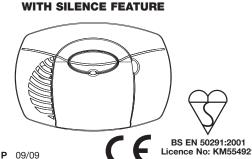


Model CO400

CO4000

USER'S MANUAL

BATTERY OPERATED CARBON MONOXIDE ALARM



M09-0058-008 **P** 09/09

IMPORTANT!
PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE.

This user's manual contains important information about your Carbon Monoxide (CO) 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

www.firstalert.eu • www.brkdicon.eu

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E-mail address: info@firstalert.co.uk • info@brk.co.uk

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 or for use in a caravan.

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 ČO Alarm Sounds" for more information. Failure to do so can
- 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.

HOW YOUR CO ALARM WORKS

GENERAL INFORMATION

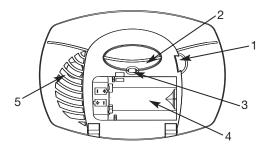
AWARNING!

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

A CO Alarm measures the CO levels in the air. It will alarm if CO levels rise 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

THE PARTS OF YOUR CO ALARM



1 Open door here 2 Test/Silence Button

3 POWER/ALARM Light (RED)

4 Battery Compartment 5 (Behind Cover) Alarm Horn: 85dB audible alarm for test, alarm, and unit malfunction warning.

UNDERSTANDING YOUR CO ALARM

Horn chirps and light blinks once when batteries are first connected

ALARM RECEIVING BATTERY POWER Green light flashes every minute. Horn is silent.

LOW BATTERY WARNING

Audible warning only. The horn "chirps" once every minute. This warning should last for up to 30 days, but you should replace the batteries as soon

DURING TESTING

Light flashes Red in sync 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 Alarr 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 5 "chirps" every minute. CO Alarm needs to be replaced.

INSTALLATION

WHERE TO AND WHERE NOT TO INSTALL CO ALARMS

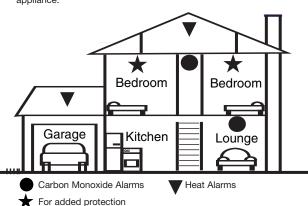
Ideally, you should have an alarm in or near every room that has a fuelburning appliance. However, if you have more than one appliance, but only one alarm, you should take the following into consideration when deciding

- If there is a fuel-burning appliance in the room where you sleep, you should put the alarm in that room
- If there is a fuel-burning appliance in the room that you use a lot, e.g. a sitting room, you should put it in that room.
- If you live in a bed-sit but the alarm as far away from the cooking appliances as possible, but near to the place where you sleep.
- If the fuel-burning appliance is in a room not normally used (e.g. a boiler room) put the alarm just outside the room so that you will be able to hear

If the alarm is in the same room as the appliance:

It should be mounted on or close to the ceiling at a height greater than that of any door or window. It should be at least 300mm from any wall, light fitting or any other obstruction. If mounted on a wall it should be at least 150mm from the ceiling. If mounted in a room with a sloped or gabled ceiling it should be at least 1 metre lower than the highest point of the room as long as that is above doors and windows. If the alarm is in a room that is remote from the appliance, then the alarm should be in the breathing zone of the occupants.

• An alarm should be at least 1.8 metres (6 feet) from the fuel-burning



Do not put a CO alarm:

- Outside the building.
- In close proximity to a vehicle exhaust pipe; this will damage the alarm.
- In or below a cupboard. In a damp or humid area.
- · Near paint thinners, adhesives, polishes, aerosols, or household cleaning
- products. Other substances may also affect the reliability of the unit.
- Directly above a sink or cooker. Next to a door window or extractor fan or anywhere that it would be affected by draughts.
- In exhaust streams from gas engines, vents, flues or chimneys. Where it would be obstructed by curtains or furniture.
- In an area where the temperature could drop below -10° C or rise to
- above 40° C.
- Where humidity is less than 30% R.H. or more than 90% R.H.
- Where dirt or dust could block the sensor and stop it from working. • Where it could be easily knocked or damaged, or where it could be
- accidentally turned off or removed.

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.

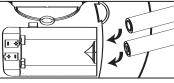
HOW TO INSTALL YOUR CO ALARM

Read "Where To and Where Not 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 999 in the UK or 112 in Europe) and a qualified appliance ian. Place one label near the CO Alarm, and the other label in the "fresh air" location you plan to go if the alarm sounds.

INSTALLING THE AA BATTERIES

. Flip the battery door down to open Install both AA batteries (included) inside the battery Make sure the "+" and "ends of each battery are aligned properly. A chirp will be issued.

Close the battery door



Mounting Guide Templat 64 mm (2.5 inches)

TO MOUNT ON THE WALL

Tools you will need: pencil, drill with 5mm or 3/16" drill bit,

- flathead screwdriver, hamme Choose a location on the wall. Do not install the Alarm closer than 150 mm
- from where the wall meets the ceiling.
- . Hold the mounting guide template against the wall, and make a mark inside each keyhole where you will drill your mounting hole as shown in the diagram on page 2.
- 3. Use a 5 mm (3/16") drill bit to drill through the marks you made for the mounting holes.
- 4. Insert the plastic screw anchors into the mounting holes until they are flush with the wall. If necessary, tap them gently with a hammer. 5. Insert the screws into the anchors until the screwhead is 3 mm (1/8 inch)
- 6. Slide the CO Alarm onto the screws until you feel it click into place.
- 7. Test the CO Alarm as described in "Weekly Testing."

WHAT TO DO IF THE ALARM SOUNDS

If harmful levels of carbon monoxide are detected, your alarm will emit a series of four beeps followed by a short pause; this will be accompanied by a flashing red light. This pattern will be repeated until the alarm is successfully reset. If the alarm is emitting a different pattern of beeps see section "Understanding Your CO Alarm".

If the alarm sounds, respond as follows:

Record those numbers here:-

- 1. If anyone is experiencing the effects of carbon monoxide ning-headache, dizziness, nausea or other 'flu-like' symptoms:-
- 2. Open the doors and windows to ventilate.
- 3. Turn off any fuel-burning appliances where possible and stop using them.
- 4. Evacuate the property leaving the doors and windows open Ring your gas or other fuel supplier on their emergency number.

Gas supplier :
CAPITA Engineer :
Hospital/Doctor :

- 6. Do not re-enter the property until the alarm has stopped.
- Get medical help immediately for anyone suffering the effects of carbon monoxide poisoning (headache, nausea), and advise that carbon monoxide poisoning is suspected.
- 8. Do not use the fuel-burning appliances again until they have been checked by an expert. In the case of gas appliances this must be a
- 9. If no symptoms exist, operate the Test/Reset button and immediately

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

ventilate the home by opening the windows and doors. 10. The alarm can be silenced by pressing the Test/Reset button.

AWARNING!

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 oblem 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 "What to Do if the Alarm Sounds" for details on responding 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.

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. An acknowledge "chirp" will let you know that the

After 8 hours, the low battery "chirp" will resume. Replace the batteries as

If you cannot silence the low battery warning, the batteries are too low

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 cilence feature has been activated.

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

Test the CO Alarm once a week. If the CO Alarm ever fails to test

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.

. Make sure that fresh batteries are installed correctly.

3. Install fresh AA batteries* and test the Alarm again

Warranty. Install a new CO Alarm immediately.

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

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

DO NOT try fixing the Alarm yourself - this will void your warranty!

. The Test/Silence button is the only proper way to test the CO Alarm.

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

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

NEVER use vehicle exhaust! Exhaust may cause permanent damage

correctly, have it replaced immediately! If the CO Alarm is not working

soon as possible; this unit will not operate without battery pow

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

While the dete

the Test/Silence buttor

SILENCING THE LOW BATTERY WARNING

low battery silence feature has been activated.

SILENCING THE END OF LIFE SIGNAL

TESTING & MAINTENANCE

WEEKLY TESTING

If the alarm does not test properly:

and voids your warranty.

Be sure the Alarm is clean and dust-free.

AWARNING!

AWARNING!

If the CO Alarm..

While the detector is silenced:	tait oo an amg again	and can cause draught reversal in the central heating boiler or firepla chimney when the demand for air by fireplaces, central heating boile
If the CO Alarm	This means	exhaust fans exceed the air supplied by leakage area and suppl Converting from oil to gas, without taking steps to prevent chim
Is silent for only 4 minutes, then starts sounding loudly—4 beeps, pause, 4 beeps, pause	CO levels are still potentially dangerous.	deterioration, will increase the risk of chimney blockage, draught fails and the associated release of combustion products into the house. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		m

This means... CO levels are dropping. Remains silent after you pressed

For all fuel-burning equipment, make sure that vent hoods and pipes are not blocked by insulation, leaves or bird nests. If you have pets, make sure that

If you use exhaust fans, a fireplace or other fuel burning heaters or stoves: Run exhaust fans for just a minute or two. Prolonged use could remove too much air, and it wastes heat. If your appliance has a conventional flue beware of running extraction fans when the gas appliance is on. When your fireplace, coal or wood stove is operating, open a window or install a fresh air duct directly to the fireplace or stove so that it won't steal air from your

Confining or enclosing gas-fired equipmen

If you have partitioned off your central heating boiler and water heater, you may need additional ventilation.

Danger Signs

healthy living. For gas-fired equipment, mostly yellow (rather than clear blue) burner flames, a pilot light that keeps going out, or a smell of gas indicate trouble. Turn off the equipment and contact the gas emergency service, number in the telephone directory, under 'Gas'.

In addition, familiarize yourself with all enclosed materials. Read this

BRK/First Alert CO alarms are manufactured to the highest standards to ensure faultless operation and long life. The manufacturers do, however, recommend that no CO alarm should be used for more than ten years, in supplier. Have your fuel burning equipment checked periodically for safety and efficiency by a qualified service engineer. If you are adding a wood or coal burning stove to a home, make sure that the stove is properly installed

Check with the Building Inspectors Department of your local council and always use a qualified (CAPITA registered) gas installer. If you have already installed a wood or coal stove without building regulation approval, consult your local Building Control Officer. Some 'do-it-yourselfers' have unknowingly created departure conditions. reated dangerous conditions.

Do not expose yourself to carbon monoxide through carelessness. Never operate a petrol engine in a confined or enclosed space such as a garage or tool shed. Never use a paraffin stove or charcoal grill in a confined space such as a closed garage or caravan. On brick chimneys inspect and clean-out regularly to ensure that the chimney is free and clear of debris.

should be inspected from time to time by a competent person. Any 'Efficiency devices must always be installed by a CAPITA registered installer. When using paints, household cleaning supplies or similar materials, be sure that you're using them in a well-ventilated area. Following sensible maintenance and safety procedures in the home will give you fuel savings without endangering

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 30 days, but you should replace the

battery immediately to continue your protection

Choosing a replacement battery:

This CO Alarm requires two alkaline LR6 1.5VDC AA batteries. The following batteries are acceptable as replacements: Duracell MN1500 (LR6), Energizer E91. These replacement batteries are commonly available at local retail stores.

IMPORTANT! Use only the replacement batteries listed. The unit may not operate properly with other batteries. Never use rechargeable batteries since they may not

provide a constant charge.

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

CO is an invisible, odourless, 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

SYMPTOMS OF CO POISONING

monoxide can cause brain damage or death

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

AWARNING!

ne 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. These people should consult their doctors for advice on taking additional precautions.

FINDING THE SOURCE OF CO AFTER AN ALARM

Carbon monoxide is an odourless, 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.
- Problem caused by "backdrafting." • Transient CO problem caused by special circumstances.

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 pay for any carbon monoxide investigation or service call.

TIPS FOR THE HOMEOWNER

Energy Conservation and Indoor Air Quality Two steps that homeowners take to conserve energy may adversely affect indoor air quality. Since air leakage can account for as much as 40% of heat loss, houses are being made more airtight. Reduced air leakage will contribute to higher concentrations of air contaminants from indoor sources lers and lucts. áilure e. You

Dirt and Blockage

Never insulate or try to seal up a draught hood, wind cap or exhaust vent on any gas appliance (central heating boiler, hot water heater, cooker, dryer or space heater). Keep area around appliances clean. Don't store anything that could restrict air circulation close to equipment. If you have a gas water heater, make sure that combustion air openings at the bottom of the tank and the opening below the draft diverter (on top of the tank next to the flue duct) remain unblocked. If you have a gas dryer, the exhaust duct must be vented to the outside and have a hood at the end. Check that the exhaust system is not blocked by lint or debris and that the flapper in the hood

there is no build up of fur or hair around gas burners or aeration holes

Using other equipment that consumes or exhausts household air

central heating boiler.

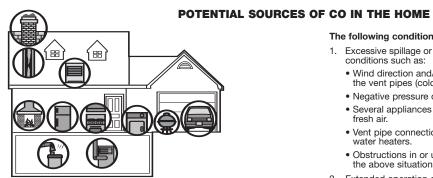
Stuffy, stale or smelly air, back draughts and soot from a fireplace or boiler chimney usually means your home needs more air for proper combustion and

nanual in its entirety, and make sure you understand what to do if your

ADDITIONAL SAFETY TIPS

order to minimise the chance of a fault occurring. The disposal procedure to be followed for this alarm is to send back defective or used alarms to your

Regardless of the fuel your boiler, fireplace or stove uses, your chimney



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 chimney opening. 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

BRITISH STANDARD INSTITUTE EN 50291:2001

WHAT LEVELS OF CO CAUSE AN ALARM?

Technical information

Your alarm utilizes a proprietary Electronic Sensing Technology that permits the unit to vary the exposure time before the alarm sounds based on carbon monoxide concentrations.

The carbon monoxide concentrations and time standards for the alarms

Carbon Monoxide Concentration	No alarm before	Will alarm before
50 ppm	60 minutes	90 minutes
100 ppm	10 minutes	40 minutes
300 ppm	_	3 minutes

IMPORTANT!

AA batteries to operate.

CO Alarms are designed to alarm before there is an immediate life threat. nce 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 headag

adults after 35 minutes, but can cause death after 2 hours.

• An exposure to 400 ppm of CO may cause headaches in average, healthy

recreate during a CO investigation.

his 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 elderly people can be more quickly and severely affected by CO. If you experience even mild symptoms of CO poisoning, consult your

Audible Alarm: 85 dB minimum at 1 metre (3 feet).

GENERAL LIMITATIONS OF CO ALARMS

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 vith 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 two standard

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" overters 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 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 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 nallway between them.

CO Alarms may not sense CO on another level of the home. For example

basement. For this reason, one CO Alarm may not give adequate warning.

a CO Alarm on the second level, near the bedrooms, may not sense CO in the

CO Alarms may not be heard. The alarm horn loudness meets or exceeds current EN standards of 85 dB at 1 metre (3 feet). 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.

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

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

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

Complete coverage is recommended. Place CO Alarms on each level of the 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.

renters must still insure their lives.

TROUBLESHOOTING GUIDE PROBLEM... THIS MEANS.. YOU SHOULD... Unit "chirps" once per minute. Low battery warning Install 2 new AA batteries*. MALFUNCTION SIGNAL. CO Alarm needs to be The horn sounds 3 "chirps" every minute. CO Alarms under warranty should be returned to The horn sounds 5 "chirps" every minute. 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. IF YOU ARE FEELING SYMPTOMS OF CO POISONING, EVACUATE your home and call your emergency services or the Fire Departmen If not, press the Test/Silence button again and keep ventilating your home. The CO Alarm may be improperly located. Refer to "Where to and Where Not to Install CO Alarms." CO Alarm sounds frequently even though no high Relocate your alarm. If frequent alarms continue.

You may be experiencing an intermittent CO problem. *For a list of acceptable replacement batteries, see "Page 4: Regular Maintenance."

levels of CO are revealed in an investigation

Limited Guarantee Your BRK/First Alert Alarm, excluding the battery in the CO400 and CO4000 is guaranteed for 5 years from date of purchase against defect in mater and workmanship. If the unit is faulty within this period, return it to the supplier with proof of the purchase date. This guarantee only covers defects in material or workmanship in normal residential use and does not cover damage resulting from negligent handling, misuse or lack of reasonable care. YOUR ALARM IS NOT A SUBSTITUTE FOR PROPERTY, DISABILITY OR OTHER INSURANCE OF ANY KIND. APPROPRIATE COVERAGE IS YOUR

RESPONSIBILITY, CONSULT YOUR INSURANCE AGENT.

BRK Brands Europe Ltd., ("the Company"), guarantees its enclosed Carbon Monoxide Alarm to be free from defects in materials and workmanship under normal use and service for a period of five years from the date of purchase. BRK Brands Europe Ltd. makes no other express guarantee for this Carbon Monoxide Alarm. No agent, representative, dealer or employee from the Company has the authority to increase or alter the obligations or limitations of the guarantee. The Company's obligation of this guarantee shall be limited to the repair or replacement of any part of the alarm which is found to be defective in materials or workmanship under normal use and service during the five year period commencing with date of purchase. The Company shall not be obligated to repair or replace Carbon Monoxide Alarm which are found

GUARANTEE INFORMATION

or alterations occurring after the date of purchase. Battery: BRK Brands Europe Ltd. make no guarantee, express or implied, written or oral, including that of merchantability or fitness for any particular purpose with respect to battery.

This guarantee does not affect a customer's statutory rights in any way.

to be in need of repair because of damage, unreasonable use, modifications

have home rechecked for potential CO problems

In the event of a problem with your alarm or you have any questions concerning use and care of the product or concerning service, please consult your owners manual. If you require further help or clarification, BRK Brands Europe Ltd. Unit 6, Carter Court

Davy Way

Quedgeley

For your records, please record:

GL2 2DE PLEASE KEEP THIS MANUAL IN A SAFE PLACE Please note that specifications may be subject to change.

Waterwells Business Park

This product, the batteries and other accessories must not be disposed of as unsorted municipal waste and must be collected separately at the end of the products life. Contact your local authority for information about collection

Date Purchased: Where Purchased: Date Installed: Month/Year Replace alarm 5 years after installation. Please write the date in the Month/Year The alarm will also provide an audible End-of-Life Signal approximately 5 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

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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
- Vent pipe connections vibrating loose from clothes dryers, furnaces, or • Obstructions in or unconventional vent pipe designs which can amplify
- the above situations. 2. Extended operation of unvented fuel burning devices (range, oven,
- fireplace).
- 3. Temperature inversions, which can trap exhaust close to the ground.

home. Since these conditions can come and go, they are also hard to

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

the alarm or remove the batteries until you get replacement.

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