOSE TO RAIN OR MOISTURE. DO NOT KNOCK OR DROP THE ALARM. DO NOT OPEN OR TAMPER WITH THE ALARM AS THIS COULD CAUSE MALFUNCTION.



SC06-WX



SC07-WX



### Package Contents

- |  |                                     |
|--|-------------------------------------|
| 1 × Alarm Unit (Pre-installed Battery) | 3 × Anchor Plugs                    |
| 1 × Mounting Bracket                   | 1 × User Manual                     |
| 3 × Screws                             | 2 × Carbon Monoxide Safety Stickers |

### Safety Information

DANGERS, WARNINGS, AND CAUTIONS ALERT YOU TO IMPORTANT INSTALLATION AND OPERATING INSTRUCTIONS, OR POTENTIAL HAZARDS. PLEASE PAY ATTENTION TO THE SITUATIONS.

### ⚠ IMPORTANT

1. THIS DEVICE IS NOT DESIGNED FOR HEARING-IMPAIRED PEOPLE. USE OF ALCOHOL OR DRUGS MAY IMPAIR ONE'S ABILITY TO HEAR THE ALARM.
2. FIRES IN CHIMNEYS, WALLS, ROOFS, OR BEHIND CLOSED DOORS MAY NOT BE DETECTED.
3. THIS DEVICE IS DESIGNED TO DETECT CARBON MONOXIDE GAS FROM ANY COMBUSTION SOURCE. IT IS NOT DESIGNED TO DETECT ANY OTHER GASES UNLESS THE PRODUCT HAS BEEN INVESTIGATED AND DETERMINED TO MEET APPLICABLE REQUIREMENTS.

### ⚠ WARNING

1. NEVER IGNORE AN ALARM. FAILURE TO RESPOND CAN RESULT IN SERIOUS INJURY OR EVEN DEATH.
2. THE SILENCE FEATURE IS ONLY FOR YOUR CONVENIENCE AND WILL NOT CORRECT A PROBLEM. ALWAYS CHECK YOUR HOME FOR ANY POTENTIAL HAZARDS EVERY TIME AN ALARM SOUNDS.
3. TEST THIS ALARM ONCE A WEEK. IF THE ALARM FAILS TO TEST CORRECTLY, REPLACE IT IMMEDIATELY! IF THE ALARM IS NOT WORKING PROPERLY, IT WILL NOT ALERT YOU TO A PROBLEM.

Test/Silence Button

The Test/Silence button is used to test the unit's electronics and silence it during an alarm. To conduct the weekly test, shortly push the test button once, the device will beep once paired with LED flashing red, indicating the device is in test mode. The app will send a test push notification to your smartphone. After the test is done, the device will return to standby mode.

SC07-WX: To save power, the alarm automatically turns off the LCD display following the test.

**NOTE: AFTER A TEST HAS BEGUN, THE ALARM WILL SOUND AND THE LED INDICATOR WILL FLASH RED. THIS DOES NOT INDICATE THAT SMOKE/CO IS PRESENT.**

Buzzer

The alarm will sound when there is smoke or CO present, when you test the alarm, and when there is a fault.

LED Indicator

The LED indicator will flash in conjunction with the buzzer. Therefore, it will flash during the following states: when powering on, in standby mode, during smoke or CO alarm states, when exiting an alarm state, during test mode, when there is low battery, in silence mode, when there is a fault and when the unit is at the end of its life.

CO Alarm Levels

This X-Sense combination smoke and carbon monoxide alarm is programmed to sound an alarm at the following CO concentrations within the time periods listed:

**70 ppm for 60–240 minutes,  
150 ppm for 10–50 minutes,  
and 400 ppm for 4–15 minutes.**

When CO is detected and the alarm sounds, the CO concentration will be displayed on the LCD and a blue backlight will be lit. The LED indicator will flash red and the alarm will issue 4 short beeps, repeating the cycle every 5.8 seconds. An alarm push notification will be sent to your smartphone by the app.

CO Concentration and Symptoms

The following symptoms are related to CARBON MONOXIDE POISONING and are to be discussed with ALL members of the household:

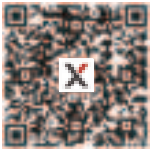
Levels of Exposure	Symptoms
Mild Exposure	Slight headache, nausea, vomiting, fatigue (often described as “flu-like” symptoms).
Medium Exposure	Severe throbbing headache, drowsiness, confusion, fast heart rate.
Extreme Exposure	Unconsciousness, convulsions, cardiorespiratory failure, death.

⚠️ WARNING

- THIS APPARATUS IS DESIGNED TO PROTECT INDIVIDUALS FROM THE ACUTE EFFECTS OF CARBON MONOXIDE EXPOSURE. IT WILL NOT FULLY SAFEGUARD INDIVIDUALS WITH SPECIFIC MEDICAL CONDITIONS. IF IN DOUBT CONSULT A MEDICAL PRACTITIONER.
- MANY CASES OF REPORTED CARBON MONOXIDE POISONING INDICATE THAT WHILE VICTIMS ARE AWARE THEY ARE NOT WELL, THEY BECOME SO DISORIENTED THEY ARE UNABLE TO SAVE THEMSELVES BY EITHER EXITING THE BUILDING OR CALLING FOR ASSISTANCE. YOUNG CHILDREN AND HOUSEHOLD PETS ARE TYPICALLY THE FIRST AFFECTED.

Device Setup

Download the X-Sense Home Security App



Download on the  
Apple App Store



GET IT ON  
Google Play

To download the app, search for **X-Sense Home Security** in the Apple App Store or Google Play, or simply scan the QR code. Create an account using a valid email address. If you already have an account, make sure it is updated to the latest version.

**NOTE: MAKE SURE YOUR SMARTPHONE SUPPORTS IOS 11 AND HIGHER, OR ANDROID 8.0 AND HIGHER.**

## App Features

**Notifications:** You will receive push notifications on the app for alarms, danger cleared, low battery, device malfunction, end of life, etc.

**Device Test:** Simply tap the Device Test button in the app to test whether the device is functioning properly.

**Device Sharing:** You can share the device with your family members and friends. They will receive app push notifications for alarms and have the ability to silence the device, view historical events, etc.

**Before connecting devices, make sure that:**

1. You know your Wi-Fi network name and password.
2. You are connecting your device using a 2.4 GHz Wi-Fi network (incompatible with 5 GHz Wi-Fi network).
3. Make sure the Bluetooth on your phone is turned on.

**NOTE: WHEN THE DEVICE IS CONFIGURED VIA WI-FI, MAKE SURE YOUR MOBILE PHONE AND DEVICES ARE AS CLOSE TO THE ROUTER AS POSSIBLE, WHICH CAN SPEED UP DEVICE CONFIGURATION.**

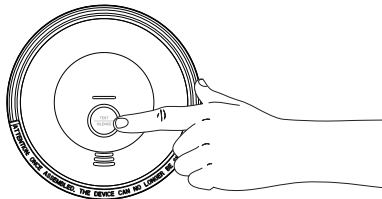
## Activate the Device

This device is equipped with a battery insulating film to ensure it will not be powered on during transportation before it has shipped from the factory. When installing this product, you will need to pull out the film before powering on and activating the device.

## Add a Combination Smoke and Carbon Monoxide Alarm

1. Tap "⊕" in the right top corner of the app homepage, select "Combination Smoke and CO Alarms", then select "Wi-Fi Combination Alarms (Standalone, working without Base Station)". Then select "SC06-WX/SC07-WX" to add a device.
2. Enter a name for the alarm. Select the home you created or create a new home for the alarm, then select the room in which it is installed. If you create a new home, you will need to enter a name and select the country or region in which you live. After selecting the room, tap "Next" to add a device.
3. Remove the insulating film to power up the alarm.
4. Press and hold the test/silence button on the alarm for 5 seconds until it flashes blue. Before the light goes off, immediately tap "Operation Confirmed", then tap "Next"; or else you need to repeat the step to make the LED indicator flash blue.

**NOTE: IF YOUR MOBILE PHONE FINDS TWO OR MORE DEVICES WAITING TO CONNECT TO THE NETWORK, YOU NEED TO TAP TO SELECT THE CORRESPONDING DEVICE YOU WANT TO ADD.**



5. Connect to a 2.4 GHz Wi-Fi network and make sure you enter the correct password. Then, the alarm will enter the pairing process. Make sure the LED indicator is still flashing blue; or else you need to press it to make it flash blue again.
6. When successfully connected, the device will beep once, the backlight (SC07-WX) turns off, and the LED stops flashing. You will see the Wi-Fi combination alarm on the app's device list.

**If you fail to add the alarm to the network within 2 minutes, the device will automatically exit the network configuration. To re-enter the network configuration, you need to repeat the above steps.**

### NOTE:

1. If your router supports a dual band network with both 2.4 GHz and 5 GHz, please create separate SSIDs for the 2.4 GHz and 5 GHz channels. This device is only compatible with a 2.4 GHz Wi-Fi network.
2. To promote successful Wi-Fi connection, make sure you place the alarm within the router range, and that you enter the correct password.

## Set the Preferences for Your Mobile App

### Push Notifications

You can choose to receive app push notifications when any change is made to your system. It is highly recommended that you limit push notifications, as too many notifications can become redundant and load your phone, which can quickly become a nuisance. Furthermore, the more push notifications you allow, the more power your alarm will consume, which will reduce battery life.

### Record History

To access data or check device status, tap the History button on the bottom.

### Offline Notifications

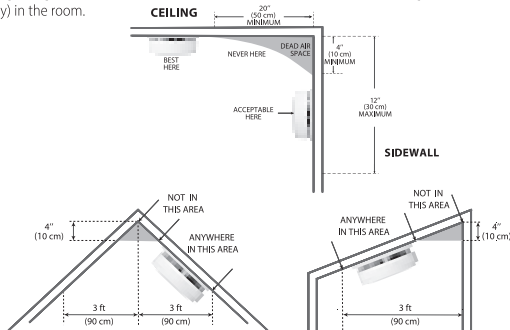
Offline notifications are used to notify you if the alarm disconnects from the Wi-Fi. Note that this notification may not be sent instantly, as the alarm reports to the cloud service center at set intervals.

### CO Alarm Precaution

Dangerous CO concentration is detected, but has not reached the alarm status. The app will show a "CO Alarm Precaution" message, and an app push notification will be sent to your smartphone. Potential dangerous CO conditions exist.

## Installation Instructions

1. Prioritize the installation of an alarm in the bedroom and walkways, and make sure you can hear the alarm from all sleeping areas. In a home with several bedrooms, install an alarm in every bedroom. If you install only one alarm in your home, install the alarm near to all bedrooms where possible, and not in a basement or furnace room.
2. Install an alarm above the stairway and on every floor of the house.
3. Smoke, heat and anything burning will spread horizontally after rising to the ceiling, so install the alarm in the middle of the ceiling where possible. Ensure the alarm is within working distance of all corners of the room.
4. If an alarm cannot be installed in the middle of a ceiling, install at a distance of 20 in (50 cm) away from the corners of the room.
5. If an alarm is installed on a wall, it should be at a distance of 4–12 in (10–30 cm) below the ceiling.
6. If the length of a room or hall is beyond 30 ft (900 cm), several alarms should be installed in the same room.
7. When the wall or ceiling is angled, the alarm needs to be installed within 3 ft (90 cm) of the highest wall or ceiling point (measured horizontally) in the room.



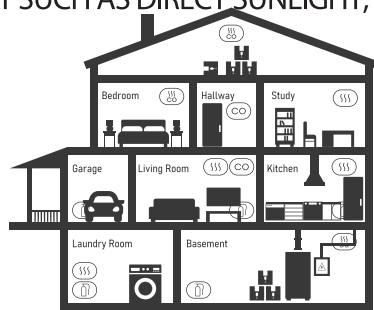
### Locations to Avoid:

1. Near large metal surfaces and/or bundles of wire.
2. Near fluorescent lights, amateur radios, electrical equipment, or other devices that may transmit an RF signal, as electronic noise may cause nuisance alarms.

## Recommended Placement

### ⚠ WARNING!

1. THIS ALARM SHOULD BE INSTALLED BY A COMPETENT PERSON.
2. INSTALLATION OF THE ALARM SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE AND MAINTENANCE OF FUEL BURNING APPLIANCES INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.
3. TO PREVENT INJURY, THIS DEVICE SHOULD BE SECURELY ATTACHED TO THE CEILING OR WALL IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.
4. BATTERIES SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS DIRECT SUNLIGHT, FIRE, ETC.



**NOTE: If a smoke alarm is installed in a kitchen, ensure it has an easily accessible silence button and install the alarm as far away from the stove and sink as possible to avoid false alarms.**

## How to Install This Alarm

### ⚠️ IMPORTANT!

· THIS COMBINATION SMOKE/CO ALARM IS DESIGNED TO BE MOUNTED ON THE CEILING OR WALL.

### ⚠️ WARNING!

- FAILURE TO PROPERLY INSTALL AND ACTIVATE THIS ALARM WILL PREVENT PROPER OPERATION OF THE ALARM AND WILL PREVENT ITS RESPONSE TO FIRE HAZARDS OR CO.
- THIS DEVICE'S INSTALLATION SHOULD NOT REPLACE THE CORRECT INSTALLATION, USE, AND MAINTENANCE OF FUEL-BURNING EQUIPMENT, INCLUDING PROPER VENTILATION AND EXHAUST SYSTEMS.
- THIS DEVICE MAY NOT PREVENT THE CHRONIC EFFECTS OF CARBON MONOXIDE EXPOSURE AND MAY NOT ADEQUATELY PROTECT INDIVIDUALS AT SPECIAL RISK.
- TAMPERING WITH THE DEVICE MAY RESULT IN THE RISK OF ELECTRIC SHOCK OR MALFUNCTION.

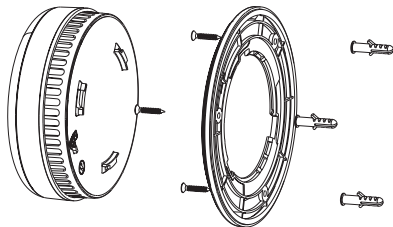
#### Locations to Avoid

**WARNING:** This product is intended for use in ordinary indoor locations of family living units.

1. Do not install in garages, kitchens, furnace rooms or bathrooms! Do not install within 5 ft (1.5 m) of cooking appliances.
2. Do not install within 3 ft (90 cm) of the following: The door to a kitchen, or a bathroom that contains a tub or shower, forced air supply ducts used for heating or cooling, ceiling or whole house ventilating fans, or other high air flow areas. Avoid excessively dusty, dirty or greasy areas. Dust, grease or household chemicals can contaminate the alarm's sensors, causing the alarm to not operate properly.
3. Place the alarm where drapes or other objects will not block the sensors. Smoke and CO must be able to reach the sensors to accurately detect these conditions. Do not install in peaks of vaulted ceilings, "A" frame ceilings or gabled roofs. Keep out of damp and humid areas.
4. Install at least 1 ft (30 cm) away from fluorescent lights, as electronic noise may cause nuisance alarms.
5. Do not place in direct sunlight and keep out of insect-infested areas. Extreme temperatures will affect the sensitivity of the smoke/CO alarm.
6. Do not install in areas where the temperature is colder than 40°F (4.4°C) or hotter than 100°F (37.8°C), such as garages and unfinished attics.
7. Do not install in areas where the relative humidity (RH) is above 85% or below 10%. Place away from doors and windows that open to the outside.
8. Smoke alarms are not to be used with detector guards unless the combination (alarm and guard) has been evaluated and found suitable for that purpose.

## Mounting Steps

1. Drill three Ø 6.0 mm holes in the wall or ceiling, then insert three plastic anchor plugs into the holes with a hammer.
2. Attach the mounting bracket to the surface of the wall or ceiling with three screws and mount the alarm into the bracket by pushing them together and twisting the unit clockwise.
3. Test the unit by using the Test/Silence button. Ensure the unit sounds in an alarm pattern.



## Alarm Testing

### WARNING

1. NEVER USE AN OPEN FLAME OF ANY KIND TO TEST THIS UNIT. YOU MIGHT ACCIDENTALLY DAMAGE OR SET FIRE TO THE UNIT OR TO YOUR HOME.
2. NEVER USE A VEHICLE EXHAUST TO TEST THIS UNIT. EXHAUST FUMES MAY CAUSE PERMANENT DAMAGE AND VOID YOUR WARRANTY.
3. DO NOT STAND CLOSE TO THE ALARM WHEN THE ALARM IS SOUNDING. EXPOSURE AT CLOSE RANGE MAY BE HARMFUL TO YOUR HEARING. WHEN TESTING, STEP AWAY WHEN THE ALARM BEGINS TO SOUND.

Be sure to test your alarms when you turn them on for the first time use. In addition to the weekly test you should perform, it is also recommended to test the alarm after returning from a long trip or vacation.

Action	Push the Test/Silence button.
Device Response	The device beeps 2 sets of 3 long beeps followed by 2 sets of 4 quick beeps, and the LED will flash red. (SC07-WX: The LCD will display "--," "PAS," and finally "0.") This indicates that the device is functioning properly.
App	The app will show a test notification, and a push notification will be sent to your smartphone by the app.

### Alarm Mode

When the device detects smoke or CO, the unit will sound an alarm and the LED will flash red. The app will show a "Smoke Alarm Triggered" or "CO Alarm Triggered" notification, and an app push notification will be sent to your smartphone.

When the smoke or CO concentration drops below the alarm threshold, the alarm sound will stop, and the LED will flash green once every second for 5 seconds. Then, it will automatically enter standby mode. When the alarm ends, an app push notification will be sent to your smartphone.

### WARNING

IF THERE IS ANY DOUBT ABOUT THE CAUSE OF THE ALARM, IT SHOULD BE ASSUMED THAT THE ALARM IS TRIGGERED BY DANGEROUS LEVELS OF SMOKE OR CARBON MONOXIDE, AND THE RESIDENCE SHOULD BE EVACUATED.

#### Silence Mode

**Smoke Silence Mode:** Press the test button during an alarm to have the unit enter silence mode. If the smoke concentration has reached an alarm level, after the silence time has expired, this unit will continue to alarm until the smoke concentration decreases to a safe, low level. Otherwise, the alarm will enter the normal mode after 9 minutes.

**CO Silence Mode:** Press the test button during an alarm to have the unit enter silence mode. If the CO density still exceeds the alarm threshold, the unit will re-enter the alarm state. Otherwise, the unit will exit the silence mode after 9 minutes and resume normal operation.

If there is a false alarm, you can temporarily silence it by pressing the test/silence button on the device or in the app. You will receive an instant notification from the app telling you that the device has been temporarily silenced. The alarm sound will stop and the LED will flash red to remind you that the alarm has been silenced. The alarm will automatically exit silence mode after 9 minutes.

During silence mode, if the carbon monoxide concentration is still greater than 70 ppm after 6 minutes, the device will be triggered again; if not, the device will automatically exit the silence mode after 9 minutes, and the LED will flash green 3 times continuously.

**Note:** *If smoke levels are too high, the alarm cannot be silenced.*

### Battery Replacement

#### Low Battery

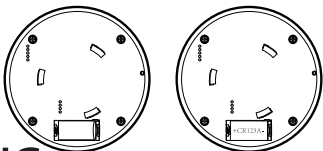
The LED indicator will flash yellow together with one beep every 60 seconds. A low battery notification will be sent to your smartphone by the app.

If you press the test button when there is low battery, the low battery signal will temporarily cease for 10 hours.

#### Replacing Battery

1. To replace the battery, detach the alarm from the mounting bracket by twisting counterclockwise.
2. Remove the battery, and then install a new battery, matching the correct polarity markings.
3. Test the alarm, and then mount the alarm onto the mounting bracket by twisting clockwise to lock the alarm.





- **WARNING:** Test the alarm for correct operation using the test facility, whenever the battery is replaced.
- **WARNING:** KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.
- NEVER charge a battery unless it is a rechargeable battery.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (Ni-Cd; Ni-MH) batteries.
- Different types of batteries or new and used old batteries are not to be mixed. Do not mix batteries of different manufacturers, capacities, or sizes.

- Batteries must be inserted with the correct polarity. Replacement of a battery with an incorrect type can defeat the safeguard. There will be a risk of fire or explosion if a battery is replaced by an incorrect type.
- CONSTANT EXPOSURE TO HIGH OR LOW TEMPERATURES AND HIGH HUMIDITY MAY REDUCE BATTERY LIFE.
- **WARNING:** Use only batteries specified in marking. Use of a different battery will have a detrimental effect on alarm operation.
- **WARNING:** Test the alarm for correct operation using the test facility, whenever the battery is replaced.

#### End of Life





Once the maximum lifetime (10 years) is reached, the alarm will deliver 3 beeps and the LED indicator will flash yellow 3 times every 60 seconds. This end-of-life signal can be temporarily silenced for 22 hours by pressing the test button. An end-of-life push notification will be sent to your smartphone by the app. The end-of-life silence feature can only be used for a total of 30 days. After 30 days, the end-of-life signal cannot be silenced.

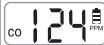
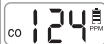
To help identify the date to replace the alarm, write down the date of first operation on the dedicated label, located on the side of the alarm.

## LED Indicator and Alarm Guide

While detecting CO, the LCD will display different indications to help you understand what to do, as shown below:

**NOTE: ONLY THE SC07-WX HAS AN LCD DISPLAY. THE LED INDICATOR AND BUZZER FUNCTIONALITY OF THE SC06-WX ARE THE SAME AS THOSE OF THE SC07-WX.**

Mode		LCD Display (SC07-WX)	LED Indicator	Audible Alarm	Remarks
Powering On	First-time use without connecting to the Wi-Fi.		Runs through 8 cycles (yellow/green/red) in sequence.	1 quick beep.	Make sure the battery insulating film is removed and the device is turned on.
	The battery is replaced and the device has connected to the Wi-Fi before.	co 0 	The LED indicator flashes blue until the Wi-Fi connection is successful.		Make sure the battery is properly installed and the device is turned on.
Standby Mode		co 0 	Flashes green once every 60 seconds.	None.	Normal network connection status.
		co 0 	Flashes green once followed by flashing yellow once every 60 seconds.	None.	Abnormal network connection status.
Alarm Mode	Unit detects smoke and initiates an alarm.		Flashes red 3 times every 4 seconds.	3 long beeps every 4 seconds.	Dangerous smoke concentration is detected. The app will show a "Smoke Alarm Triggered" message, and an app push notification will be sent to your smartphone. Open nearby windows and doors, and immediately move to fresh air.

Unit detects CO and initiates an alarm.		A CO concentration ranging from 70 to 999 ppm has been present for a certain time period. The LED indicator flashes red 4 times every 5.8 seconds.	4 quick beeps repeating every 5.8 seconds.	Dangerous CO concentration is detected, and has reached the alarm status. The app will show a "CO Alarm Triggered" message, and an app push notification will be sent to your smartphone. Open nearby windows and doors, and immediately move to fresh air.
Unit detects CO (alarm not initiated).		A CO concentration level ranging from 70 to 999 ppm has been detected, but for less than the allotted detection period. The LED indicator flashes green once every 60 seconds.	None.	Dangerous CO concentration is detected, but has not reached the alarm status. Potentially dangerous CO conditions exist. The app will show a "CO Alarm Precaution" message, and an app push notification will be sent to your smartphone. Please search for the CO source first. Open nearby windows and doors, and immediately move to fresh air.

<div>Unit detected smoke and initiated an alarm.</div> <div>Unit detected CO and initiated an alarm.</div> <div>Test Mode</div> <div>Silence Mode</div>		The LED indicator flashes green once every second for 5 seconds.	None.	Alarm cancellation: when the smoke concentration level drops below the alarm threshold, the alarm signal will stop. Then, the alarm goes back to the standby mode after testing.
		The LED indicator flashes green once every second for 5 seconds.	None.	Alarm cancellation: when the CO concentration level drops below the alarm threshold, the alarm signal will stop. Then, the alarm goes back to the standby mode after testing.
		2 sets of 3 red flashes followed by 2 sets of 4 red flashes.	2 sets of 3 long beeps followed by 2 sets of 4 quick beeps.	Press the Test/Silence button.
		Flashes red 3 times every 4 seconds.	None.	Smoke silence mode: After 9 minutes, the unit will exit silence mode.
		Flashes red 4 times every 5.8 seconds.	None.	CO silence mode: After 9 minutes, the unit will exit silence mode.

Low Battery		Flashes yellow once every 60 seconds.	None.	Silence mode during low battery: After 10 hours, the unit will exit silence mode.
		Flashes yellow 3 times every 60 seconds.	None.	Silence mode during the end of cycle: After 22 hours, the unit will exit silence mode.
		Flashes green 3 times.	None.	Exiting silence mode.
Fault		Flashes yellow once every 60 seconds.	One beep every 60 seconds.	Replace the battery immediately.
End of Life		Flashes yellow 2 times every 60 seconds.	2 beeps every 60 seconds.	Please clean your alarm and see if it is working normally. If "E03" or "E04" continues to display, the unit has malfunctioned and must be replaced immediately.
End of Life		Flashes yellow 2 times every 60 seconds.	2 beeps every 60 seconds.	Please clean your alarm and see if it is working normally. If "E03" or "E04" continues to display, the unit has malfunctioned and must be replaced immediately.
End of Life		Flashes yellow 3 times every 60 seconds.	3 beeps every 60 seconds.	Replace the unit immediately.

## Fire Safety Tips

### Follow these safety rules to prevent hazardous situations:

1. Use smoking materials properly. Never smoke in bed.
2. Keep matches or lighters away from children.
3. Store flammable materials in proper containers.
4. Keep electrical appliances in good condition and don't overload electrical circuits.
5. Keep stoves, barbecue grills, fireplaces and chimneys grease-free and debris-free.
6. Never leave anything cooking on the stove unattended.

7. Keep portable heaters and open flames, like candles, away from flammable materials.
8. Don't let rubbish accumulate.
9. Keep alarms clean, and test them weekly.
10. Replace alarms immediately if they are not working properly. Smoke alarm that do not work cannot alert you to a fire.
11. Keep at least one working fire extinguisher on every floor, and an additional one in the kitchen.
12. Have fire escape ladders or other reliable means of escape from an upper floor in case stairs are blocked.

## Technical Specifications

Maximum Service Life	10 years (from the date of manufacture)
Power Supply	1 × 3 V DC CR123A lithium battery (replaceable)
Sensor Type	Smoke: Photoelectric CO: Electrochemical
Battery Life	1 year
CO Sensitivity	70 ppm for 60-240 minutes 150 ppm for 10-50 minutes 400 ppm for 4–15 minutes
Smoke Sensitivity	1.29–2.36% obs/ft
Operating Temperature	40–100°F (4.4–37.8°C)
Operating Relative Humidity	10%–85% RH (non-condensing)
Alarm Loudness	≥85 dB at 3 m (10 ft) @ 3.2 ± 0.3 kHz pulsing alarm
Silence Duration	≤ 9 minutes
Operating Frequency	2400–2483.5 MHz
Number of Allowed Devices	One app account can create up to 5 houses. Each house can add 1 base station and 49 Wi-Fi products. The Wi-Fi products can include this product as well as other X-Sense Wi-Fi products.
App	X-Sense Home Security (both Android and iOS supported)
Wireless Frequency	2.4 GHz (Incompatible with 5 GHz Wi-Fi network)
Wi-Fi Transmission Range	170 ft (50 m)
Wireless Protocol	IEEE 802.11b/g/n

### NOTE:

1. *Battery life is calculated on the current ratings in the standby mode with weekly testings. If its operation mode changes to an alarming condition, the battery life will be decreased accordingly.*
2. *This alarm functions between 40–100°F (4.4–37.8°C). Prolonged exposure to lower or higher temperatures can reduce battery life and affect device performance. We do not recommend operating the device beyond its temperature range.*

## Maintenance

To keep your alarm in good working order, follow these simple steps:

1. Verify the unit's alarm sound and indicators are working properly by testing the unit once a week.
2. As a minimum your alarm should be cleaned once every 3 months: Remove the unit from the ceiling and clean the alarm cover and vents with your vacuum cleaner fitted with the soft brush attachment to remove dust and dirt.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect fire or CO.
6. Never attempt to disassemble the unit or clean inside. Doing so will void your warranty.
7. When removed, place the alarm back in its proper location as soon as possible, to assure continuous protection from fire or carbon monoxide.
8. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

## Troubleshooting

**NOTE: IF THE ALARM CANNOT FUNCTION PROPERLY, PLEASE CONTACT US FOR ADVICE.**

PROBLEM	CAUSE	SOLUTION
The device is not triggered when it is tested with smoke.	The device is not turned on.	Make sure the battery insulating film is removed. If the battery runs out, please replace the battery.
	The smoke is not reaching the sensor properly.	Smoke must enter the smoke sensor through the side openings to activate the device. Please be aware that the top of the device features the buzzer and decorative metal mesh.
	The time duration is insufficient for the device to detect smoke.	Continuous smoke exposure is necessary for the device to be triggered. When smoke reaches the smoke sensor, the device will be activated within about 20 seconds.
	Insufficient smoke concentration.	This product utilizes a photoelectric sensor, requiring sufficient smoke concentration for detection. Higher smoke levels lead to faster alarm response. Avoid using an open flame for testing.
The alarm does not sound during a test.	The device is not turned on.	Please ensure the battery insulating film is removed and the device is turned on. If the battery runs out, replace the battery immediately.
	You don't push the test / silence button firmly.	Make sure you push the test/silence button firmly.
False alarms are triggered intermittently or when residents are cooking, taking showers, etc.	The device is improperly installed.	Install the device far away from kitchen appliances, dusty places, shower areas, and locations where the temperature is over 100°F (37.8°C) or below 40°F (4.4°C). Check the location of your alarm (see <b>"Locations to Avoid"</b> ).

	The device is clogged by dirt and dust.	Clean the device periodically (see <b>"Maintenance"</b> ).
Device failed to connect to the network.	The entered Wi-Fi name and/or password are wrong.	Enter the correct Wi-Fi name and password.
	The phone Bluetooth is not turned on.	Turn on the phone's Bluetooth.
	The device is not entering pairing mode.	Press and hold the Test/Silence button on the device for 5 seconds and its LED will flash blue to enter the pairing mode.
The app push notification is delayed or there are no push alerts.	The app push notification permission is disabled.	Turn on the push notification permission on the phone.
	The device is not within the network coverage of the router.	The distance between the device and the router should be within 170 ft (50 m). Please ensure that the device is always within the network coverage of the router.
	The network connection of the router and the mobile phone is abnormal.	Make sure the network connection of the router and the mobile phone is normal.
The app shows that the alarm is offline.	The battery runs out.	Replace the battery.
	The communication between the alarm and the router is blocked or the distance is too far.	Reduce the obstacles between the alarm and the router. The maximum distance between the alarm and the router is 170 ft (50 m) in an open environment.

	The network connection of the router and the mobile phone is abnormal.	Make sure the network connection of the router and the mobile phone is normal.
SC07-WX: The device screen shows the concentration value, yet the app does not provide notifications or display the concentration value.	The carbon monoxide (CO) concentration value is currently below 100 ppm, and the alarm threshold time has not been reached yet.	Device won't send a "CO Alarm Precaution" alert for CO concentrations under 100 ppm to save power and avoid disturbances. App won't display values either. But if CO under 100 ppm lasts for a period of time and reaches alarm threshold, normal alarm notification is sent.
SC07-WX: Device screen updates concentration value, but the app value remains unchanged.	Device is in the "CO Alarm Precaution" state, and concentration hasn't increased to higher level yet.	To conserve power, the app updates the concentration value only when it rises within a specific range (e.g., from 110 ppm to 220 ppm) during the "CO Alarm Precaution" state.
LED flashes yellow once every 60 seconds with 1 beep.	Low battery warning.	The battery is low. Push Test/Silence button once to silence for 10 hours. <b>Replace the battery immediately.</b>
LED flashes yellow 2 times every 60 seconds with 2 beeps.	Malfunction.	The alarm is malfunctioning. Please clean your alarm and see if it is working normally. If not, <b>replace the device immediately.</b>
LED flashes yellow 3 times every 60 seconds with 3 beeps.	End-of-life warning.	The maximum lifetime (10 years) is reached. Push the Test/Silence button once to silence for 22 hours. <b>Replace the alarm immediately.</b>

### If the Smoke Alarm Sounds

1. Don't panic; stay calm. Follow your family's escape plan.
2. Get out of the house as quickly as possible. Don't stop to get dressed or collect anything.
3. Feel doors with the back of your hand before opening them.
4. If a door is cool, open it slowly. Don't open a hot door. Keep doors and windows closed, unless you must escape through them.
5. Cover your nose and mouth with a cloth (preferably damp).
6. Take short, shallow breaths.
7. Meet at your planned meeting place outside your home, and do a head count to make sure everybody got out safely.
8. Call the Fire Department as soon as possible from outside. Give your address, then your name.
9. Never go back inside a burning building for any reason.
10. Contact your Fire Department for ideas on making your home safer.

### If the CO Alarm Sounds

## WARNING

Actuation of your CO alarm indicates the presence of carbon monoxide (CO) which can KILL YOU. If alarm signal sounds:

- 1) Operate reset/silence button (test/silence button).
- 2) Call your emergency services (Telephone Number [Fire Department or 911]).
- 3) Immediately move to fresh air - outdoors or by an open door/window. Do a head count to check that all persons are accounted for.

Do not reenter the premises nor move away from the open door/window until the emergency services responders have arrived, the premises have been aired out, and your alarm remains in its normal condition.

- 4) After following steps 1-3, if your alarm reactivates within a 24-hour period, repeat steps 1-3 and call a qualified appliance technician (Telephone Number) to investigate for sources of CO from fuel-burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers' instructions, or contact the manufacturers directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence.

#### **More detailed information on conditions which can result in transient CO situations, such as:**

1. Excessive spillage or reverse venting of fuel burning appliances caused by:
  - Outdoor ambient conditions such as wind direction and/or velocity, including high gusts of wind; heavy air in the vent pipes (cold/humid air with extended periods between cycles).
  - Negative pressure differential resulting from the use of exhaust fans.
  - Simultaneous operation of several fuel-burning appliances competing for limited internal air.
  - Vent pipe connection vibrating loose from clothes dryers, furnaces, or water heaters.
  - Obstructions in or unconventional vent pipe designs which amplify the above situations.
2. Extended operation of unvented fuel-burning devices (range, oven, fireplace, etc.).
3. Temperature inversions which can trap exhaust gasses near the ground.
4. Car idling in an open or closed attached garage, or near a home.

#### **Limitations of CO Alarms**

1. CO alarms may not wake up all individuals. If children or others do not readily awaken to the sound of the CO alarm, or if there are infants or family members with mobility limitations, make sure that someone assists them in the event of an emergency.
2. This CO alarm will not sense carbon monoxide that does not reach the sensor. This CO alarm will only detect CO that reaches the sensor. CO may be present in other areas. Doors or other obstructions may affect the rate at which CO reaches the CO alarm. For this reason, if bedroom doors are usually closed at night, it is recommended that you install a CO alarm in each bedroom and in the hallway between them.
3. CO alarms may not sense CO on another level of the house. For example, a CO alarm on the second level, near the bedrooms, may not sense CO in the basement. For this reason, one CO alarm may not give an adequate warning. Complete coverage is recommended by placing CO alarms on each level of the house.
4. CO alarms may not be heard. The alarm buzzer noise level 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 awaken a sound sleeper or one who has recently used drugs or has been drinking alcohol. This is especially true if the door is closed or only partially open. Even persons who are awake may not hear the alarm horn if the sound is blocked by distance or closed doors. Noise from traffic, stereos, radios, televisions, air conditioners, or other appliances may even prevent alert persons from hearing the alarm horn. This CO alarm is not intended for people who are hearing impaired.
5. CO alarms are not a substitute for a smoke alarm. Although fire is a source of carbon monoxide, this CO alarm does not sense smoke or fire. This CO alarm senses CO that may be escaping unnoticed from malfunctioning furnaces, appliances, or other possible sources of incomplete combustion. The installation of a smoke alarm is required for an early warning of fire.
6. CO alarms are not a substitute for life insurance. Though these CO alarms warn against increasing CO levels, we do not warrant or imply in any way that they will protect lives from CO poisoning. Homeowners and renters must still insure their lives.

7. CO alarms have a limited life. Although the CO alarm and all of its parts have passed many stringent tests and are designed to be as reliable as possible, any of these parts could fail at any time. Therefore, you are strongly recommended to test your CO alarm weekly.
8. CO alarms are not foolproof. Like all other electronic devices, CO alarms have limitations. They can only detect CO that reaches their sensors. They may not give early warning of rising CO levels if the CO is coming from a remote part of the house, or is at some distance from the CO alarm.

## FCC Statement

1. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference.
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Note: This equipment has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
3. Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
4. The distance between user and products should be no less than 20 cm.

## Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or retailer for recycling advice.



## Manufacturer and Service Information

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