

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 attention to these items. 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 smoke, fire, or any other gas.
- This CO Alarm is approved for use in single-family residences. It is NOT designed for marine use.

ACAUTION!

 This CO Alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas. 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 death.
- NEVER ignore your Carbon Monoxide Alarm if it alarms. Refer to "If Your CO Alarm Sounds" for more information. Failure to do so 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 properly, it cannot alert you to a problem.
- This product is intended for use in ordinary indoor residential areas. It is not designed to measure compliance with commercial and industrial standards. This device is designed to protect individuals from the acute effects of carbon monoxide exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt consult a medical practitioner.

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 ris quickly (if the heat exchanger on your furnace breaks, for example), or if CO 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 silen

LOW BATTERY WARNING

The light continues to flash (RED) and the horn also "chirps" once every minute. This warning should last for up to 30 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

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 air. DO NOT move the CO Alarm!

CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL)

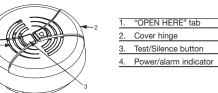
The light flashes (RED) and the horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced.

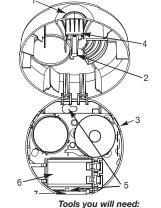
CO ALARM HAS REACHED ITS END OF LIFE

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

HOW TO INSTALL THIS CO ALARM

THE PARTS OF THIS ALARM





Test/Silence button . CO alarm base 4. "No Battery" tab

Cover Open

. "Open Here"

. Mounting slots 6. Install 9V battery here Locking pin slot

This unit is designed to be

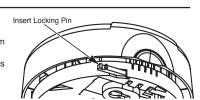
the wall if necessary

• Drill with 5 mm (3/16") drill bit

LOCKING FEATURE

To lock/unlock the cover to the base: 1. Using needle-nose pliers or a utility knife, detach locking pin from

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



INSTALLATION

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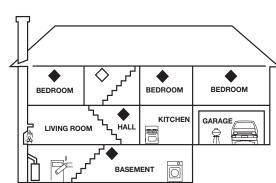
Read "Where To Install CO Alarms" before starting.

Before you start installation, find the pair of self-adhesive labels included with this CO Alarm. On each label write in the plan of self-admissive 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

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 immediate 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 12 meters (40 feet), 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 6 meters (20 feet) away from the furnace or fuel burning heat source.

- 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 6 meters (20 feet) away from the furnace or fuel burning heat source.

In Mobile Homes:

 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 walls and at least 305 mm (12 inches) from supply or return vents.

WHERE CO ALARMS SHOULD NOT BE

DO NOT LOCATE THIS CO ALARM:

- In garages, kitchens, furnace rooms, or in any extremely dusty, dirty or
- Within 1.5 meters (5 feet) of any cooking appliance.
- In extremely humid areas. This alarm should be at least 3 meters (10 feet) 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 4.4° C (40° F) or hotter than 37.8° C (100° F). 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
- Test units used in RV's after the vehicle has been in storage, before each trip, and once a week while in use. Failure to test units used in RV's as described may remove your protection.
- Apply the adhesive label supplied with this alarm permanently and visibly within 610 mm (2 feet) of the alarm.

2

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 easily. 2. Hold the CO Alarm base against the ceiling (or wall) and make a mark
- at 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 5 mm (3/16") 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 them
- 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. 9. 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!

tuation 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:

- 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 re-enter 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.
- 2. Call your emergency services, fire department or 911. Write down the number of your local emergency service here:
- 3. After following steps 1-2, if your CO Alarm reactivates within a 24-hour period, repeat steps 1-2 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 present 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	This means
Is silent for only 4 minutes, then starts sounding loudly—4 beeps, pause, 4 beeps, pause	CO levels are still potentially dangerous.
If the CO Alarm	This means
Remains silent after you pressed the Test/Silence button	CO levels are dropping.

SILENCING THE LOW BATTERY WARNING

This silence feature can temporarily quiet the low battery warning "chirp" for up to 3 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 "chirp" 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.

After approximately 2-3 weeks the End of Life warning cannot be silenced

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 alarm horn will sound 4 beeps, a pause, then 4 beeps. The ALARM (RED) light will

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 alarm

If the alarm does not test properly:

Make sure the battery is installed correctly.

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:

- Vacuum the CO Alarm cover once a month, using the soft brush attachment. 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 30 days, but you should replace the battery

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. These replacement batteries are commonly available at local retail stores.

- Always use the exact batteries specified by this User's Manual. DO NOT use rechargeable batteries. For products requiring multiple batteries, replace all batteries of a set at the same time. Do Not Mix Old and New 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 rea. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY

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 Canadian Battery Ingestion hotline at 1-416-813-5900 as serious injury may occur.
- DO NOT spray cleaning chemicals or insect sprays directly on or near the CO Alarm. DO NOT paint over the CO Alarm. Doing so

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.

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

and propane.

SYMPTOMS OF CO POISONING These symptoms are related to CO POISONING and should be discussed with ALL household members.

Mild Exposure: Headaches, running nose, sore eyes, often described as "flu"-like symptoms.

Medium Exposure: Dizziness, drowsiness, vomiting. Extreme Exposure: Unconsciousness, brain damage, death

Many cases of reported CARBON MONOXIDE POISONING indicate that while victims are aware they are not well, they become so disoriented they are unable to save themselves by either exiting the building or

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:

- · House well ventilated before the investigator arrives.
- Because CO may dissipate by the time an investigator arrives, it may be difficult to locate the source of CO. BRK Brands, Inc. shall not be obligated to

HOW CAN I PROTECT MY FAMILY?

To help prevent CO problems and reduce the risk of CO poisoning:

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.

- Test and maintain all fuel-burning equipment annually. Many local gas or oil companies and HVAC companies offer appliance inspections for a
- 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
- Check for exhaust backflow from CO sources. Check the draft hood on an operating furnace for a backdraft. Look for cracks on furnace

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.

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:

- Wind direction and/or velocity, including high, gusty winds. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
- Negative pressure differential resulting from the use of exhaust fans.
- Several appliances running at the same time competing for limited fresh air.
- Vent pipe connections vibrating loose from clothes dryers, furnaces, or · Obstructions in or unconventional vent pipe designs which can amplify
- 2. Extended operation of unvented fuel burning devices (range, oven,

the above situations.

- 3. Temperature inversions, which can trap exhaust close to the ground
- 4. Car idling in an open or closed attached garage, or near a home. 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.

WHAT LEVELS OF CO CAUSE AN ALARM?

Canadian Standards Association 6.19-01 requires residential CO 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).

CSA 6.19-01 Required Alarm Points*:

chimney opening.

- 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.
- 60 and 240 MINUTES

IMPORTANT!

healthy adults, but after 4 hours the same level may cause headaches An exposure to 400 ppm of CO may cause headaches in average.

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 minimum over a long period of time. The CO Alarm generally sounds an alarm before the onset of symptoms in average, healthy adults. Why is this important? Because you need to be warned of a potential CO problem while you can still react in time. In many reported cases of CO 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 elder ly people can be more quickly and severely affected by CO. If you experience even mild symptoms of CO poisoning, consult your doctor immediately!

According to Canadian Standards Association 6.19-01: "Carbon monoxide alarms

According to Canadian Standards Association 6.19-01: "Carbon monoxide alarms covered by these requirements are intended to respond to the presence of carbon monoxide from sources such as, but not limited to, 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. This is only possible if Alarms are located, installed, and maintained as described in this manual.

Standards: Canadian Standards Association 6.19-01.

GENERAL LIMITATIONS OF CO ALARMS

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 must be met.

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" inverters will damage the Alarm. If you are not sure about your inverter or UPS type, please

consult with the manufacturer to verify.

sensor. This CO Alarm will only sense CO at 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, we recommend you install a CO Alarm in each bedroom and in the hallway CO Alarms may not sense CO on another level of the home. For exam

This CO Alarm will not sense carbon monoxide that does not reach the

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. 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 your CO 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 PROBLEM... THIS MEANS... YOU SHOULD... The light continues to flash (RED) and the horn "chirps" Low battery warning nstall a new 9V alkaline battery*. The light flashes (RED) and the horn sounds MALFUNCTION SIGNAL. CO Alarm needs to be CO Alarms under warranty should be returned to nanufacturer for replacement. See "Limited Warranty" for details. The light flashes (RED) and the horn sounds END OF LIFE SIGNAL. CO Alarm needs to be Immediately replace the CO Alarm. CO Alarm goes back into alarm 4 minutes after you press the Test/Silence button. CO levels indicate a potentially dangerous situation IE VOLLARE EEELING SYMPTOMS OF CO. button again and keep ventilating your home. CO Alarm sounds frequently even though no high levels of CO are revealed in an investigation. Relocate your alarm. If frequent alarms continue, have home rechecked for potential CO problems. You may be experiencing an intermittent CO problem The CO Alarm may be improperly located. Refer to "Where to Install CO Alarms."

LIMITED WARRANTY BRK Brands, Inc. ("BRK") the maker of BRK prand 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 per od. 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.

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 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. To assist in serving you, please have the model number and date of purchase available when calling For Warranty Service return to: 1301 Joe Battle, El Paso, TX 79936

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.

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 to battery.

For your records, please record: Replace alarm 10 years after installation. Please write the date in the Month/Year Where Purchased The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the uni 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/Yea

> Printed in Mexico M08-0217-016 **K1** 11/15 6

replace it immediately.

Be sure the Alarm is clean and dust-free 3. Install a fresh 9V battery* and test the Alarm again

Test it every week using the Test/Silence button.

AWARNING!

may cause permanent damage

WHAT YOU NEED TO KNOW ABOUT CO

not produce CO. These fuels include: Wood, coal, charcoal, oil, natural gas, gasoline, kerosene, 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.

AWARNING!

FINDING THE SOURCE OF CO AFTER AN ALARM

 Problem caused by "backdrafting." Transient CO problem caused by special circumstances.

nests for proper air flow. Also, have a professional check for rust and corrosion, cracks, or separations. These conditions can prevent proper air movement and cause backdrafting. Never "cap" or cover a chimney in any way that would block air flow.

• Clean chimneys and flues yearly. Keep them free of debris, leaves, and

- on the furnace closed. Use vents or fans when they are available on all fuel-burning appliances. Make sure appliances are vented to the outside. Do not grill or barbecue indoors, or in garages or on screen porches.
- In addition, familiarize yourself with all enclosed materials. Read this manual in its entirety, and make sure you understand what to do if your CO Alarm sounds.

Fuel-burning appliances like: portable heater, gas or wood burning fireplace,

gas kitchen range or cooktop, gas clothes dryer. Damaged or insufficient venting: corroded or disconnected water heater vent pipe, leaking chimney pipe or flue, or cracked heat exchanger, blocked or clogged

Improper use of appliance/device: operating a barbecue grill or vehicle in an enclosed area (like a garage or screened porch). **Transient CO Problems:** "transient" or on-again-off-again CO problems can be caused by outdoor conditions and other special circumstances.

CANADIAN STANDARDS ASSOCIATION 6.19-01

- If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN
 CO and OAD MANUTED
- * Approximately 10% COHb exposure at levels of 10% to 95% Relative Humidity The unit is designed not to alarm when exposed to a constant level of 30 ppm for 30 days.
- 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. Gas Detection at Typical Temperature and Humidity Ranges: The CO Alarm is not formulated to detect CO levels below 30 ppm typically. Tested for false alarm resistance to Methane (500 ppm), Butane (300 ppm), Heptane (500 ppm), Etply Acetate (200 ppm), Isopropyl Alcohol (200 ppm) and Carbon Dioxide (5000 ppm). Values measure gas and vapor concentrations in parts per million. An exposure to 100 ppm of CO for 20 minutes may not affect average,
 - Audible Alarm: 85 dB minimum at 3 meters (10 feet).

rent standards of 85 dB at 3 meters (In treet). 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 applianc es may also prevent alert persons from hearing the alarm horn. This CO Alarm is not intended for people who are hearing impaired.

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

CO Alarms are not a substitute for life insurance. Though these CO Alarms

CO Alarms are not a substitute for a smoke alarm. Although fire is a source

ple, 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 home. Constant exposure to high or low humidity may reduce battery life CO Alarms may not be heard. The alarm horn loudness meets or exceeds cur-

*For a list of acceptable replacement batteries, see "Page 4: Regular Maintenance." If you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005