

X-SENSE

CO03D-W

Wireless Interlinked Carbon Monoxide Alarm



EN 50291-1:2018

Email: support@x-sense.com

This user manual contains important information regarding the operation of your X-Sense carbon monoxide alarm. Ensure you read this user manual fully before installing and operating the alarm and store it in a safe place for future reference. If you are installing this 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.



WARNING

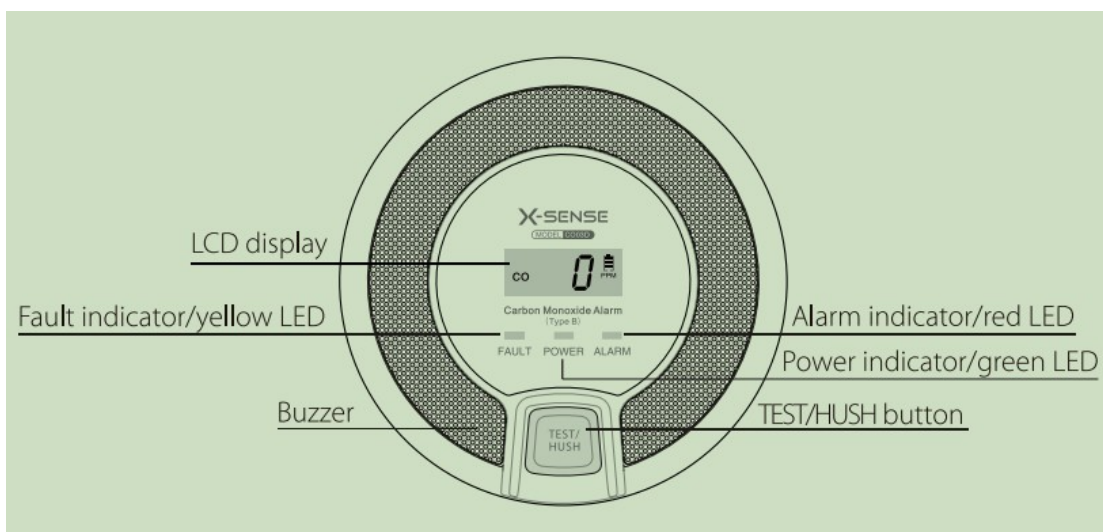
- THE INSTALLATION OF THE APPARATUS SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE AND MAINTENANCE OF FUEL-BURNING APPLIANCES INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.
- THIS APPARATUS IS TO BE INSTALLED BY A COMPETENT PERSON.
- IT IS NOT TESTED FOR USE IN A CARAVAN OR BOAT.

Package Contents



- 1 × CO Alarm
- 3 × 1.5 V AA Batteries
- 2 × Screws
- 2 × Anchor Plugs
- 1 × User Manual

Product Features



- LCD Display
- Fault/Low Battery Indicator (Yellow LED)
- Alarm Indicator (Red LED)
- Power Indicator (Green LED)
- Buzzer
- TEST/HUSH Button

TEST/HUSH Button

The TEST/HUSH button is used to test the unit's electronics and to silence the unit during an alarm. When testing the

alarm (which should be done weekly), 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 Test” section for further information. The alarm will revert back to standby mode after testing.

Note: After the test has begun, the alarm will sound, and the red LED will flash. This does NOT indicate that CO is present. If you press the test button during an alarm state, the unit will enter silence mode.

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:

30 ppm over 120 minutes,

50 ppm for 60–90 minutes,

100 ppm for 10–40 minutes,

and 300 ppm for 0–3 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 red LED will flash 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 yellow LED indicator will flash 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 yellow LED indicator will flash 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.

Battery Installation

1. Twist counterclockwise and remove the mounting bracket from the base of the alarm.
2. Install 3 × 1.5 V AA batteries. When batteries are installed, the unit will beep once and the red, green, and yellow LEDs will flash in sequence. “---,” and “0” will be displayed on the screen with a blue backlight. In 1-2 minutes, the backlight will turn off and the green indicator will flash once every 60 seconds indicating that the device is functioning properly.
3. Reattach the mounting bracket to the alarm by twisting it clockwise.



WARNING

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

How to Set up and Interconnect Wireless Alarms

All X-Sense Link⁺ 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 Link⁺ series contain wireless interlinked smoke alarms, wireless interlinked carbon monoxide alarms, and wireless interlinked combination smoke and carbon monoxide alarms. This model is designed to be wirelessly interlinked with other X-Sense Link⁺ alarms, but is not designed to communicate with wireless interlinked alarms from other manufacturers.

The X-Sense Link⁺ 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⁺ wireless interlinked alarms only.

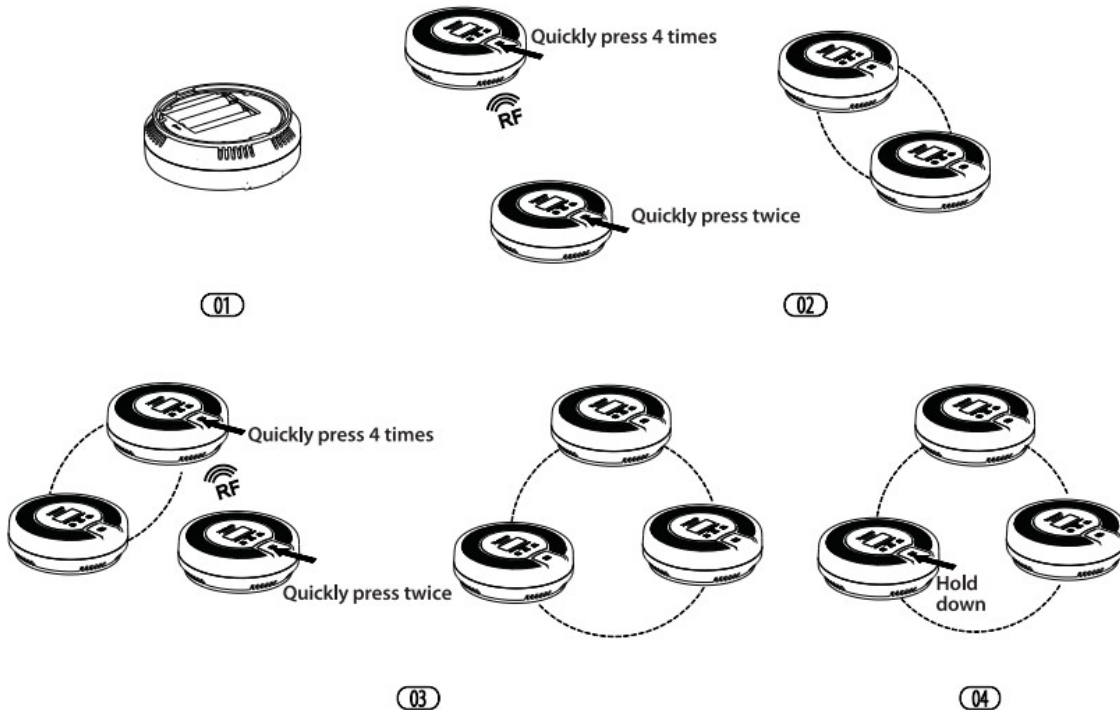
How to Interconnect

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: Install the batteries correctly to turn on CO03D-W. 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/HUSH button** on one of the 2 units 4 times; it will beep once and the red LED will flash slowly, indicating it has entered pairing mode and is waiting for a new unit to be added. Quickly press the TEST/HUSH button on the other unit twice; it will beep once and the red LED will flash 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 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/HUSH button on either of the 2 previously interconnected units 4 times. This unit will beep once, and the red LED will flash slowly, indicating it is ready to add a new device to the network. Next, quickly press the TEST/HUSH button on the new unit twice, and the red LED will flash 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 Test”.



NOTES

1. *The alarm will enter the searching mode or the pairing mode for 60 seconds with the red LED flashing. After 60 seconds, repeat step 2 to connect the alarms. If needed, press the TEST/HUSH button once while the alarm is in the searching mode or the pairing mode, and the red LED will stop flashing 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⁺ wireless interlinked alarms.*

How to Disconnect

Quickly press the TEST/HUSH 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⁺ 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.

Alarm Test

Be sure to test your CO 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 Link⁺ CO03D-W is interconnected to other X-Sense wireless alarms, we recommend that every individual CO alarm be tested during the weekly test.

	Test a single CO alarm	Test all interconnected CO alarms
Action	Press the TEST/HUSH button.	Hold down the TEST/HUSH button.
Indication	• The LCD will turn on and display “---,” “PAS,” and then “0.” • The alarm will emit 2 sets of 4 quick beeps every 5.8 seconds. • The red LED will flash during the audible signal. • After testing, the alarm will automatically enter standby mode.	• The initiating unit will beep continuously with the red LED flashing. • Other interconnected alarms in the network will receive the signal after 5 seconds, then they will beep continuously with the red and green LEDs flashing successively. Release the test/hush button 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: 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.

Installation Positioning

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 alarm 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 and Figure 2):

- If mounted on a wall, the alarm should be installed at a height greater than the height of any door or window, but should be at least 5.9 in (150 mm) below the ceiling.
- If it is mounted on the ceiling, it should be at least 11.8 in (300 mm) from any wall or light fixture.
- The CO alarm should have a horizontal distance between 3.3 feet (1 m) and 10 feet (3 m) 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.
- In rooms with sloped ceilings, the CO alarm should be located at the high side of the room (see Figure 2).

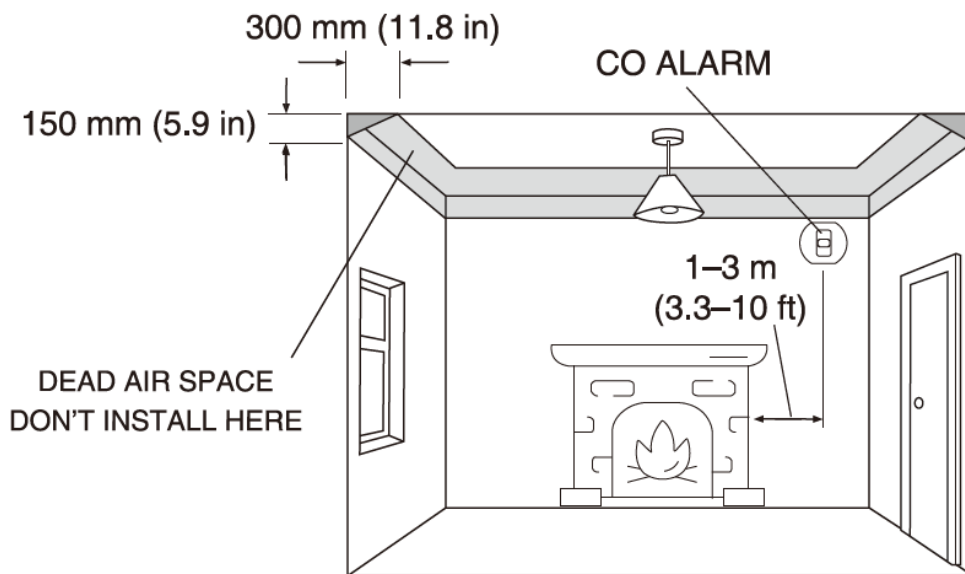


Figure 1: Installation in a room with a fuel-burning appliance

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

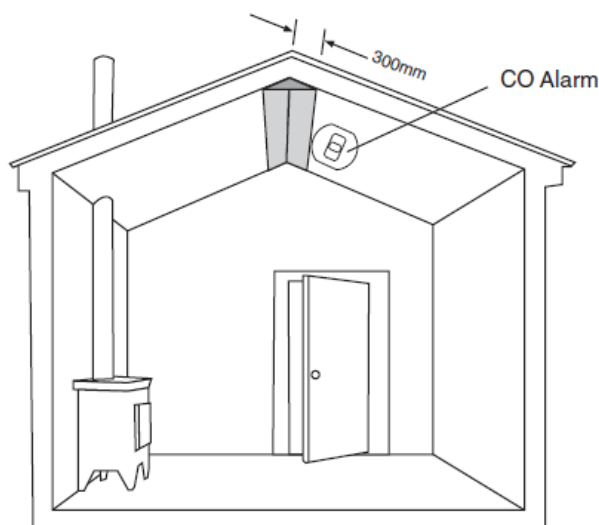


Figure 2

Location in rooms with sloped ceilings,
the CO alarm should be located at the
high side of the room

Figure 1: In rooms with sloped ceilings, the CO alarm should be located at the high side of the room

2. Installing the CO Alarm in a Bedroom or Room Without a Fuel-Burning Appliance (See Figure

3):

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

WARNING: Do not use the CO alarm on an intermittent basis or as a portable detector for the leakage of combustion products from fuel burning appliances or chimneys.

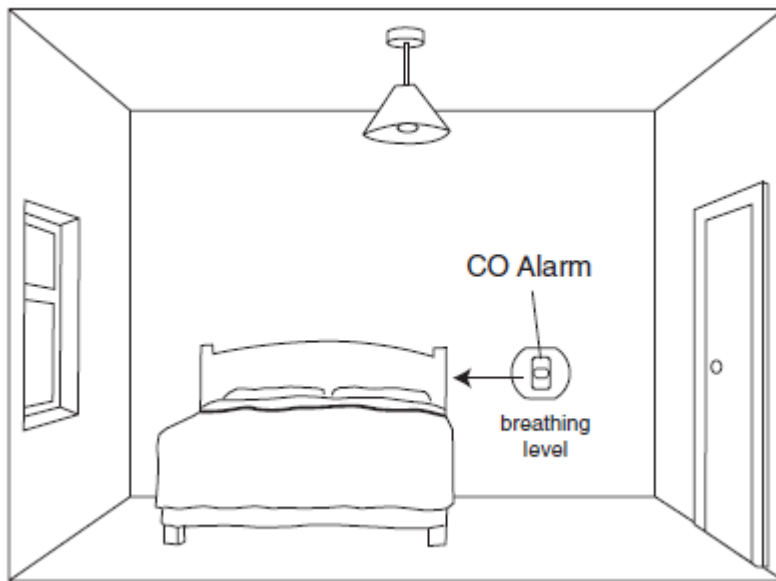


Figure 3: Installation in a bedroom or other rooms without a fuel-burning appliance (installed at head level)

Locations to Avoid

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 5 feet (1.5 m) from potential smoke or fume sources (e.g. stoves, furnaces, water heaters, space heaters) if possible.
4. In areas where a 5-foot (1.5 m) 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 5 feet (1.5 m) of any cooking appliance.
6. In extremely humid areas. This alarm should be at least 10 feet (3 m) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other [sources](#) of high humidity.
7. In areas where the temperature is colder than 40°F (4.4°C) or hotter than 100°F (37.8°C). 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

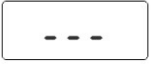
NOTE: Before installation, it is recommended to test the interconnected alarms in the rooms where you intend to install them to ensure that they are within transmission range and that nothing will interfere with their communication.

1. Twist to remove the mounting bracket. Hold the mounting bracket at the installation position with the flat side facing toward the wall and the curved hole at the lower position.
2. Mark 2 screw holes according to the holes on the mounting bracket, then remove the bracket and drill the screw holes to a depth of 1.18 in (30 mm) using a 1/4 in (Ø 6.0 mm) drill bit.
3. Insert the anchor plugs into the holes, then tap them in with a hammer until their heads are flush with the wall.
4. Screw the mounting bracket to the wall using the provided screws or two 0.13 × 0.98 in (3.5 × 25 mm) countersunk screws.
5. Attach the alarm to the mounting bracket and tighten by twisting clockwise.
6. Test the unit by pressing the TEST/HUSH button. Ensure the unit sounds in an alarm pattern.

LCD Display

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

Mode	LCD Display	LED Indicator	Audible Alarm	Remarks
Powering On		Runs through 8 cycles (yellow/green/red indicator) in sequence.	1 quick beep.	Make sure the battery is installed correctly and the device is turned on.

Standby Mode			The green indicator flashes 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 red LED indicator flashes 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 red LED flashes 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".
			The red and green LEDs flash 3 times sequentially every 1.5 seconds.	3 long beeps every 1.5 seconds.	Dangerous smoke concentration is detected by the initiating unit in the network. Please find the initiating unit and take action.
	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 green indicator flashes once every second for 5 seconds.	None.	Alarm cancellation: When the CO concentration level drops below the alarm threshold, the alarm signal will stop.
Test Mode	Test a single unit		2 sets of 4 red flashes.	2 sets of 4 quick beeps.	Press the TEST/HUSH button.

					
	Test all interconnected units		The red LED indicator flashes rapidly.	Continuous beeping until you release the TEST/HUSH button.	Initiating unit. Hold down the TEST/HUSH button on one unit in the network.
			The red and green LEDs flash sequentially.		Other interconnected alarms in the network.
Silence Mode			The red LED indicator flashes 4 times every 5.8 seconds.	None.	CO silence mode: After 9 minutes, the unit will exit silence mode.
			The yellow LED indicator flashes once every 60 seconds.	None.	Silence mode during low battery: After 10 hours, the unit will exit silence mode.
					
			The yellow LED indicator flashes 3 times every 60 seconds.	None.	Silence mode during the end of the cycle: After 22 hours, the unit will exit silence mode.
			The green LED indicator flashes 3 times.	None.	Exiting silence mode.
Low Battery			Display alternates between "Lb" and the current CO level. The yellow LED indicator flashes once every 60 seconds.	1 quick beep every 60 seconds.	The battery must be replaced immediately.
					
Fault			The yellow LED indicator flashes 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 yellow LED indicator flashes 3 times every 60 seconds.	3 quick beeps every 60 seconds.	Replace the unit immediately.
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Alarm Mode

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

1. 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 a red LED flashing indicator. Any other CO3D-W units in the network will follow suit—they will beep 4 times every 5.8 seconds, paired with a red LED that flashes 4 times first, followed by a green LED that flashes once with every beep. When the CO concentration level drops below the alarm threshold, the alarm will cease.

2. 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 a red LED that flashes every 1.5 seconds. Any other CO3D-W units will follow suit—they will beep 3 times every 1.5 seconds, paired with red and green LEDs flashing in succession.

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

Press the test button during an alarm to make the unit enter silence mode. If the CO concentration still exceeds the alarm threshold, the unit will enter another alarm state. Otherwise, the unit will exit the silence mode after 9 minutes and resume normal operation. If the CO concentration is above 300 ppm, the silence function cannot be enabled.

NOTES

- You can silence all interconnected units by pressing the TEST/HUSH 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/HUSH button on the initiating unit.
- 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.

Technical Specifications

Power Supply	3 × 1.5 V AA batteries
Product Lifespan	About 10 years
Sensor Type	Electrochemical
Safety Standard	EN 50291-1:2018
Operating Temperature	40 to 100°F (4.4 to 37.8°C)
Operating Relative Humidity	10-85% RH (non-condensing)
Alarm Loudness	≥ 85 dB at 3.28 ft (1 m)
Storage and Transport Conditions	-4 to 140°F (-20 to 60°C), 5% to 95% RH (non-condensing)
Silence Duration	About 9 minutes
Operating Frequency	868 MHz
Maximum Number of Interconnected Units	24 wireless units (only compatible with X-Sense wireless alarms)
Transmission Range	Over 820 ft (250 m) in open air

NOTES

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. The CO alarm functions between 40 and 100°F (4.4 and 37.8°C). Prolonged exposure to temperatures outside of this range can reduce battery life and affect accuracy. We do not recommend operating the device outside of this range.

What to Do When the CO 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/HUSH 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 batteries and replace with three LR6 AA batteries (Golden Power GLR6A, Duracell MN1500, Gold Peak 15A and Energizer E91 AA alkaline batteries are recommended) when the LCD displays an "Lb" icon and the yellow LED blinks once every 60 seconds with the buzzer chirping. After changing the batteries, reinstall your alarm, and test your alarm by pressing the TEST/HUSH 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 buzzer noise level is over 85 dB at a distance of 3.28 feet (1 meter). 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 an 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.	• Please ensure the batteries are properly installed in the alarm. • Make sure you push the test button firmly. • Check the installation positioning. The wireless signal might be blocked or out of range.
The yellow LED flashes once every 60 seconds with one beep.	The battery is low. Replace the battery immediately.
The yellow LED flashes 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 yellow LED flashes 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/HUSH button once to silence for 22 hours.
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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

X-Sense Innovations Co., Ltd.

Address: B4-503, Kexing Science Park, 15 Keyuan Road, Shenzhen, 518057, CHINA

Email: support@x-sense.com

Product Battery Specifications

Feature	Value
Product Code	ZASXS00145WEU
EAN Code	810194780011
Battery Category	Portable battery of general use
Battery Type	Portable lithium batteries (other than button cell)
Contains Cadmium/Lead (>0.002% Cd, >0.004% Pb)	-
Battery weight net (kg)	0.024
Rated capacity (mAh)	2800
Power (kWh)	0.003