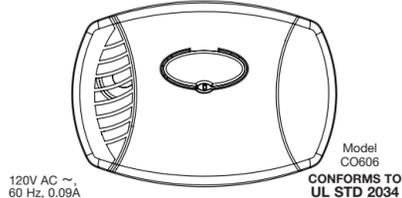


# First Alert USER'S MANUAL

## 120V PLUG-IN CARBON MONOXIDE ALARM WITH BATTERY BACK-UP AND SILENCE FEATURE



Model C0606  
CONFORMS TO UL STD 2034

M08-0206-004 S 06/12 Printed in Mexico

**IMPORTANT!**  
**PLEASE READ CAREFULLY AND SAVE.**  
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

##### 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.

##### CAUTION!

- This CO Alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas.

##### WARNING!

- 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.
- This CO Alarm should receive continuous 120VAC, 60 Hz, pure sine wave electrical power. (The battery is meant for emergency back-up only). Do not use in an extension cord or outlet controlled by a dimmer or switch. In order for the emergency battery back-up to work, a working (fresh) battery must be properly installed.
- 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 locations of family living units. It is not designed to measure CO levels in compliance with Occupational Safety and Health Administration (OSHA) commercial or industrial standards. Individuals with medical conditions that may make them more sensitive to carbon monoxide may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm. For additional information on carbon monoxide and your medical condition contact your physician.

#### 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 interference to 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 the receiver.
- 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 the equipment.

This device complies with Part 15 of the FCC 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

##### CAUTION!

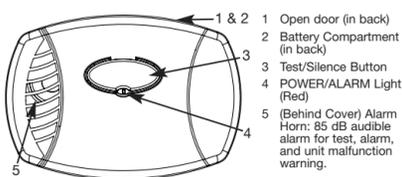
Leave your CO Alarm plugged in year-round. CO problems can occur any time during the year, and this Alarm can only alert you if it is plugged in and receiving power.

This CO Alarm is intended for use in a standard, unswitched 120V AC wall outlet. It is not intended for use in extension cords, power strips, or outlets controlled by a switch or dimmer. These may not provide continuous power to the unit. When fully powered, the unit samples the air and takes a new reading about every second. A microchip inside the unit stores each reading, and remembers the levels of CO it has been exposed to over time. The Alarm sounds when it has been exposed to a "critical" level of CO (measured in parts per million or "ppm") within a specified time (measured in minutes). This CO Alarm features a permanently installed sensor, an indicator light, and an 85dB alarm horn. It also has a Silence Feature to temporarily quiet the alarm horn.

#### MALFUNCTION WARNING

This unit performs self-diagnostic tests. If the Alarm malfunctions, it should be replaced immediately. See "IF THE CO ALARM IS NOT OPERATING PROPERLY" for more information.

### THE PARTS OF YOUR CO ALARM



- 1 Open door (in back)
- 2 Battery Compartment (in back)
- 3 Test/Silence Button
- 4 POWER/ALARM LIGHT (Red)
- 5 (Behind Cover) Alarm Horn: 85 dB audible alarm for test, alarm, and unit malfunction warning.

### UNDERSTANDING YOUR CO ALARM

#### WHAT YOU SEE AND HEAR DURING INSTALLATION

##### WHEN YOU FIRST INSTALL THE BATTERY:

- HORN: Chirps once
- POWER/ALARM LIGHT: Flashes once

##### UNDER NORMAL CONDITIONS (AC POWER):

- HORN: Silent
- POWER/ALARM LIGHT: Shines continuously

##### WHEN YOU TEST THE CO ALARM:

- HORN: Sounds loudly - 4 beeps, pause, 4 beeps, pause
- POWER/ALARM LIGHT: The LED flashes with the same pattern as the horn.

#### WHAT YOU SEE AND HEAR UNDER DIFFERENT CONDITIONS

##### DURING A POWER FAILURE (IN BATTERY BACK-UP):

- HORN: Silent
- POWER/ALARM LIGHT: Flashes once a minute.

##### WHEN THE ELECTRICITY COMES BACK ON AFTER A POWER FAILURE:

- HORN: Silent
- POWER/ALARM LIGHT: Shines continuously.

##### IF BATTERY BECOMES LOW OR IS MISSING:

- HORN: Chirps once a minute
- POWER/ALARM LIGHT: Shines continuously if AC is present or flashes coincident with the horn-chirp if AC is not present.

##### IF THE CO ALARM IS NOT OPERATING PROPERLY (MALFUNCTION SIGNAL):

- HORN: 3 chirps every minute
- POWER/ALARM LIGHT: Flashes three times with the horn.

##### IF THE CO ALARM HAS REACHED ITS END OF LIFE:

- HORN: 5 chirps every minute
- POWER/ALARM LIGHT: 5 flashes approximately once a minute.

#### WHAT YOU SEE AND HEAR IF CO IS DETECTED

##### ALARM LEVELS OF CO ARE DETECTED:

- HORN: Sounds loudly - 4 beeps, pause, 4 beeps, pause. This sequence repeats for as long as the unit is in alarm.
- POWER/ALARM LIGHT: The LED flashes with the same pattern as the horn.

##### IF YOU SILENCE THE ALARM:

- HORN: Silent for about 4 minutes
  - POWER/ALARM LIGHT: Flashes rapidly
- Note: After 4 minutes, if CO levels drop below alarm levels, the unit will remain silent and return to normal operation.
- If CO presence still indicates a potentially dangerous situation, the horn will sound again.

##### IF THE CO LEVELS RETURN TO NORMAL:

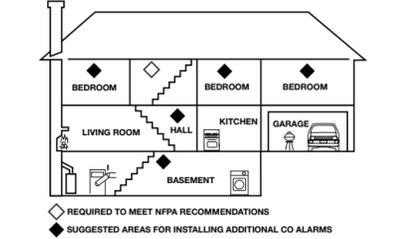
- HORN: Silent
- POWER/ALARM LIGHT: Shines continuously

### INSTALLATION

#### 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 40 feet (12 meters), install a CO Alarm at BOTH ends of the hallway.



##### 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 home. If you have a basement, install that CO Alarm at the top of the basement stairs.
- For added protection, install an additional CO Alarm at least 20 feet (6 meters) away from the furnace or fuel burning heat source.

##### WARNING!

This unit should receive continuous electrical power. (The battery is meant for emergency back-up only). Choose an outlet where it cannot be accidentally unplugged or switched off by children. Keep small children away from the unit. Teach them not to play with it or unplug it. Explain what the alarms mean.

### 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 greasy areas.
- Closer than 15 feet (4.6 meters) from a furnace or other fuel burning heat source, or fuel burning appliances like a water heater.
- 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 non-air-conditioned 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.
- In direct sunlight.
- In outlets covered by curtains or other obstruction.

##### WARNING!

- 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 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 Install CO Alarms" before starting.

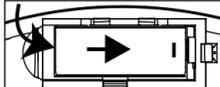
Before you start installation, find the pair of self-adhesive labels included with this CO Alarm. On each label write in the phone number of your emergency responder (like 911) and a qualified appliance technician. Place one label near the CO Alarm, and the other label in the "fresh air" location you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

#### Tools you will need: Screwdriver, drill.

- Determine the best location for your CO Alarm.
- Your Alarm is equipped to be mounted as a corded unit or a direct plug unit. The unit can be plugged directly into a wall outlet. If your outlets are mounted horizontally, refer to "If Outlet is Mounted Horizontally (Sideways)". If the adapter is taken out of the unit, the Alarm can be installed high on the wall, while the adapter is plugged into a wall outlet.

#### ACTIVATING THE BATTERY BACK-UP

Activate the battery back-up by installing one 9 volt battery. The battery is for back-up only and is not intended to power the Alarm for an extended period of time in the absence of AC.



#### DIRECT PLUG ALARM INTO AN OUTLET

This Alarm can be plugged directly into a wall outlet located close to the floor.

- Choose a standard UNSWITCHED 120V AC outlet.
- Plug Alarm in.

#### IF OUTLET IS MOUNTED HORIZONTALLY (SIDEWAYS)

If you are going to use your Alarm as a direct plug into an outlet that is mounted horizontally (sideways), you may want to rotate the adapter 90°, as follows:

- With back of unit facing you (AC blades on your left), place your left thumb on adapter release and grab AC blades with your right hand to release the left side.
- Repeat for the other side adapter thumb release. This will allow adapter to slide out.
- Remove adapter.
- Rotate the adapter 90° and snap firmly back into place.
- Plug Alarm into AC outlet.

#### WALL MOUNTED ALARM

Installation tips for power cord models: The power cord option provides more flexibility in mounting locations and allows the Alarm to be easily installed on or above eye level.

**NOTE:** If you mount the Alarm high on a wall, make sure it is at least 4 inches (102 mm) down from the ceiling. Any higher than this, it will be in "dead air" space and carbon monoxide may not reach the sensor.

**NOTE:** Do not cover the Alarm with a curtain. To install for a wall-mount, you will need to pull out the removable adapter and power cord, as follows:

- Repeat steps 1 to 3 as described above in "to rotate the adapter".
- With adapter out, pull out power cord and unwrap it.
- Insert the screws provided until head is approx. 1/8 inch (3 mm) from wall (if mounting in plaster board or drywall, drill 3/16 inch (5 mm) hole and use plastic anchor provided).
- Hook the Alarm over the screw onto the keyhole in back of unit.
- Plug power cord into AC outlet.

### IF YOUR CO ALARM SOUNDS

**WARNING!** An alarm from 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.
- 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 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.
- 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 unplug the CO Alarm!

**WARNING!** Alarm has various limitations. See "General Limitations of CO Alarms" for details.

#### USING THE SILENCE FEATURES

- 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 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 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.

#### While the detector is silenced:

- |  |  |
|--|--|
| <b>If the CO Alarm...</b>  | <b>This means...</b>                       |
| 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

Pressing the silence button can stop the low battery "chirp" for up to 8 hours; do not remove the battery or unplug the Alarm, unless changing the battery. Activation of low battery silence is acknowledged with a "chirp" and the low battery warning "chirp" silence feature is activated, the unit continues to flash the red light once a minute for 8 hours. After 8 hours, the low battery "chirp" will resume. Replace the batteries as soon as possible.

If you cannot silence the low battery warning, replace the batteries immediately.

#### 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 AND MAINTENANCE

#### WEEKLY TESTING

Press the Test/Silence button on the Alarm cover until alarm sounds. During testing, you will hear a loud alarm sequence – 4 beeps, pause, 4 beeps, pause.

The alarm sequence should last 5-6 seconds. If it does not alarm, make sure the unit is fully plugged into an unswitched outlet. If the unit still does not alarm, replace it immediately.

##### WARNING!

- If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the manufacturer for replacement. See "Limited Warranty" at the end of this manual.
- 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.
- NEVER use vehicle exhaust! Exhaust may cause permanent damage and voids your warranty.

### REGULAR MAINTENANCE

- To keep the CO Alarm working properly:
- Test it every week as described in "Weekly Testing."
  - Vacuum the CO Alarm cover at least once a month, using the soft brush attachment. Never use water, cleaners, or solvents, since they may damage the unit. Test the Alarm again after vacuuming.
  - Replace the battery immediately when you hear the "Low Battery Warning".

The Low (or Missing) Battery Warning: The horn will "chirp" once a minute.

#### REPLACING THE BATTERY

**Choosing a Replacement Battery:** This CO Alarm requires one standard 9 volt battery. The following batteries are acceptable as replacements: Duracell MN1604, Energizer 522, and UltraLife U9V-L-J-P. These replacement batteries are commonly available at local retail stores.

##### WARNING!

- 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 THE BATTERY MAY EXPLODE OR LEAK.

#### To Replace The Battery:

- Open the battery compartment.
- Use the thumb guide to remove the old battery.
- Insert the new battery, making sure it snaps completely into the battery compartment and cannot be shaken loose.
- Close the battery compartment, then test the battery back-up by pressing the Test/Silence button.
- Plug the CO Alarm back into the outlet.

##### WARNING!

- 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 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 may cause permanent damage.

#### 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.
- If your home is being fumigated, unplug the unit temporarily and put it where it will not be exposed to chemicals or fumes. When fumigation is complete and all traces of fumes clear, plug the unit back in and reset it.

### 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 vented, 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.

#### SYMPTOMS OF CO POISONING

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

##### 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.

##### WARNING!

Some individuals are more sensitive to CO than others, including people with cardiac or respiratory problems, infants, unborn babies, and severely affected by CO. Members of sensitive populations should consult their doctors for advice on taking additional precautions.

#### 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 more 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.

#### HOW CAN I PROTECT MY FAMILY?

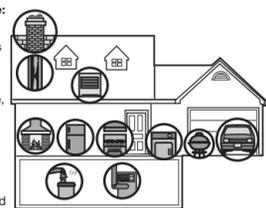
A CO Alarm is an excellent means of protection. It monitors the air and sounds a loud alarm before carbon monoxide levels become threatening for average, healthy adults.

#### 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:
  - 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 air movement and cause backdrafting. Never "cap" or cover a chimney in 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.
  - 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. 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.
  - 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 CO Alarm sounds.

### POTENTIAL SOURCES OF CO IN THE HOME



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.