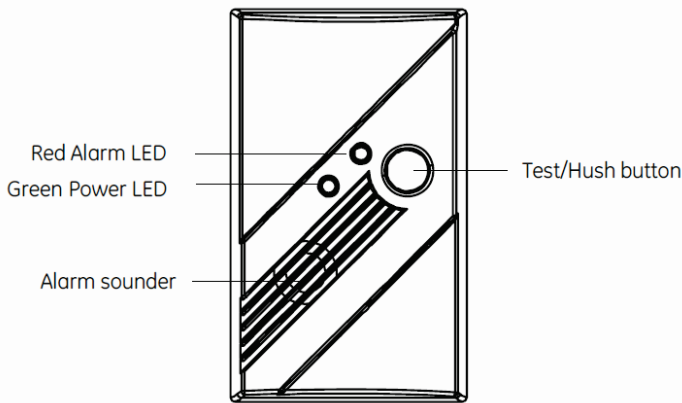


# 263B-CO-OEM

## Carbon Monoxide Alarm

### Product Introduction

This wireless carbon monoxide (CO) Alarm (product) monitors the levels of CO gas and gives early warning when potentially dangerous levels exist. It does not detect fire, smoke, or any other gas. If a dangerous concentration of CO is detected by patented and field-proven electrochemical sensor, an LED indicator illuminates and an internal siren is activated in Temporal 4 pattern. The CO Alarm also transmits an alarm signal to the control panel within 15 seconds of detecting dangerous concentration of CO gas. The control panel activates its internal siren and reports the alarm condition to the central monitoring station (if the system is monitored). The CO Alarm also detects low battery, wall tamper, and sensor end-of-life. These trouble codes are transmitted to the control panel which reports the condition to the central monitoring station. The alarm automatically reset when CO is no longer detected.



This wireless CO Alarm is Listed and compliant with the ANSI/UL 2034 standard for CO Alarms. It is intended for residential indoor dwelling unit applications and other areas approved by the authority having jurisdiction (AHJ). It is not intended for use in industrial applications.

This wireless product works in conjunction with your wireless Control Panel, providing a local indication. Refer to the panel installation instructions for revision verification details. Please contact Technical Support for any questions regarding compatibility.

### About This Guide

This User Guide describes how to install, the operation and maintenance of this product. The User Guide is organized as you intent to use this product with step by step instructions.

Keep this document in a handy location and refer to it when you have questions about this product and its functions and features. Reading this guide is the only way to learn how to use your product wisely and to know how to react in the event of an alarm.



**Attention:** Please take a few minutes to thoroughly read this guide which should be saved for future reference and passed on to any subsequent owner.

### 1. General Information

Congratulations on purchasing your Carbon Monoxide Alarm. This product is designed to be used with a Control Panel as part of the Life Safety signaling device. This product has a chemical CO sensor

capable of detecting CO gases in the event of dangerous CO gas exposure.



**WARNING:** After seven years from initial power up, this alarm will beep two times every 30 seconds to indicate that it is time to replace the alarm. Replace the alarm immediately! It will not detect CO in this condition.

To help identify the date to replace the alarm, an area has been reserved on the side of the alarm. Write the "replace by" date (seven years from power up) with a permanent marker in the area provided.

### Parts List

- One Carbon Monoxide Alarm
- Three AA alkaline batteries
- Mounting Plate
- Mounting Screws and Anchors
- User Guide

### 2. Mounting Guideline

This product is a member of a reliable, high-quality product family using the latest technology available. Review the information in this section to ensure you get the most out of the product.

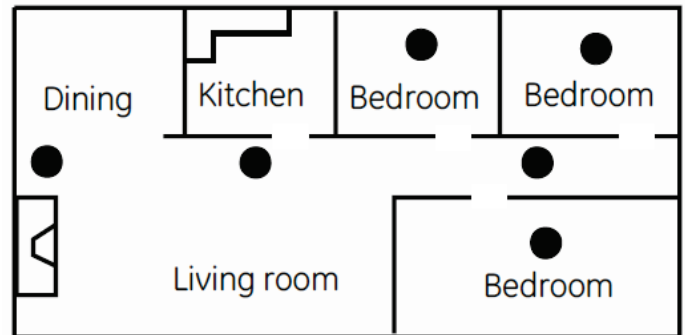
#### Choosing an Installation Location

CO Alarms should be mounted in or near bedrooms and living areas. We recommend that you install an alarm on each level of your home.

When choosing your installation locations, make sure you can hear the alarm from all sleeping areas. If you install only one CO Alarm in your home, install it near bedrooms, not in the basement or furnace room.

Place the alarm out of reach of children. Under no circumstances should children be allowed to handle the CO Alarm.

#### Recommended locations



#### 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 install in kitchens, garages, or furnace rooms that may expose the sensor to substances that could damage or contaminate it.
- 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 crawl spaces, attics, porches, and garages.
- Do not install within 5 ft. of heating or cooking appliances. (We recommend 15 ft. to prevent nuisance alarms.)

- Do not install near vents, flues, chimneys, or any forced/unforced air ventilation openings.
- Do not install on metal surfaces.
- Avoid mounting in areas with a large quantity of metal or electrical wires.
- Do not install near ceiling fans, doors, windows, or areas directly exposed to the weather.
- Do not install in dead air spaces, such as peaks of vaulted ceilings or gabled roofs, where CO may not reach the sensor in time to provide early warning.
- Do not install near deep-cell large batteries. Large batteries have emissions that can cause the alarm to perform at less than optimum performance.
- Do not obstruct the vents located on the alarm. Do not place the alarm where drapes, furniture, or other objects block the flow of air to the vents.

### 3. Mounting the Sensor

**Note:** Add the product to the Control Panel before physically mounting the product in the desired location. This verifies RF performance prior to permanently mounting the alarm. See "RF communication test".

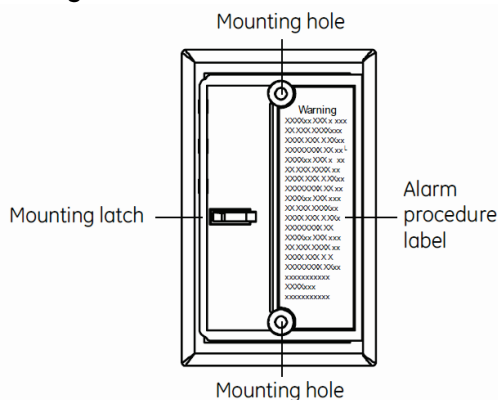
The CO Alarm can be wall mounted or ceiling mounted.

#### To mount the alarm:

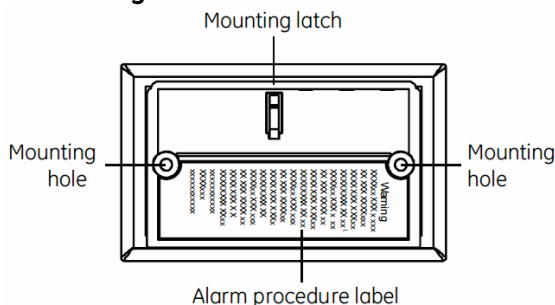
- Slide the product body off of the mounting plate. Place the mounting plate in the desired location, and mark the location of the two mounting holes. Orient the mounting plate vertically or horizontally as shown in the following figures.

**Note:** The product can also be directly mounted to a single gang box.

#### Vertical Mounting



#### Horizontal Mounting



- Insert the two screws provided and secure the mounting plate to the wall or ceiling surface. (If mounting in plasterboard or

drywall, drill a 3/16 in. hole and use the plastic anchors provided.)

- After the mounting plate is secured, slide the alarm over the mounting plate (see Figure 4 on page 2).

#### Important labels provided

Two labels have been provided that have important information on what to do in case of an alarm. Add the phone number of your emergency service provider in the space provided. Place one label next to the alarm after it is mounted, and one label near a fresh air source such as a door or window.

### 4. Basic Operations

This product is equipped with an intuitive normal mode operation. Since the batteries are pre-installed, remove the battery pull tab to turn ON power. The product shall search for a networked control panel to pair with. During this time, Search Mode, the RF wireless module transmits every ~ 5-seconds. Not pairing or enrolling into a control panel within minutes of initial power up, places a large drain the batteries. Failure to complete pairing results in dead batteries after 2-3 days time passes.

#### Normal Mode Operation

- In normal operation, the green Power LED flashes once every 30 seconds.
- In alarm mode, the red Alarm LED flashes with four quick beeps, 5-seconds silence and repeat.
- In trouble or maintenance mode, the red Alarm LED flashes once every 30 seconds with one audible chirp.
- In low battery mode, the red Alarm LED flashes once every 60 seconds with one quick beep until the batteries are replaced. Press the Test/Hush button to silence the audible chirp for between 8-11 hours.

**Note:** the modes can be viewed from the Control Panel.

#### Silence the Alarm

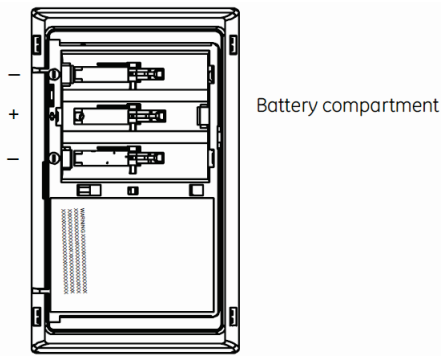
Press the Test/Hush button to silence the sounder during an alarm. After a few minutes, the sounder and alarm resume if dangerous CO gas levels are still present.

### 5. Installing / Replacing Battery

This product comes with three battery preinstalled. When you need to replace the battery, use the following procedure.

**Note:** Place the control panel into sensor test mode prior to replacing the batteries. If the control panel is not in sensor test mode during battery replacement, an alarm/tamper condition may be indicated.

- Slide the product body off of the mounting plate.
- If replacing batteries, remove the old batteries and properly dispose of them as recommended by the battery manufacturer.
- Install the new batteries. Note the polarity illustration in the battery compartment (see Figure 3 below).

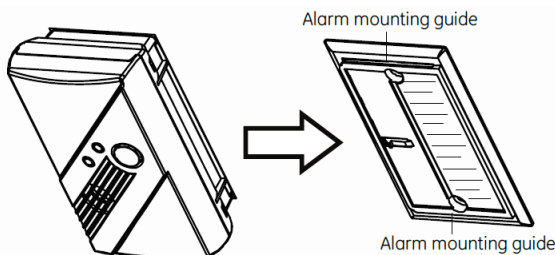


Battery compartment

D. Slide the product body back onto the mounting plate.

**Note:** The mounting plate will not close if all three batteries are not installed.

### Sliding the alarm on the mounting plate



E. Perform a sensor/RF test with the control panel. See “RF communication test”.

When replacing the batteries, use one of the following approved brands:

- o Duracell MN1500 or MX1500
- o Energizer E91

**Note:** Use of a different battery may have a detrimental effect on the alarm operation. Constant exposures to high or low humidity may reduce battery life.

After installing or changing the batteries, reinstall your product. Test your product by checking the green Power LED flashes once every 30 seconds and using the Test/Hush button to create an alarm condition.

## 6. Adding to the Control Panel

Each product is programmed with a unique ID when manufactured. The unique ID is enrolled into the control panel at the time of installation, allowing the detector to communicate with that specific control panel.

- A. Log in to the Settings app with an Installer code.
- B. In the Settings menu, tap Sensors & Zones > Add a Sensor/Zone.
- C. Place the product in Search mode and prepare it to be added to the control panel (refer to the installation documentation for your sensors). Available sensors meet the following requirements:
  - o Defaulted.
  - o Not currently paired with another control panel device.
  - o Currently in Search mode.
- D. At the Locating Wireless Sensors screen, tap Next. A Done button appears on the screen and the control panel searches for sensors

that are available to be added. As sensors are found, a grayed icon appears for that sensor.

- E. Fault each found sensor to pair it to the control panel. The icon for each sensor is undarkened as it is faulted and the control panel beeps. The sensor is paired to the control panel.
- F. When all the sensors are found and paired, tap Stop. Any located sensors that were not paired are released by the control panel and can be added later. The Wireless Sensors Located screen shows the number of wireless sensors found and paired.
- G. Tap Next. The Configure Wireless Sensors screen shows icons of the sensors that were found and paired.
- H. Touch each sensor icon to configure the corresponding product. The Add Sensor/Zone Modify screen appears.
- I. To change the product Icon (if multiple options are available), tap the currently selected value.
- J. Tap Next. The Add Sensor/Zone Modify screen appears.
- K. To modify a text field on the control panel, tap the field, use the onscreen keyboard to enter your changes, and tap Done to save your changes.
- L. When all sensors are configured properly, tap Next in the Configure Wireless Sensors screen.
- M. If all of the sensors have not been configured, the Modify screen appears for each sensor to let you review its details. Change the details as needed or tap Next to cycle through all the sensors. The sensors are marked as configured.

## 7. Testing the Product

This product may be tested during install or at anytime. It is recommended the product be tested in place annually. This product is sealed. The cover is not removable.



**WARNING:** The control panel must be placed into sensor test mode while conducting any tests. Placing the control panel into sensor test mode for all testing helps to protect against false alarms and unintentional central station reporting.

Due to the loudness of the alarm, we suggest that you place your fingers over the sounder vent while testing your alarm.



**Caution:** Continuous exposure to the high sound level of this alarm over an extended period of time may cause hearing loss.

This product provides three test modes:

- o **Normal CO Alarm Test.** Conducts an internal self test and tests the sounder.
- o **RF Communication Test.** Tests the communication path with the control panel.
- o **CO Alarm Functional Gas Test.** Tests the functional operation of the CO sensing element.

### Normal CO Alarm Test

- A. Wait at least 10 minutes after installation to test the CO Alarm.
- B. Make sure the green Power LED is flashing for normal operation.
- C. Set the control panel to sensor test mode.
- D. Press and hold the Test/Hush button until the unit beeps once (approximately 1 second), and then release the button. If the unit

is operating properly, you will hear four quick beeps, followed by 5 seconds of silence, followed by four quick beeps.

- E. At the control panel, exit sensor test mode.

This test mode does not test communication with the control panel. You will receive a "Sensor Test Fail or Abort" message when the control panel exits sensor test mode.

### RF Communication Test

This section provides general guidelines for testing the product with the control panel. For complete testing details, refer to the specific control panel documentation.

- A. Be sure the product is in normal operation with the green Power LED is flashing once every 30 seconds.
- B. Wait at least 10 minutes after installation to test.
- C. Set the control panel to sensor test mode to prevent an alarm signal from being sent to the central-monitoring station if you have a monitored system.
- D. To generate a test alarm, press and hold Test/Hush button for ~ 5 seconds and then release. If the product is operating properly, you will hear four quick beeps. An alarm message is sent to the control panel. To generate a tamper alarm, remove the product from the mounting plate. A tamper alarm message is sent to the control panel.
- E. The control panel beeps and shows the number of RF packets received.
- F. At the panel, exit sensor test mode.

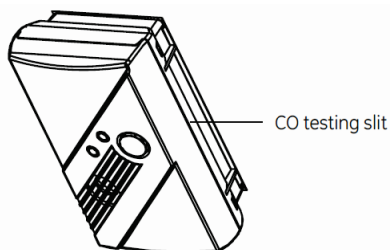
### CO Alarm Functional Gas Test

This step should only be performed by a qualified service technician. Consult the most recent version of NFPA 720 for more information regarding the requirement for functional testing of CO alarms and/or your Local Authority Having Jurisdiction (AHJ).

A canned CO testing agent must be used for the CO functional gas test.

- A. Wait at least 10 minutes after installation to test the CO Alarm.
- B. Make sure the green Power LED is flashing for normal operation.
- C. Set the control panel to sensor test mode.
- D. Press and hold the Test/Hush button until the unit beeps three times (approximately 10 seconds), and then release the button. The unit will enter the functional gas test mode. The Power LED will blink once per second while in functional test mode.
- E. Apply UL approved CO test agent to the slit as shown in Figure 7 below. When CO is detected, the unit will activate a CO Alarm. The unit will send RF test packets to the control panel when the CO Alarm is activated.

CO Testing Slit



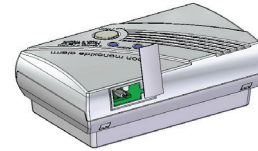
- F. The control panel will beep and display the number of RF packets received.

- G. At the control panel, exit sensor test mode.
- H. Exit functional gas test mode:
- I. Press and release the Test/Hush button; or A 2 minute timeout will automatically cause the CO to return to normal operating mode.

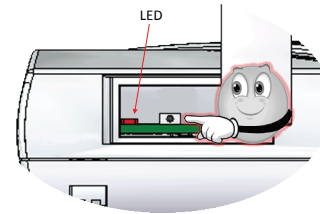
### 8. Defaulting the Detector

This step should only be performed by a qualified service technician.

- A. Remove the product from the mounting plate.
- B. Remove the three batteries.
- C. Remove the access door on product's top cover.



- D. Press the enrollment switch in the RF circuit inside the product and hold until you replace the batteries.



- E. Replace the batteries while still pressing the enrollment switch then release the switch. The RF Module LED flashes three times to signal the detector is not paired with a control panel.
- F. Remove the batteries and install the top cover.

### 9. Viewing Zone Event History

To view event history:

- A. Tap the Security widget on the Home screen.
- B. Tap the History tab. The Zone Event History shows the event history.

### 10. Disabling Zones

The system can bypass a zone, so the zone is not monitored when the system is armed. This is useful when a sensor is being repaired. You can only change the Bypass state of a zone when the system is disarmed.

The system continues to log the activity of bypassed zones in the Event History (see "View Zone Event History," above).

To bypass a zone:

- A. With the system disarmed, tap the Security app on the Home screen.
- B. Tap the Turn Zone Off button for the smoke alarm. The Turn Zone Off button changes to Turn Zone On.
- C. When the system is disarmed, the Security Status header shows that some zones have been bypassed.

## 11. Deleting the Product from the Control Panel

Deleting a sensor from the premises removes it from being monitored by the customer's system. This is not the same as disabling (bypassing) a sensor. You should delete a sensor only:

- If the product is being removed from the premises
- To reset the product to factory default settings by deleting the product and re-adding it immediately.

To delete a product from the system:

- Contact Customer Care to obtain the Premise Passphrase for the current customer account.
- Perform steps A through D in Step 6, "Adding to the Control Panel."
- When the Technician Settings menu appears, select Sensors & Zones > Delete a Sensor/Zone. The Premise Passphrase keyboard appears.
- Enter the Premise Passphrase and click Done. The currently installed sensors/security zones appear.
- Tap the zone you want to delete and follow the instructions provided by the Control Panel to delete the sensor and security zone from the current system.

## 12. Maintenance

This product is design for a long service life of 10-years. Even though the control panel indicates when to service this product, several annual and random/as required checks are recommended.

- Weekly - CO Alarm Test once a week
- Annual - CO Alarm Functional Gas Test
- Random - visual check for green Power LED flashing every 30 seconds
  - Wireless Signal Strength

The control panel indications are Trouble and Low Battery.

- Trouble - the product has an internal fault, which requires technical service.
- Low Battery - batteries are low and must be replaced to maintain proper operation.

### In General

To keep your alarm in good working order:

- Vacuum the product cover once a month to remove accumulated dust.
- Never use detergents or solvents to clean the product. Chemicals can permanently damage or temporarily contaminate the sensor.
- Avoid spraying air fresheners, hair spray, paint, or other aerosols near the product.
- Do not paint the product. Paint will seal the vents and interfere with proper sensor operation.
- Move the product to a remote location, to prevent possible damage or contamination of the sensor, prior to performing any of the following:
- Staining or stripping floors or furniture, painting or wall-papering.
- Using aerosols or adhesives.



**WARNING:** Reinstall the product as soon as possible to assure continuous protection.

- The following is a list of substances that at high levels can damage the CO sensor or cause temporary readings that are not CO readings:
  - Ethylene, ethanol, alcohol, iso-propanol, benzene, toluene, ethyl acetate, hydrogen, hydrogen sulfide, and sulfur dioxide.
  - Also most aerosol sprays, alcohol-based products, paint, thinner, solvent, adhesive, hair spray, after shave, perfume, auto exhaust (cold start), and some cleaning agents.

### Wireless Signal Strength

After adding the product to the control panel and installing this product, test the signal strength between the control panel and its added sensors/security zones:

- Be sure steps A through D in Section 6, "Adding to the Control Panel" have been performed.
- When the Technician Settings menu appears, select Sensors & Zones > Sensor Diagnostics.
- When the currently installed sensors/ security zones appear, tap the zone you want to test for connectivity and follow the instructions from the control panel.

The Sensor Diagnostic for <Security Zone name> appears as the system detects the current signal strength between the selected sensor and the control panel.

### Trouble

Refer to Section 13 for trouble shooting guidance.

### Low Battery

Replace the batteries per Section 5 - Installing / Replacing Battery.

## 13. Troubleshooting

### Product does not power up properly or reports low battery

- Be sure the battery is fully seated within the battery compartment and the polarity is correct.
- Check the battery voltage (1.5 VDC nominal).

### Control Panel does not respond

- Use a wireless RF Sniffer to confirm that the product is sending messages for activation.
- Be sure the product is enrolled into the control panel properly.
- Be sure you are using a compatible control panel.

### Tamper condition does not restore

- Be sure the product is installed properly onto the mounting plate and the mounting plate has a magnet.
- Be sure there are no trouble indications at the detector.
- Be sure you are using a compatible control panel.

### If a tamper alarm occurs

- Be sure you are using a compatible control panel.
- Be sure the control panel is in sensor test mode during sensor testing.

### Alarm/open condition does not restore

- Be sure the smoke or heat has cleared at the product.
- Be sure you are using a compatible control panel.

## Operation Characteristics

	LED Display	Alarm Sound	Units Status	Control Panel Status	Recommendation
Normal operation	Green Power LED flashes every 30 seconds.	None.	Normal DC operation (sensing no CO) and with good batteries.	Normal operating condition.	None.
Carbon monoxide alarm	Red Alarm LED flashes with beeps.	Four quick beeps, 5 seconds silence, repeating.	Alarm condition. Dangerous concentrations of CO detected.	Alarm condition.	None.
Low battery / low battery hush	Red Alarm LED flashes every 60 seconds.	One quick beep every 60 seconds.	Batteries need to be replaced.	Trouble condition, trouble beeps every 60 seconds.	Replace all three AA batteries. Press Test/Hush button and release. This will silence the low battery audible chirp between 8 and 11 hours allowing for a more convenient time to replace the batteries.
Alarm end-of-life indicator	Red Alarm LED flashes two times every 30 seconds.	Two quick beeps every 30 seconds.	End of CO Alarm life.	Trouble condition, trouble beeps every 60 seconds.	Press the Test/Hush button and release. This will silence the end-of-life signal for up to three days. After three days, the unit will resume end-of-life chirps. Hush mode will silence the alarm ten times or up to 30 days. After 30 days, the unit can no longer be hushed. Replace the CO Alarm immediately. The unit will not respond to CO.
Trouble/service alarm	Red Alarm LED flashes every 30 seconds.	One quick beep every 30 seconds.	Unit is in trouble condition.	Trouble condition, trouble beeps every 60 seconds.	Replace batteries. If condition continues, unit has malfunctioned. Replace immediately. Unit will not respond to CO.
Error condition	Red Alarm LED constantly on.	Constant alarm.	Very low battery or unit malfunction.	Trouble condition, trouble beeps every 60 seconds.	Replace batteries. If condition continues, unit has malfunctioned. Replace immediately. Unit will not respond to CO.
Test mode	Red Alarm LED flashes with beeps.	Four quick beeps, 5 seconds silence, repeated once.	Normal operation when Test/Hush button is pressed.	Sensor test mode	CO not detected. Alarm for test purposes only.
Tamper	Red Alarm LED flashes every 30 seconds.	One quick beep every 30 seconds.	Unit is in tamper condition.	Trouble condition, trouble beeps every 60 seconds.	Place alarm body back onto mounting plate. If condition continues, unit has malfunctioned. Replace immediately.

## 14. Specifications

Compatible panels	-
Power	Three AA battery
Battery type	1.5 VDC Alkaline Duracell MN 1500 or MX 1500, Energizer E91
Standby Current	35 $\mu$ A (typically)
Battery Life	5 years (typically)
Sensor Life	10 years
Alarm Response Time	70 PPM = 60-240 min. 150 PPM = 10-50 min. 400 PPM = 4-15 min.
Audible alarm	85 dBa @ 10' (3M) temporal 4
Low Battery Beep	1 every 60 seconds.
RF Wireless Frequency	2.4 GHz
Weight w/battery	0.20 lbs / 0.09 kg
Dimensions	5.6" x 2.4" (14.2cm x 6.1cm)
Storage temperature	-4 to 140°F (-20 to 60°C)
Operating environment	40 to 100°F (4.4 to 37.8°C)
Relative Humidity	10 to 95% non-condensing

## 15. Regulatory Information

Manufacturer: UTC Fire & Security

### WEEE Directive

2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).



### RoHS Directive

2002/95/EC RoHS Compliant. Hereby, UTC Fire & Security declares that this product does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) in more than the percentage specified by EU directive 2002/95/EC, except exemptions stated in EU directive 2002/95/EC annex.

### UL Rating

ANSI/UL 2034 Recognized

### FCC Compliance

FCC ID: QPY-263XCO-Z  
IC: 8303B-263XCO-Z

The device complies with part 15 of the FCC Rules as well as Industry Canada Rules and Regulations license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Conformité Réglementaire

Ce dispositif est conforme à la réglementation de la IC et (Partie 15) de la FCC. Son fonctionnement est soumis à deux conditions : (1) ce dispositif ne doit pas causer d'interférences nuisibles, et (2) ce dispositif doit accepter toute interférence reçue, y compris les interférences pouvant entraîner des conditions de fonctionnement indésirables.



**WARNING:** Changes to Section 15 – Regulatory Information is strictly prohibited. Any changes or modification made to the product without the permission of the manufacturer could void the user's authority to use this product.

## 16. Information about Carbon Monoxide

Carbon monoxide is a colorless, odorless, and tasteless poison gas that can be fatal when inhaled. CO inhibits the blood's capacity to carry oxygen.

Periodically review this alarm manual and discuss your CO Alarm emergency procedure with all members of your family. Never ignore a CO Alarm. A true alarm is an indication of potentially dangerous levels of CO. CO Alarms are designed to alert you to the presence of CO before an emergency - before most people would experience symptoms of CO poisoning, giving you time to resolve the problem calmly.

Determine if anyone in the household is experiencing symptoms of CO poisoning. Many cases of reported CO poisoning indicate that while victims are aware they are not well, they become so disoriented they are unable to save themselves either by exiting the building or calling for assistance. Also, young children and household pets may be the first affected. You should take extra precautions to protect high-risk persons from CO exposure because they may experience ill effects from CO at levels that would not ordinarily affect a healthy adult.

### Symptoms of CO poisoning

The following common symptoms are related to CO poisoning and should be discussed with ALL members of the household:

- **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, cardio-respiratory failure, death.

If you experience even mild symptoms of CO poisoning, consult your doctor immediately.

### Conditions that can produce carbon monoxide

- 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.
- Extended operation of unvented fuel burning devices (range, oven, fireplace, etc.).
- Temperature inversions which can trap exhaust gasses near the ground.
- Car idling in an open or closed attached garage, or near a home.

### What CO alarms can and cannot do

CO Alarms provide early warning of the presence of CO, usually before a healthy adult would experience symptoms. This early warning is possible however, only if your CO Alarm is located, installed, and maintained as described in this manual.

Because carbon monoxide is a cumulative poison, long-term exposures to low levels may cause symptoms, as well as short-term exposures to high levels. This unit has a time-weighted alarm; the higher the level of CO present, the sooner the alarm will be triggered.

This CO Alarm can only warn you of the presence of CO. It does not prevent CO from occurring, nor can it solve an existing CO problem. If your unit has alarmed and you've provided ventilation by leaving your windows and doors open, the CO buildup may have dissipated by the time help responds. Although your problem may appear to be temporarily solved, it is crucial that the source of the CO is determined and that the appropriate repairs are made.

CO Alarms have limitation. Like any other electronic device, CO Alarms are not fool-proof. CO Alarms have a limited operational life. You must test your CO alarm weekly, because it could fail to operate at any time.

If your CO Alarm fails to test properly, or if its self-diagnostic test reveals a malfunction, immediately have the unit replaced. This alarm will not monitor CO levels while in a trouble condition.

CO Alarm can only sense CO that reaches the unit's sensor. It is possible that CO may be present in other areas without reaching the alarm. The rate and ability with which CO reaches the alarm may be affected by:

- Doors or other obstructions.
- Fresh air from a vent, an open window, or other source.
- CO being present on one level of the home and not reaching a CO Alarm installed on a different level. (For example, CO in the basement may not reach an alarm on the second level, near the bedrooms).

For these reasons, we recommend you provide complete coverage by placing a CO Alarm on every level of the home.

CO Alarms should not be used to detect the presence of natural gas (methane), propane, butane, or other combustible fuels.

Instruct children never to touch or otherwise interfere with the alarm. Warn children of the dangers of CO poisoning.

### Important warning statements

This carbon monoxide alarm is designed to detect carbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas.



**WARNING:** Carbon monoxide alarms are not smoke alarms. This carbon monoxide alarm is not a substitute for installing and maintaining an appropriate number of smoke alarms in your home. This CO alarm will not sense smoke, fire, or any poisonous gas other than carbon monoxide even though carbon monoxide can be generated by fire. For this reason you must install smoke alarms to provide early warning of fire and to protect you and your family from fire and its related hazards.



**Caution:** This alarm will only indicate the presence of carbon monoxide at the sensor. Carbon monoxide may be present in other areas.



**WARNING:** 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. It is not suitable for installation in hazardous locations as defined in the National Electric Code. The installation of this device should not be used as a substitute for proper installation, use and maintenance of fuel burning appliances, including appropriate ventilation and exhaust systems. It does not prevent CO from occurring, nor can it solve an existing CO problem.



**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. Individuals with medical problems may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 PPM.

This carbon monoxide alarm requires a continuous supply of electrical power - it will not work without power.

This alarm has not been investigated for carbon monoxide detection below 70 PPM.

#### Carbon Monoxide Alarm Procedure

**WARNING:** Activation of the CO Alarm indicates the presence of Carbon Monoxide (CO) which can kill you.

- 1) Operate the Test/Hush button;
- 2) Call your emergency services (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 the alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician to investigate sources of CO from fuel burning equipment and appliances, and to inspect for proper operation of 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 manufacturer's instructions, or contact the manufacturer's directly for more information about CO safety and the equipment. Make sure that motor vehicles are not, or have not been, operating in a garage attached or adjacent to the residence.

**Never restart the source of a CO problem until it has been corrected. Never ignore the sound of the alarm!**

**If the alarm is sounding, pressing the test/hush button will terminate the alarm. If the CO condition that caused the alert in the first place continues, the alarm will reactivate. If the unit alarms again within six minutes, it is sensing high levels of CO which can quickly become a dangerous situation.**

### Limited Warranty

Kidde is a brand of UTC Fire & Security. The manufacturer warrants this product (except batteries) to be free from defects in material and

workmanship under conditions of normal use for a term of 3 years from the date of manufacture.

During the warranty period, if a UTC Fire & Security product or any of its components becomes defective, it will be repaired or replaced without charge.

Out-of-warranty units will be repaired at the discretion of the manufacturer or, if not, a card will be forwarded to the customer suggesting a replacement unit and the cost of that unit.

This warranty does not apply to units which have been subject to abuse, misuse, negligence or accident, or to which any modifications, alterations or repairs have been made or attempted.

This warranty is extended only to the original purchaser of the smoke alarm and may be enforced only by such person. During the warranty period, if the alarm or any warranted components thereof becomes defective, it will be replaced or repaired without charge at the manufacturer's discretion if returned in accordance with the following instructions:

Obtain a Return Authorization Number by calling the number below, then carefully pack it in a well padded and insulated carton and return, postal charges prepaid to:

This product is manufactured by Kidde Safety, a UTC Fire and Security Company, 1016 Corporate Park Drive, Mebane, NC 27302.

Return units to: UTC – Climate, Controls & Security  
325 N Main St  
Pittsfield, ME 04967  
Phone: 1-207-487-3104

A note should be included advising the nature of the malfunction. Care must be exercised in the proper packing of alarms returned under this warranty as UTC Fire & Security will not be responsible for warranty repairs to equipment damaged because of improper packing.

The above warranty is in lieu of all other express warranties, and implied warranties of merchantability and fitness for a particular purpose are limited in duration for a period of THREE years from the date of manufacture. Under no circumstances shall manufacturer be liable to the purchaser or any other person for incidental or consequential damages of any nature, including without limitation damages for personal injury or damages to property, and however occasioned, whether alleged as resulting from breach of warranty by manufacturer, the negligence of manufacturer or otherwise. Manufacturer's liability will in no event exceed the purchase price of the product. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. Unless a longer period is required by applicable law, any action against manufacturer in connection with this smoke alarm must be commenced within one year after the cause of action has occurred.

No agent, employee or representative of the Manufacturer nor any other person is authorized to modify this warranty in any respect. Repair or replacement as stated above is the exclusive remedy of the purchase hereunder. This warranty gives you specific legal rights and you also have other rights which vary from state to state.