Model CO250 CONFORMS TO **UL STD 2034**

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IMPORTANT! PLEASE READ CAREFULLY AND SAVE This user's manual contains important information about your Carbon Monoxide Alarm's operation. If you are installing this CO Alarm for use by others, you must leave this manual —or a copy of it—with the end user.

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INTRODUCTION

BASIC SAFETY INFORMATION

IMPORTANT!

- Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations. Pay special
- THIS IS NOT A SMOKE ALARM! This CO Alarm is designed to detect carbon monoxide from ANY source of combustion. It is NOT designed to detect to detect smoke, fire, or any other gas.
- This CO Alarm is approved for use in single-family residences It is NOT designed for marine use.

properly, it cannot alert you to a problem.

ACAUTION! This CO Alarm will only indicate the presence of carbon monoxide gas

- The Silence Feature is for your convenience only and will not correct a CO problem. Always check your home for a potential problem after
- NEVER ignore your Carbon Monoxide Alarm if it alarms. Refer to 'If Your CO Alarm Sounds" for more information. Failure to do so

any alarm. Failure to do so can result in injury or death

- can result in injury or death. Test the CO Alarm once a week. If the CO Alarm ever fails to test correctly, have it replaced immediately! If the CO Alarm is not working
- This product is intended for use in ordinary indoor locations of family living units. It is not designed to measure CO levels in compliance with Occupational Safety and Health Administration (OSHA) comme cial or industrial standards. Individuals with medical conditions tha may make them more sensitive to carbon monoxide may conside using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm. For additiona information on carbon monoxide and your medical condition contact

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interferen

radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that of
- Consult the dealer or an experienced radio or TV technician for help

Warning: Changes or modifications to the product, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate

This device complies with Part 15 of the ECC Rules. 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

HOW YOUR CO ALARM WORKS

GENERAL INFORMATION

AWARNING!

This CO Alarm does not operate without working batteries. Removing the batteries, or failure to replace them at the end of their service life, removes your protection.

A CO Alarm measures the CO levels in the air. It will alarm if CO levels rise is consistently present (a slow CO leak on a fuel-burning appliance). This Carbon Monoxide Alarm features a permanently installed sensor and an 85 dB alarm horn. It also has a silence feature to temporarily quiet the alarm

UNDERSTANDING YOUR CO ALARM

WELCOME CHIRP

Horn chirps and light blinks once when batteries are first connected.

ALARM RECEIVING BATTERY POWER Light flashes every minute. Horn is silent

LOW BATTERY WARNING The light continues to flash (RED) and the horn also "chirps" once every

minute. This warning should last for up to 7 days, but you should replace the batteries as soon as possible. DURING TESTING

Light flashes Red with the horn pattern (4 beeps, pause, 4 beeps), simulating a CO Alarm condition.

CO ALARM

Sensor has detected enough CO to trigger an alarm. Light flashes rapidly and horn sounds loudly (repeating 4 beeps, pause). See "If Your CO Alarm Sounds" for details. During an alarm, move everyone to a source of fresh

CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL)

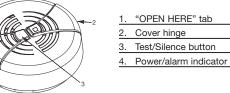
The light flashes (RED) and the horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced.

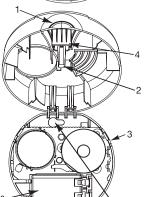
CO ALARM HAS REACHED ITS END OF LIFE

The light flashes (RED) and the horn sounds 5 "chirps" every minute. CO Alarm needs to be replaced.

HOW TO INSTALL THIS CO ALARM

THE PARTS OF THIS ALARM





Cover Open 1. "Open Here" Test/Silence button

CO alarm base . "No Battery" tab Mounting slots 6. Install 9V battery here

This unit is designed to be mounted on the ceiling, o on the wall if necessary.

Locking pin slot

Tools you will need

PencilHammer • Drill with 3/16" (5 mm) drill bit Standard flathead screwdrive

To lock/unlock the cover to the bas

1. Using needle-nose pliers or a utility knife, detach locking pin from back of alarm base

LOCKING FEATURE

- 2. Insert locking pin into the slot located on the front of the alarm as shown in the diagram.
- 3. Remove pin to unlock and replace battery.

Insert Locking Pir

INSTALLATION

Lockina Pir

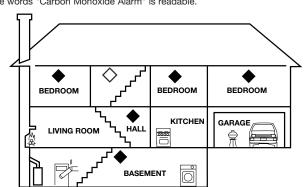
Read "Where To Install CO Alarms" before starting.

Before you start installation, find the pair of self-adhesive labels included with this CO Alarm. On each label write in the phone number of your emergency responder (like 911) and a qualified appliance technician. Place one label near the CO Alarm, and the other label in the "fresh air" location you plan to go if the alarm sounds.

WHERE TO INSTALL CO ALARMS

The National Fire Protection Association (NFPA) recommends that a CO Alarm should be centrally located outside of each separate sleeping area in the nmediate vicinity of the bedrooms. For added protection, install additional CO Alarms in each separate bedroom, and on every level of your home If your bedroom hallway is longer than 40 feet (12 meters), install a CO Alarm at BOTH ends of the hallway.

This alarm can be installed on the wall or ceiling. If the alarm is to be wall mounted it is recommended that the unit be mounted with hinge down so the words "Carbon Monoxide Alarm" is readable.



REQUIRED TO MEET NFPA RECOMMENDATIONS

SUGGESTED AREAS FOR INSTALLING ADDITIONAL CO ALARMS

In a Single-level Home:

- Install at least one CO Alarm near or within each separate sleeping area.
- For added protection, install an additional CO Alarm at least 20 feet 6 meters) away from the furnace or fuel burning heat source.

In a Multi-level Home:

- Install at least one CO Alarm near or within each separate sleeping area. • For added protection, install at least one CO Alarm on each level of the
- For added protection, install an additional CO Alarm at least 20 feet 6 meters) away from the furnace or fuel burning heat source.

 Install CO Alarms on inside walls ONLY. Uninsulated outside walls and roofs of mobile homes often transfer heat and cold from outdoors. The Alarm should be located at least 152 mm (6 inches) from all exterior wall: and at least 305 mm (12 inches) from supply or return vents.

WHERE CO ALARMS SHOULD NOT BE INSTALLED

DO NOT LOCATE THIS CO ALARM:

- In garages, kitchens, furnace rooms, or in any extremely dusty, dirty or
- Within 5 feet (1.5 meters) of any cooking appliance.
- In extremely humid areas. This alarm should be at least 10 feet (3 meters) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other source of high humidity.
- In areas where temperature is colder than 40° F (4.4° C) or hotter than 100° F (37.8° C). These areas include unconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.
- In turbulent air, like near ceiling fans, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from
- reaching the sensors Outside the Mobile Home.

In direct sunlight.

AWARNING!

- This CO Alarm is designed for use inside a single-family home or apartment. It is not meant to be used in common lobbies, hallways, or basements of multi-family buildings unless working CO Alarms are also installed in each family living unit. CO Alarms in common areas may not be heard from inside individual family living units.
- . This CO Alarm alone is not a suitable substitute for complete detection systems in places which house many people, like hotels or dormitories, unless a CO Alarm is also placed in each unit.
- DO NOT use this CO Alarm in warehouses, industrial or commercial buildings, special-purpose non-residential buildings, or airplanes. This CO Alarm is specifically designed for residential use, and may not provide adequate protection in non-residential applications.

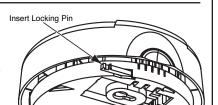
FOLLOW THESE SIMPLE STEPS!

- Hold base firmly and pull up on cover tab marked "OPEN HERE." This
 will open the hinged cover. The cover may unsnap from the base if it's
 opened too far. This will not damage the unit—the cover hinge snaps
 back into place activity.
- 2. Hold the CO Alarm base against the ceiling (or wall) and make a mark t the center of each of the mounting slots with a pencil.
- 3. Put the unit where it won't get covered with dust when you drill the
- 4. Using a 3/16" (5 mm) drill bit, drill a hole through each pencil mark.
- 5. Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until
- they are flush with the ceiling or wall. 6. Tighten the screws (provided) into the screw anchors, then loosen then
- 7. Fit the CO Alarm over the screw heads as shown. Close cover.
- 8. If the CO Alarm cover does not line up the way you want it, rotate the base and re-tighten the screws.
- Activate the battery. With the cover open, remove and reinstall the battery so the terminals on the battery match the terminals on the CO Alarm. Match "+" to "+" and "-" to "-." Push the battery in until it snaps in securely and cannot be shaken loose.

If the battery is not snapped in completely, the unit cannot receive battery power. The CO Alarm may beep briefly when you install the battery—this is normal.

Once the battery is installed, the red power indicator light (behind the test button) will flash once a minute to show you the CO Alarm is

- 10. Close the cover all the way.
- 11. Test the CO Alarm. See "Weekly Testing."



IF YOUR CO ALARM SOUNDS

AWARNING!

Actuation of your CO Alarm indicates the presence of carbon monoxide (CO) which can kill you. In other words, when your CO Alarm sounds, you must not ignore it!

IF THE ALARM SIGNAL SOUNDS:

- Operate the Test/Silence button
- 2. Call your emergency services, fire department or 911. Write down the number of your local emergency service here:
- Immediately move to fresh air—outdoors or by an open door or window. Do a head count to check that all persons are accounted for. Do not reenter the premises, or move away from the open door or window until the emergency services responder has arrived, the premises have been aired out, and your CO Alarm remains in its normal condition.
- 4. After following steps 1-3, if your CO Alarm reactivates within a 24-hour After following steps 1-3, if your CO Alarm reactivates within a 24-hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from fuel-burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician, and consult the manufacturers' instructions, or contact the manufacturers directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not, been operating in an attached garage or adjacent to the residence. Write down the number of a qualified appliance technician here:

"ALARM-MOVE TO FRESH AIR

If you hear the alarm horn and the Red light is flashing, move everyone to a source of fresh air.

DO NOT disconnect the battery from the CO Alarm!

AWARNING!

Alarms have various limitations. See "General Limitations of CO Alarms"

USING THE SILENCE FEATURE

- AWARNING!
- . The Silence Feature is for your convenience only and will not correct a CO problem. Always check your home for a potential problem after any alarm. Failure to do so can result in injury or
- NEVER remove the batteries from your CO Alarm to silence the horn. Use the silence feature. Removing the batteries removes your protection! See "If Your CO Alarm Sounds" for details on

nding to an alarm. The Silence Feature is intended to temporarily silence your CO Alarm's alarm horn while you correct the problem—it will not correct a CO problem. While the alarm is silenced it will continue to monitor the air for CO.

When CO reaches alarm levels the alarm will sound—repeating horn pattern 4 beeps, a pause, 4 beeps, etc. Press and hold the Test/Silence button until the horn is silent. The initial Silence cycle will last approximately 4 minutes. NOTE: After initial 4-minute Silence cycle, the CO Alarm re-evaluates preser CO levels and responds accordingly. If CO levels remain potentially dangerous—or start rising higher—the horn will start sounding again.

While the detector is silenced: If the CO Alarm...

Is silent for only 4 minutes, then CO levels are still potentially starts sounding loudly—4 beeps, pause, 4 beeps, pause dangerous

If the CO Alarm...

Remains silent after you pressed CO levels are dropping. the Test/Silence button

SILENCING THE LOW BATTERY WARNING

This silence feature can temporarily quiet the low battery warning "chirp" for up to 8 hours. You can silence the low battery warning "chirp" by pressing the Test/Silence button. The horn will chirp, acknowledging that the low battery silence feature has been activated.

After 8 hours, the low battery "chiro" will resume. Replace the battery as soon as possible; this unit will not operate without battery power To deactivate this feature: Press the Test/Silence button again. The unit will go into Test Mode and the low battery warning will resume (LED flashes and

unit sounds "chirp" once a minute.) If you cannot silence the low battery warning, replace the battery

SILENCING THE END OF LIFE SIGNAL

This silence feature can temporarily quiet the End of Life warning "chirp" for up to 2 days. You can silence the End of Life warning "chirp" by pressing the Test/Silence button. The horn will chirp, acknowledging that the End of Life silence feature has been activated.

After approximately 2 days, the End of Life "chirp" will resume.

TESTING & MAINTENANCE

WEEKLY TESTING AWARNING!

- Test the CO Alarm once a week. If the CO Alarm ever fails to test correctly, have it replaced immediately! If the CO Alarm is not working
- properly, it cannot alert you to a problem. DO NOT stand close to the Alarm when the horn is sounding Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding.

Push and hold the Test/Silence button on the cover until the LED flashes. The n horn will sound 4 beeps, a pause, then 4 beeps. The ALARM (RED) light

The alarm sequence should last 5-6 seconds. If it does not alarm, make sure fresh batteries are correctly installed, and test it again. If the unit still does not

If the alarm does not test properly:

alarm, replace it immediately.

- Make sure the battery is installed correctly
- Be sure the Alarm is clean and dust-free. Install a fresh 9V battery* and test the Alarm again

AWARNING!

- DO NOT try fixing the Alarm yourself this will void your warranty! If the CO Alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty Service" in the Limited Warranty, Install a new CO Alarm immediately
- The Test/Silence button is the only proper way to test the CO Alarm. NEVER use vehicle exhaust! Exhaust may cause permanent damage and voids your warranty.

*For a list of acceptable replacement batteries, see "Regular Maintenance."

REGULAR MAINTENANCE

To keep the CO Alarm in good working order:

- Test it every week using the Test/Silence button. Vacuum the CO Alarm cover once a month, using the soft brush attach. ment. Never use water, cleaners, or solvents, since these may damage the unit. Test the CO Alarm again after vacuuming.
- Replace the batteries when the CO Alarm "chirps" about every minute (the low battery warning).

The low battery warning should last for 7 days, but you should replace the battery immediately to continue your protection.

Choosing a replacement battery:

This CO Alarm requires one 9V alkaline battery. The following batteries are acceptable as replacements: Alkaline Batteries — Duracell MN1604 or Energizer 522: Lithium Batteries — Ultralife U9VL-J. U9VL-J-P.

- AWARNING! Always use the exact batteries specified by this User's Manual DO NOT use rechargeable batteries. Clean the battery contacts and also those of the device prior to battery installation. Install batteries correctly with regard to polarity (+ and -).
- Please dispose of or recycle used batteries properly, following any local regulations. Consult your local waste management authority or recycling organization to find an electronics recycling facility in your area. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.

AWARNING! Keep battery out of reach of children. In the event a battery is

swallowed, immediately contact your poison control center, your physician, or the National Battery Ingestion hotline at 202-625-3333 as serious iniury may occur. ACAUTION!

DO NOT spray cleaning chemicals or insect sprays directly on or near the CO Alarm. DO NOT paint over the CO Alarm. Doing so may cause

IMPORTANT! Household cleaners, aerosol chemicals, and other contaminants can affect the sensor. When using any of these materials near the CO Alarm, make sure the room is well ventilated.

WHAT YOU NEED TO KNOW ABOUT CO

WHAT IS CO? CO is an invisible, odorless, tasteless gas produced when fossil fuels do not

burn completely, or are exposed to heat (usually fire). Electrical appliances typically do not produce CO. These fuels include: Wood, coal, charcoal, oil, natural gas, gasoline kerosene, and propane. Common appliances are often sources of CO. If they are not properly maintained, are improperly ventilated, or malfunction, CO levels can rise quickly.

CO is a real danger now that homes are more energy efficient. "Air-tight" homes with added insulation, sealed windows, and other weatherproofing can "trap" CO inside

advice on taking additional precautions.

SYMPTOMS OF CO POISONING These symptoms are related to CO POISONING and should be discussed

Mild Exposure: Slight headache, nausea, vomiting, fatigue ("flu-like" symptoms).

- Medium Exposure: Throbbing headache, drowsiness, confusion, fast heart rate
- **Extreme Exposure:** Convulsions, unconsciousness, heart and lung failure. Exposure to carbon

monoxide can cause brain damage, death.

with ALL household members.

AWARNING! Some individuals are more sensitive to CO than others, including people with cardiac or respiratory problems, infants, unborn babies, pregnant mothers, or elderly people can be more quickly and severely affected by CO. Members of sensitive populations should consult their doctors for additional processitions.

FINDING THE SOURCE OF CO AFTER AN ALARM

Carbon monoxide is an odorless, invisible gas, which often makes it difficult to locate the source of CO after an alarm. These are a few of the factors that

can make it difficult to locate sources of CO:

• Transient CO problem caused by special circumstances.

- House well ventilated before the investigator arrives. Problem caused by "backdrafting."
- Because CO may dissinate by the time an investigator arrives, it may be difficult to locate the source of CO. BRK Brands, Inc. shall not be obligated to pay for any carbon monoxide investigation or service call.

HOW CAN I PROTECT MY FAMILY? A CO Alarm is an excellent means of protection. It monitors the air and sounds a loud alarm before carbon monoxide levels become threatening

for average, healthy adults. A CO Alarm is not a substitute for proper maintenance of home appliances To help prevent CO problems and reduce the risk of CO poisoning:

air movement and cause backdrafting. Never "cap" or cover a chimney n any way that would block air flow. Test and maintain all fuel-burning equipment annually. Many local gas or oil companies and HVAC companies offer appliance inspections for a nominal fee.

Clean chimneys and flues yearly. Keep them free of debris, leaves, and nests for proper air flow. Also, have a professional check for rust and corrosion, cracks, or separations. These conditions can prevent proper

- Make regular visual inspections of all fuel-burning appliances. Check appliances for excessive rust and scaling. Also check the flame on the burner and pilot lights. The flame should be blue. A yellow flame means fuel is not being burned completely and CO may be present. Keep the blower door on the furnace closed. Úse vents or fans when they are available on all uel-burning appliances. Make sure appliances are vented to the outside. Do not grill or barbecue indoors, or in garages or on screen porches.
- Check for exhaust backflow from CO sources. Check the draft hood on an operating furnace for a backdraft. Look for cracks on furnace heat exchangers. · Check the house or garage on the other side of shared wall.
- Keep windows and doors open slightly. If you suspect that CO is escaping into your home, open a window or a door. Opening windows and doors can significantly decrease CO levels. In addition, familiarize yourself with all enclosed materials. Read this manual in its entirety, and make sure you understand what to do if your

POTENTIAL SOURCES OF CO IN THE HOME

- The following conditions can result in transient CO situations:
- 1. Excessive spillage or reverse venting of fuel appliances caused by outdoor conditions such as:

- Negative pressure differential resulting from the use of exhaust fans.
- Vent pipe connections vibrating loose from clothes dryers, furnaces, or
- the above situations.
- 3. Temperature inversions, which can trap exhaust close to the ground.

Why is this important? Because you need to be warned of a potential CC

exposure, victims may be aware that they are not feeling well, but become

disoriented and can no longer react well enough to exit the building or get help. Also, young children and pets may be the first affected. The average

healthy adult might not feel any symptoms when the CO Alarm sounds. However, people with cardiac or respiratory problems, infants, unborn babies, pregnant mothers, or elderly people can be more quickly and severely affected

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

Standards: Underwriters Laboratories Inc. Single and Multiple Station carbor

According to Underwriters Laboratories Inc. UL2034. Section 1-1.2: "Carbon

exhaust from internal-combustion engines, abnormal operation of fuel-fired appliances, and fireplaces. CO Alarms are intended to alarm at carbon monoxide levels below those that could cause a loss of ability to react to the

dangers of Carbon Monoxide exposure." This CO Alarm monitors the air at the Alarm, and is designed to alarm before CO levels become life threatening. This allows you precious time to leave the house and correct the problem.

Gas Detection at Typical Temperature and Humidity Ranges: The CO Alarm

This is only possible if Alarms are located, installed, and maintained as

monoxide alarms covered by these requirements are intended to respond the presence of carbon monoxide from sources such as, but not limited to,

problem while you can still react in time. In many reported cases of CO

These conditions are dangerous because they can trap exhaust in your home. Since these conditions can come and go, they are also hard to recreate during a CO investigation.

REGULATORY INFORMATION FOR CO ALARMS

WHAT LEVELS OF CO CAUSE AN ALARM? Underwriters Laboratories Inc. Standard UL2034 requires residential CO

an enclosed area (like a garage or screened porch)

Alarms to sound when exposed to levels of CO and exposure times as described below. They are measured in parts per million (ppm) of CO over time (in minutes). UL2034 Required Alarm Points*:

- If the alarm is exposed to 400 ppm of CO, IT MUST ALARM BETWEEN 4 and 15 MINUTES If the alarm is exposed to 150 ppm of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES.
- If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

* Approximately 10% COHb exposure at levels of 10% to 95% Relative Humidity (RH) The unit is designed not to alarm when exposed to a constant level

of 30 ppm for 30 days.

must be met.

IMPORTANT!

- CO Alarms are designed to alarm before there is an immediate life threat. Since you cannot see or smell CO, never assume it's not present. An exposure to 100 ppm of CO for 20 minutes may not affect average nealthy adults, but after 4 hours the same level may cause heada
- An exposure to 400 ppm of CO may cause headaches in average, healthy adults after 35 minutes, but can cause death after 2 hours. IMPORTANT! This CO Alarm measures exposure to CO over time. It alarms if CO levels

are extremely high in a short period of time, or if CO levels reach a certain

before the onset of symptoms in average, healthy adults.

mum over a long period of time. The CO Alarm generally sounds an alarm

is not formulated to detect CO levels below 30 ppm typically. UL tested for false alarm resistance to Methane (500 ppm), Butane (300 ppm), Heptane (500 ppm) Ethyl Acetate (200 ppm) Isopropyl Alcohol (200 ppm) and Carbon Dioxide (5000 ppm). Values measure gas and vapor concentrations in parts

This CO Alarm is intended for residential use. It is not intended for use in industrial applications where Occupational Safety and Health
Administration (OSHA) requirements for carbon monoxide detectors

CO Alarms may not waken all individuals. If children or others do not readily waken to the sound of the CO Alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in the event of an emergency.

CO Alarms will not work without power. This alarm requires a 9V alkaline

CO Alarms for Solar or Wind Energy users and battery backup power systems: AC powered CO Alarms should only be operated with true or pure sine wave inverters. Operating this Alarm with most battery-powered UPS (uninterruptible power supply) products or square wave or "quasi sine wave" nverters **will damage the Alarm**. If you are not sure about your inverter or UPS type, please consult with the manufacturer to verify This CO Alarm will not sense carbon monoxide that does not reach the

reaches the CO Alarm. For this reason, if bedroom doors are usually closed at night, we recommend you install a CO Alarm in each bedroom and in the allway between them. CO Alarms may not sense CO on another level of the home. 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 adequate warning. Complete coverage is recommended. Place CO Alarms on each level of the

*For a list of acceptable replacement batteries, see "Page 4: Regular Maintenance."

sensor. This CO Alarm will only sense CO at the sensor. CO may be presen in other areas. Doors or other obstructions may affect the rate at which CO

Audible Alarm: 85 dB minimum at 10 feet (3 meters). **GENERAL LIMITATIONS OF CO ALARMS** CO Alarms may not be heard. The alarm horn loudness meets or exceeds

current UL standards of 85 dB at 10 feet (3 meters). However, if the CO Alarm

is installed outside the bedroom, it may not wake up a sound sleeper or one who has recently used drugs or has been drinking alcoholic beverages. This is especially true if the door is closed or only partly 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, stereo, radio, television, air conditioner, or other appliances may also prevent alert persons from hearing the alarm horn This CO Alarm is not intended for people who are hearing impaired. 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 sources. Early warning of fire requires the

installation of smoke alarms. CO Alarms are not a substitute for life insurance. Though these CO Alarms warn against increasing CO levels, BRK Brands, Inc. does not warrant or imply in any way that they will protect lives from CO poisoning. Homeowners and renters must still insure their lives.

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 must test 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 to rising CO levels if the CO is coming from a

remote part of the home, away from the CO Alarm.

TROUBLESHOOTING GUIDE YOU SHOULD... PROBLEM... THIS MEANS.. The light continues to flash (RED) and the horn Low battery warning. Install a new 9V alkaline battery*. "chirps" once every minute. MALFUNCTION SIGNAL, CO Alarm needs to be CO Alarms under warranty should be returned to The light flashes (RED) and the horn sounds Warranty" for details. Immediately replace the CO Alarm. The light flashes (RED) and the horn sounds END OF LIFE SIGNAL. CO Alarm needs to be CO Alarm goes back into alarm 4 minutes after you press the Test/Silence button. IF YOU ARE FEELING SYMPTOMS OF CO POISONING, EVACUATE your home and call 911 or CO levels indicate a potentially dangerous situation. the Fire Department, If not, press the Test/Silence button again and keep ventilating your home. CO Alarm sounds frequently even though no high The CO Alarm may be improperly located. Refer to

"Where to Install CO Alarms."

If you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005.

LIMITED WARRANTY BRK Brands, Inc. ("BRK") the maker of BRK® brand and First Alert® brand products, warrants that for a period of ten years from the date of purchase, this product will be free from defects in material and workmanship. BRK, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. BRK dealers, service centers, or retail stores selling BRK products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than BRK or an authorized service center. Further, the warranty does not cover acts of God, such as fire, flood, hurricanes and tornadoes or any batteries that are included with this unit. BRK shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces, or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so

the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to

state, or province to province. **How to Obtain Warranty Service**

For your records, please record:

levels of CO are revealed in an investigation.

Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Affairs Division at 1-800-323-9005, 7:30 AM to 5:00 PM, Central Standard Time, Monday through Friday. To assist in serving you, please have the model number and date of purchase available when calling. For Warranty Service return to: 25 Spur Drive, El Paso, TX 79906

Battery: BRK Brands, Inc. makes no warranty, express or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect

space provided: Month/Year Where Purchased Date Purchased: The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 2 days. Do not unplug the alarm or remove the batteries until you get replacement. Date Installed: Month/Year

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have home rechecked for potential CO problems You may be experiencing an intermittent CO problem.

Replace alarm 10 years after installation. Please write the date in the

Wind direction and/or velocity, including high, gusty winds. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).

• Several appliances running at the same time competing for limited

• Obstructions in or unconventional vent pipe designs which can amplify

2. Extended operation of unvented fuel burning devices (range, oven,

fireplace).

4. Car idling in an open or closed attached garage, or near a home.

monoxide alarms UL2034.

described in this manual.

Fuel-burning appliances like: portable heater, gas or wood burning fireplace, gas kitchen range or cooktop, gas clothes dryer.

vent pipe, leaking chimney pipe or flue, or cracked heat exchanger, blocked or clogged chimney opening.

Improper use of appliance/device: operating a barbecue grill or vehicle in

Transient CO Problems: "transient" or on-again-off-again CO problems can

be caused by outdoor conditions and other special circumstances

Damaged or insufficient venting: corroded or disconnected water heater