



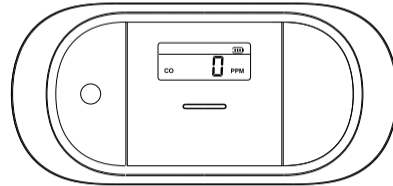
UL 2034

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www.x-sense.com

X-SENSE |  **Link+ Pro**



User Manual

Link+ Pro Carbon Monoxide Alarm **XC01-M**

F.1.05.XC0120 v1.0

English

This user manual contains important information regarding the installation and operation of your carbon monoxide alarm. Please take a few minutes to thoroughly read this manual which should be saved for future reference. If you are installing the carbon monoxide alarm for use by others, you must leave this manual—or a copy of it—with the end user.

Introduction

This device is a battery-powered wireless interlinked carbon monoxide (CO) alarm with an advanced electrochemical sensor designed for domestic use. Please note that this device does not detect smoke, heat, flames, or any hazardous gas other than carbon monoxide, even though carbon monoxide can be generated by fire. For this reason, you must install smoke alarms to provide an early warning of fire and to protect you and your family from fire and its related hazards.

Multiple XC01-M carbon monoxide alarms can be connected to the X-Sense SBS50 base station using the X-Sense Home Security app. After connecting to the base station, these alarms will be interconnected, so when one alarm is triggered, all will sound an alarm.

This alarm supports Link⁺ Pro. Please note the following:

1. Only devices that are advertised as supporting Link⁺ Pro can be connected to the app via the base station.

2. Link+ Pro supports both base station connection and a customizable wireless network as separate networks. You can only connect a device to one of them at a time. If you connect them to the base station, you'll receive app notifications but lose the customizable wireless network. Choosing the customizable wireless network means disconnecting from the base station and losing app notifications. Wireless interconnection is supported regardless of your choice.
3. This device can be interconnected with other Link+ series devices to create a customizable wireless network.
4. Switching between the base station and customizable wireless network is simple and can be done at any time by following the corresponding adding method.
5. Please note that the interlinked test function is not supported by the base station.

⚠ WARNING

- 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 IS TO BE INSTALLED BY A COMPETENT PERSON.
- IT IS NOT TESTED FOR USE IN A CARAVAN OR BOAT.

Package Contents

1 × CO Alarm (Pre-installed Battery)

2 × Anchor Plugs

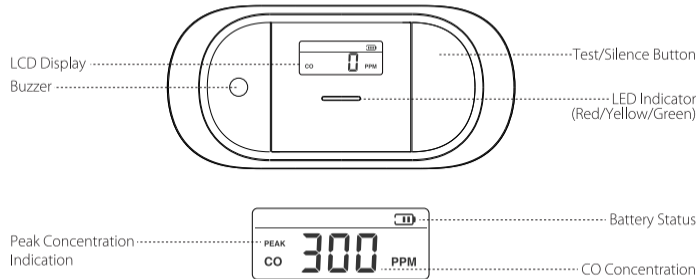
1 × Carbon Monoxide Safety Sticker

2 × Screws

1 × User Manual

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Product Features



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Test/Silence Button

The Test/Silence button is used to test the unit's electronics and to silence the unit during an alarm.

Short press the test button and you will hear a short beep, indicating that the alarm has entered the test mode. Please refer to the "Alarm Testing" section for further information. The alarm goes back to the standby mode after testing.

NOTE: After a test has begun, the alarm will sound and the LED indicator will flash red. This does not indicate that CO is present.

CO Alarm Levels

This X-Sense 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.

CO Concentration and Symptoms

The table below shows the effects of different levels of CO poisoning on the body:

Parts per Million (PPM)	Effects on Adults
100	Slight headache, nausea, fatigue (flu-like symptoms).
200	Dizziness and headache within 2–3 hours.
400	Nausea, frontal headache, drowsiness, confusion and rapid heart rate. Risk to life after over 3 hours of exposure.
800	Severe headaches, convulsions, vital organ failures. Death possible within 2–3 hours.

⚠ WARNING

THIS DEVICE IS DESIGNED TO PROTECT INDIVIDUALS FROM ACUTE EFFECTS OF CARBON MONOXIDE EXPOSURE. IT MAY NOT FULLY SAFEGUARD INDIVIDUALS WITH SPECIFIC MEDICAL CONDITIONS. IF IN DOUBT, CONSULT A MEDICAL PRACTITIONER.

Low-Battery Warning

If the battery is low, the unit will chirp once, and the LED indicator will flash yellow every 60 seconds to indicate that the battery needs replacement.

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

End-of-Life Indication and Hush Control

Once the maximum lifetime of the alarm (10 years) is reached, the alarm will beep 3 times 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.

This 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. During this end-of-life silence period, your alarm will continue to monitor for CO and provide protection as usual.

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.

Device Setup

Download the X-Sense Home Security App



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

***Note:** Make sure your smartphone supports iOS 11 and higher, or Android 8.0 and higher.*

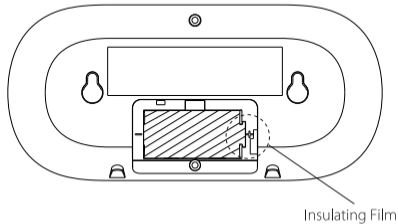
Before connecting alarms, make sure that:

1. You know your Wi-Fi network name and password.
2. You are connecting your base station and alarms 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.*

To 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.

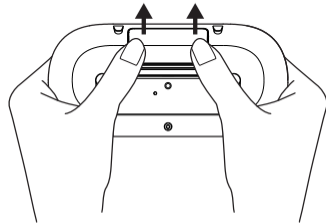


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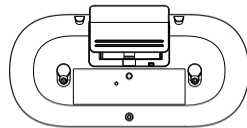
Before use, pull out the battery insulating film from the battery compartment to power on the device. After the device is turned on, the buzzer will beep once, the LCD backlight will light up, and the LED indicator will flash through 8 cycles (yellow/green/red). The device will then enter standby mode.

Follow the process below to open the battery compartment cover:

Hold the alarm with both hands and put your thumbs on both ends of the battery compartment cover. Then, push the cover upwards with some force to remove it.



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Connect the Link+ Pro Carbon Monoxide Alarm to the Base Station

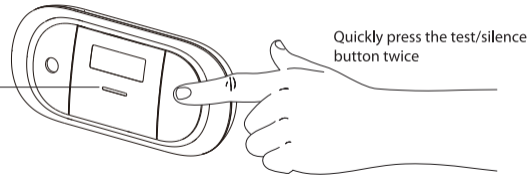
The Link+ Pro Carbon Monoxide Alarm can be connected to the base station through the wireless network. When the alarm is connected to the base station, you can receive push notifications wherever you are to stay informed of the device status, and to silence an alarm from your smartphone.

NOTE: Before adding devices to the system, make sure the base station has been successfully added to the app.

1. Tap "⊕", select "Carbon Monoxide Alarms", and then select "Link+ Pro CO Alarms (working with SBS50 Base Station)" in the product list. Then, tap "Next" to enter the pairing page.
2. Follow the prompts on the page by quickly pressing the test/silence button twice on the alarm until the LED flashes green rapidly, indicating that the device is waiting to connect to the Wi-Fi.
3. Tap "Next" to add the device. You will hear "Ready to add the device."
4. After successfully connected, you will hear "Device added" and the "Device added" page will appear. Then you can find the carbon monoxide alarm in the device list.
5. If you want to add multiple devices into the system, please repeat the above steps.

NOTE: If you fail to add the carbon monoxide alarm to the network within 60 seconds, the device will automatically exit the network configuration. To re-enter the network configuration, you need to repeat the above steps.

The LED indicator
will flash green



Interconnect the Alarms Without Adding to the Base Station

If you don't want to add the carbon monoxide alarms to the base station, you can connect the carbon monoxide alarms using RF technology to create an interconnected alarm system. However, you will no longer be able to receive push notifications on your phone from the X-Sense Home Security app.

NOTE: The XC01-M carbon monoxide alarms can be connected to the X-Sense Link+ Pro and Link+ alarms using wireless interconnection without being connected to the base station.

How to Set Up and Interconnect Wireless Alarms

All X-Sense wireless interlinked alarms contain a built-in RF module that enables you to wirelessly connect 2 or more interlinked alarms and create an interlinked network. When one unit is triggered, all interconnected alarms will sound. The X-Sense wireless interlinked alarms series contain wireless interlinked smoke alarms, wireless interlinked carbon monoxide alarms, and wireless interlinked smoke and carbon monoxide alarms. This model is designed to be wirelessly interlinked with other X-Sense wireless alarms, but is not designed to communicate with wireless interlinked alarms from other manufacturers.

The X-Sense wireless interlinked alarms in one multi-pack have already been interconnected, and the alarms in each multi-pack have their own independent interlinked network. If you have more than one multi-pack, you will need to connect them all to the same network. Choose one multi-pack as your base network and connect the other multi-packs to it.

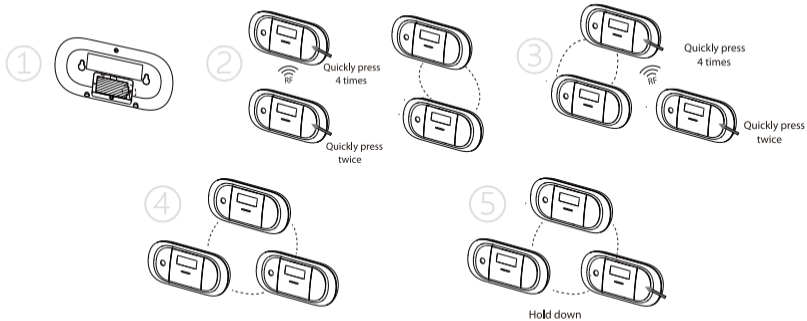
NOTE: *The following instructions regarding wireless interconnection are applicable to the X-Sense Link⁺ Pro and Link⁺ wireless interlinked alarms only.*

How to Interconnect

1. Make sure you only work with 2 units at a time, and make sure that they are both turned on to ensure successful connection.

NOTE: *To turn on XC01-M, pull out the battery insulating film from the battery compartment. To learn how to turn on different models of wireless interlinked alarms, please refer to their specific user manual for more details.*

2. Quickly press the test/silence button on one of the 2 units 4 times; it will beep once and the LED will flash red slowly, indicating it has entered pairing mode and is waiting for a new unit to be added. Quickly press the test/silence button on the other unit twice; it will beep once and the LED will flash red rapidly, indicating it is searching for a device to connect to.
3. After the search is successful and an interconnected group is created, both units will beep once and automatically exit the interconnection mode. At this point, both units will only flash once every 60 seconds, indicating they are in normal standby mode.
4. If you want to connect a third alarm to this group, first activate a new device according to its operating instructions, and then quickly press the test/silence button on either of the 2 previously interconnected units 4 times. This unit will beep once, and the LED will flash red slowly, indicating it is ready to add a new device to the network. Next, quickly press the test/silence button on the new unit twice, and the LED will flash red rapidly as it searches for a network to connect to. After the third unit successfully joins the interconnected network, both units will beep once and automatically exit the interconnection mode.
5. If you want to connect more units, simply repeat step 4. Up to 24 alarms can be interconnected this way. **To ensure that all alarms enter the same interlinked network, make sure you only work with 2 units at a time—one unit enters the pairing mode and the other unit enters the searching mode.**
6. Test the alarms according to the steps in the section “Alarm Testing.”



NOTES

1. The alarm will enter the searching mode or the pairing mode for 60 seconds with the LED flashing red. After 60 seconds, repeat step 2 to connect the alarms. If needed, press the test/silence button once while the alarm is in the searching mode or the pairing mode, and the LED will stop flashing red and the alarm will quit the pairing mode to enter normal status.
2. Test all wireless alarms to ensure they are interconnected before installation.
3. A maximum of 24 wireless alarms can be interconnected on the same network.
4. The model can only be interconnected with other X-Sense Link+ Pro and Link+ wireless interlinked alarms.

How to Disconnect

Quickly press the Test/Silence button 4 times; the alarm will beep once. Then, hold down the button until it beeps once more to disconnect. After disconnecting, it can be reconnected to the same network, or added to a new network.

NOTE: The X-Sense Link+ Pro wireless interlinked alarms in one multi-pack have already been interconnected. To create a new network, you will first need to disconnect each alarm individually in this multi-pack to avoid having them all join the same network.

Where to Install

Ideally, a carbon monoxide alarm should be installed in every room containing a fuel-burning appliance, and one in every bedroom. However, if the number of carbon monoxide alarms available is limited, the following guidelines should be considered when choosing the best places to install an alarm(s):

- If there is an appliance in a bedroom, a CO monitor should be installed.
- Install an alarm in rooms containing a flueless or open-flued appliance.
- Install an alarm where residents spend most of their time.
- In a studio apartment, a CO alarm should be placed as far away from the cooking appliances as possible, but close to where the person sleeps.
- If the appliance is in a room not normally used (such as a boiler room), the CO alarm should be placed just outside of this room so that the alarm can be heard more easily.

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

- If it is mounted on a wall, it should be installed at a height greater than the height of any door or window, but should still be at least 150 mm (5.9 inches) below the ceiling.

- The CO alarm should have a horizontal distance between 1 m (3.3 feet) and 3 m (10 feet) from any potential CO source.
- If there is a partition in the room, the CO alarm should be installed on the same side of the partition as the potential CO source.

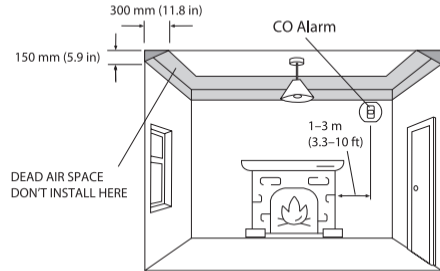


Figure 1: Installation in a room with a fuel-burning appliance

2. Installing the CO alarm in a bedroom or room without a fuel-burning appliance (see Figure 2):

- Mount the CO alarm relatively close to the breathing zone of the occupant.
- Install the alarm such that the LED indicator is viewable when the occupant is near the alarm.

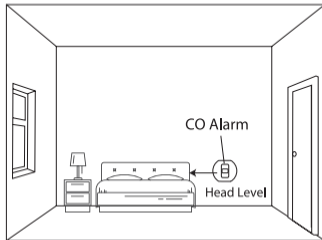


Figure 2: Installation in a bedroom or other room without a fuel-burning appliance (installed at head level)

NOTE: Due to the product's unique design and unfixed installation, it is not recommended to install it on a ceiling, as it is prone to falling off and causing injuries to people.

Locations to Avoid

Important Note

Improper location can affect the sensitive electronic components in this alarm. To avoid causing damage to the unit, to provide optimum performance and to prevent unnecessary nuisance alarms, **do not locate CO alarms** in the following areas:

1. In garages or in any extremely dusty, dirty or greasy areas.
2. Where there is the possibility of smoke or fumes under normal operating circumstances.
3. In poorly ventilated kitchens, garages and furnace rooms. Keep the CO alarms at least 1.5 m (5 feet) from potential smoke or fume sources (e.g. stoves, furnaces, water heaters, space heaters) if possible.
4. In areas where a 1.5 m (5-foot) distance from a potential smoke or fume source is not possible. In modular, mobile or smaller houses, it is recommended the CO alarm be placed as far from any potential smoke or fume sources.
5. Within 1.5 m (5 feet) of any cooking appliance.
6. In extremely humid areas. This alarm should be at least 3 m (10 feet) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other source of high humidity.

7. In areas where the temperature is colder than 4.4°C (40°F) or hotter than 37.8°C (100°F). For example, non-air-conditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches and garages.
8. Where the air is turbulent, such as near ceiling fans, heat vents, air conditioner vents, fresh air return vents, or open windows. Excessive air flow may prevent any CO from reaching the sensors.
9. In direct sunlight.
10. Near large metal surfaces or where there are lots of cables or wires that can cause interference.
11. Near fluorescent lights, amateur radios, electrical equipment, or other units that may transmit an RF signal, as electronic noise can cause false alarms.

Installation Method

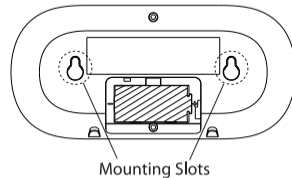
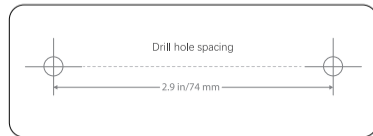
NOTE: Before installation, it is recommended to test the interconnected alarms in the rooms where you intend to install them to ensure that they are within transmission range and that nothing will interfere with their communication.

⚠ WARNING

CONSTANT EXPOSURE TO HIGH OR LOW TEMPERATURES AND HIGH HUMIDITY MAY REDUCE BATTERY LIFE.

Wall Mounting

1. Choose a suitable installation location by referring to the “Where to Install” section.
2. Remove the indication sticker from the packaging and refer to the hole locations on the sticker. Draw two screw holes according to the size and layout of the mounting holes on the back of the product. Drill the screw holes 30 mm (1.18 inches) deep using a \varnothing 6.0 mm (1/4-inch) drill bit. Note that the distance between the center of the two holes is 74 mm (2.9 inches).

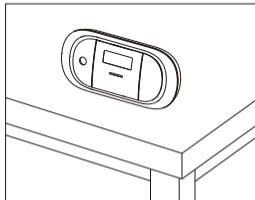
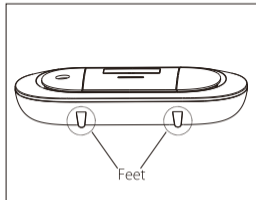


3. Insert the anchor plug into the screw hole and hammer it in until the head of the anchor plug is flush with the wall.
4. Use the two provided screws or 3.5 × 25 mm (0.13 × 0.98 in) countersunk screws to screw into the two anchor plugs. Be sure to leave a 5 mm (1/5-inch) gap between the head of the anchor plugs and the screws, which will allow for easy device mounting.

5. Mount and lock the device onto the wall by aligning the two mounting slots on the back of the device with the screws on the wall.
6. Test the device by pushing the test button to make sure that the device is functioning properly.

Installation on a Table

The base of the detector has two feet built into the design that allow it to stand freely on a flat surface.



NOTE: When placing on a shelf, please adhere to the recommended placement as described in "Where to Install."

Alarm Testing

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

If your X-Sense XC01-M carbon monoxide alarm is interconnected to other wireless alarms, we recommend that every individual alarm be tested during the weekly test.

	Test a Single Alarm	Test All Interconnected Alarms
Action	<ul style="list-style-type: none"> • Press the Test/Silence button. • Or tap the Device Test button in the app (for devices connected to the base station). 	Hold down the Test/Silence button.
Indication	<ul style="list-style-type: none"> • The alarm will emit 2 sets of four quick beeps every 5.8 seconds. • The LED will flash red during the audible signal. • The LCD will display "--," "PAS," the peak CO concentration recorded since the previous reset, and finally "0." 	<ul style="list-style-type: none"> • The initiating unit will beep continuously with the LED flashing red. • Other interconnected alarms in the network will receive the signal after 5 seconds, then they will beep continuously with the LED flashing red and green successively. Release the Test/Silence button

- For devices connected to the base station, a push notification will be sent to your smartphone.
- After testing, the alarm will automatically enter standby mode.

- on the initiating unit and all the units will stop testing.
- The units testing should be completed within 3 minutes.
- After testing, the units will automatically enter standby mode.

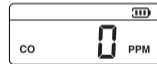
NOTE:

1. The devices connected to the base station can only be tested individually. The interconnected devices that are not connected to the base station can be tested by holding down the test/silence button on one of the devices.
2. The test function accurately tests the alarm's CO sensing circuit without the need to test with CO. If your CO alarm fails to emit an audible test signal, refer to the troubleshooting guide at the end of this manual immediately.

Peak CO Concentration Memory and Reset

The peak CO concentration feature is helpful in identifying if there have been any dangerous CO readings since a peak CO concentration reset.

Each time you push the test button, the LCD displays the peak CO concentration recorded since the previous reset. The peak CO concentration will be displayed for 5 seconds, and then the device will enter standby mode. In the example, 300 ppm was the maximum CO concentration recorded since the unit was last reset.



Peak CO Concentration Reset: During the 5 seconds when the LCD displays the peak CO concentration, press and hold the test button for 3 seconds, the device will beep, the LED will flash green, and the peak CO concentration will be reset with LCD displaying "0."

NOTE: If the carbon monoxide concentration is lower than 30 ppm, it will not be recorded in the peak CO concentration.

Alarm Mode

X-Sense wireless interlinked alarms can be interconnected such that any unit that senses danger will cause all other units in the interconnected network to alarm.

For devices connected to the base station:

- When an alarm is triggered, an in-app message will appear and an alarm push notification will be sent to your smartphone.
- When one alarm is triggered, all devices connected to the system and the base station will sound an alarm simultaneously.
- The base station will automatically mute after 10 minutes of continuous alarm. After the base station stops the alarm, all devices in the interconnected system will still alarm.
- In the case that the base station powers off and is disconnected from the network, all devices are still interconnected, so when one alarm is triggered, all will go off.
- The volume level of the base station is adjustable. The alarms and base station can be remotely muted through the app. An app push notification will be sent to your phone when the CO concentration drops below the alarm threshold.

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.

1. If the Initiating Unit is Triggered by Smoke:

When one smoke alarm is triggered in the interconnected network, the unit will beep 3 times, paired with the LED that flashes red every 4 seconds. Any other units in the network will follow suit—they will beep 3 times every 4 seconds, paired with the LED flashing red and green in succession.

2. If the Initiating Unit is Triggered by CO:

When one CO alarm is triggered in the interconnected network, the unit will beep 4 times every 5.8 seconds, paired with the LED flashing red. Any other units in the network will follow suit—they will beep 4 times every 5.8 seconds, paired with the LED that flashes red 4 times first, followed by the LED that flashes green once with every beep. When the CO concentration level drops below the alarm threshold, the alarm will cease.

NOTES

- *When one unit is triggered, other interconnected units will sound. If the smoke alarm and CO alarm are triggered in the network at the same time, the alarm signal of the smoke alarm will take priority over that of the CO alarm.*
- *This alarm has a relay function that extends the wireless interconnected network for wide detection coverage.*

Silence Mode

If there is a false alarm, you can temporarily silence it by pressing the test/silence button on the device or tapping the silence button in the app. The LED will flash red 4 times every 5.8 seconds 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 50 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.

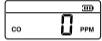
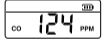
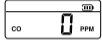
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

1. You can silence all interconnected units by pressing the Test/Silence button on one of the units. If one unit is still alarming, it is the initiating unit (the unit that detected danger); to silence all interlinked units, you must also press the Test/Silence button on the initiating unit.
2. While interconnected, the initiating unit cannot be triggered again during the 9-minute silence duration. However, all other interconnected units can be triggered again if they detect danger during the silence mode.






LCD Display







While detecting CO, the LCD will display different indicators to inform you of the alarm status, as shown below:






Mode	LCD Display	LED Indicator	Audible Alarm	Remarks
Powering On		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.

Standby Mode		The LED indicator flashes green once every 60 seconds.	None.	None.	
Alarm Mode	Unit that detects CO and initiates an alarm.		A CO concentration ranging from 30 to 999 ppm has been present for a certain time period. The blue backlight is lit, and 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. Please refer to "What to Do When the CO Alarm Sounds".
	All other interconnected units in the network.		The LED flashes red and green 3 times sequentially every 4 seconds.	3 long beeps every 4 seconds.	Dangerous smoke concentration is detected by the initiating unit in the network. Please find the initiating unit and take action.

			The LED flashes red 4 times, then the green LED flashes once every 5.8 seconds.	4 quick beeps repeating every 5.8 seconds.	Dangerous CO concentration is detected by the initiating unit, and has reached the alarm status. Please find the initiating unit and refer to "What to Do When the CO Alarm Sounds".
	Unit that detects CO (alarm not initiated).		A CO concentration level ranging from 30 to 999 ppm has been detected, but for less than the allotted detection period. The green LED indicator flashes once every 60 seconds.	None.	Dangerous CO concentration is detected, but has not reached the alarm status. Potentially dangerous CO conditions exist. Please search for the CO source first. Open nearby windows and doors, and immediately move to fresh air.

	Unit that detected CO and initiated an alarm.		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.
Test Mode	Test a single unit.	  	2 sets of 4 red flashes.	2 sets of 4 quick beeps.	<ul style="list-style-type: none"> • Press the Test/Silence button. • Tap the Device Test button in the app (for devices connected to the base station). Peak CO level recorded since the previous reset.
	Test all interconnected units.	 	The LED indicator flashes red rapidly.	Continuous beeping until you release the Test/Silence button.	Initiating alarm. Hold down the Test/Silence button on one unit in the network. Other interconnected alarms in the network.

Peak CO Concentration Indication		The LED indicator flashes green once.	1 beep.	
Peak CO Concentration Reset	 	The LED indicator flashes green once.	1 beep.	The peak CO concentration will be reset with LCD displaying "0."
Silence Mode		The LED indicator flashes red 4 times every 5.8 seconds.	None.	CO silence mode: After 9 minutes, the unit will exit silence mode.
	 	The LED indicator flashes yellow once every 60 seconds.	None.	Silence mode during low battery: After 10 hours, the unit will exit silence mode.

		The LED indicator flashes yellow 3 times every 60 seconds.	None.	Silence mode during the end of the cycle: After 22 hours, the unit will exit silence mode.
		The LED indicator flashes green 3 times.	None.	Exiting silence mode.
Low Battery	 	Display alternates between "Lb" and the current CO level. The LED indicator flashes yellow once every 60 seconds.	1 quick beep every 60 seconds.	The battery must be replaced immediately.
Fault		The LED indicator flashes yellow twice every 60 seconds.	2 beeps every 60 seconds.	Please clean your alarm and see if it is working normally. If "Err" continues to display, the unit has malfunctioned and must be replaced immediately.
End of Life		The LED indicator flashes yellow 3 times every 60 seconds.	3 quick beeps every 60 seconds.	Replace the unit immediately.

Technical Specifications

Power Supply	CR123A or CR2/3A (replaceable battery)
Product Lifespan	10 years
Sensor Type	Electrochemical
Safety Standard	UL 2034
Operating Temperature	4.4–37.8°C (40–100°F)
Operating Relative Humidity	10%–85% RH (non-condensing)
Alarm Loudness	≥ 85 dB at 3 m (10 ft) @ 3.2 ± 0.3 kHz pulsing alarm
Storage and Transport Conditions	-20–60°C (-4–140°F), 5%–95% RH (non-condensing)
Silence Duration	About 9 minutes
Operating Frequency	915 MHz

Maximum Number of Interconnected Units	24 wireless units (only compatible with X-Sense Link+ Pro and Link+ wireless alarms)
Transmission Range	Over 500m (1700 ft) in open air

What to Do When the Alarm Sounds

1. Call emergency services as soon as possible.
2. Immediately move outside and make sure that everyone inside the house has evacuated the area or has access to fresh air. Do not re-enter the house until it has been aired out and your alarm remains under normal condition. If it is not possible to move outside, stay close to an open door/window until emergency service responders arrive.
3. After following steps 1–2 above, if your alarm reactivates within a 24 hour period, repeat steps 1–2 and call a qualified appliance technician to investigate sources of CO from fuel-burning equipment and appliances, and inspect for proper operation of this equipment.
4. If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment that has not been inspected by the technician and consult the manufacturer's 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.

Maintenance

To keep your alarm in good working order, you should adhere to the following steps.

1. Test the alarm once a week by pressing the test/silence button.
2. Vacuum the alarm cover once a month to remove any accumulated dust.
3. Never use detergents or solvents to clean the alarm. Chemicals can 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 unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

▲ WARNING

DO NOT TAMPER WITH THE APPARATUS, AS THERE IS A RISK OF ELECTRIC SHOCK OR MALFUNCTION.

Battery Replacement

Remove the old battery and replace with a CR123A or CR2/3A battery (a Huiderei CR123A or Pairdeer CR2/3A battery is recommended) when the LCD displays the "Lb" message and the LED indicator flashes yellow once every 60 seconds with the buzzer chirping.

After changing the battery, the buzzer will beep once, the LCD backlight will light up, and the LED indicator will flash through 8 cycles (yellow/green/red). Reinstall your alarm and test it by pressing the Test/Silence button.

NOTE: Rechargeable batteries are not recommended for use with this device.

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 horn intensity meets or exceeds current UL standards of 85 dB at a distance of 3 meters (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.

Troubleshooting

PROBLEM	SOLUTION
Your alarm does not sound during testing.	<ul style="list-style-type: none">• Make sure the battery insulating film is removed and the device is turned on.• Make sure you push the test button firmly.• Check the installation positioning. The wireless signal might be blocked or out of range.
The LED flashes yellow once every 60 seconds with one beep.	The battery is low. Replace the battery immediately.
The LED flashes yellow twice every 60 seconds with 2 beeps.	The alarm is malfunctioning. Please clean your alarm and see if it is working normally. If not, replace the device immediately.
The LED flashes yellow 3 times every 60 seconds with 3 beeps.	The maximum lifetime (10 years) is reached. Replace the alarm immediately. If immediate replacement is not possible, you may push the test/silence button once to silence for 22 hours.

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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