

M08-152718-C0710A-CA K3 8/16 CONFORMS TO CSA 6.19-01 Model C0710A

**HOW YOUR CO ALARM WORKS** 

## **GENERAL INFORMATION** AWARNING!

CO Alarm contains a sealed, non-replaceable battery. Once it reaches the end of its service life, or after 10 years—whichever comes first—you must install a new CO Alarm.
High temperatures, low temperatures, high humidity, impact or dropping can adversely affect LCD displays.

A CO Alarm measures the CO levels in the air. It will alarm if CO levels rise quickly (if the heat exchanger on your furnoce breats, for example), or if CO is consistently present (a slow CO leak on a few-burning appliance).
This carbon monode alarm features a permanently installed sensor, digital display with buse backlight, and an 85 dB alarm horn. It also has a silence feature to temporarily quiet the alarm horn. During standby, the temperature is displayed in degrees C.

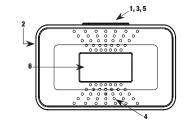
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Model C0710A

### THE PARTS OF YOUR CO ALARM

1.	Test Button
2.	Activation + Deactivation tab (back of unit).
3.	Silence Button

 (Behind Cover) Alarm Horn: 85dB audible alarm for test, alarm, and unit malfunction warning.
 Peak level Button. 6. Digital Display with blue backlight



First Alert®

# TO CHECK CO MEMORY:

CO ALARM END OF LIFE

USING THE PEAK CO MEMORY

Press and release the Test Button until the peak CO level is displayed
 TO CLEAR CO MEMORY:

The CO Memory Feature lets you check the highest level of CO recorded during an alarm NOTE: These bars will not appear when CO accumulation is low. The bars will be displayed when unit is exposed for a longer time and CO accumulation is higher.

Automatically resets after 24 hours.

**UNDERSTANDING YOUR CO ALARM** 

Display glows and horn chirps when Alarm is first activated.

Horn is silent. Temperature will be displayed in degrees C.

CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL)

The horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced. DIGITAL DISPLAY: "Err" is displayed.

The horn sounds 3 chirps every minute. CO Alarm needs to be replaced. DIGITAL DISPLAY: "End" is displayed.

ALARM RECEIVING BATTERY POWER

DURING TESTING

CO ALARM

**DIGITAL DISPLAY:** All segments are turned on for a short time upon initial power. Then the temperature is displayed in degrees C.

One beep sounds when you press button. It is later rollowed by a 7 beep point.

DIGITAL DISPLAY: Display glows and shows "tst".

Several ppm CO levels are also displayed and the alarm level is shown increasing. sounds when you press button. It is later followed by a 4 beep pattern that comes twic

Sensor has detected enough CO to trigger an alarm. Blue backlight glows and horn sounds loudly (repeating 4 beeps, pause). See "If Your CO AlarmSounds" for details. During an alarm, move everyone to a source of fresh air. DO NOT move the CO Alarm!

DIGITAL DISPLAY: "CO" alternating with the ppm number, a full level, and "EVACUATE"

1. Automatically release Test Button until bue backlight glows.
2. a. Press and release Test Button to until bue backlight glows.
3. Press and release Test Button to enter "clear mode".
4. Chress and release Test Button to enter "clear mode".
5. Chress and release Test Button to enter "clear mode".
6. WOTE Test press and release. Press and hold will run into "Test Mode".
6. WOTE The highest Co level will be saved for 24 hours. Of 10% role the CO Memory reading only after the investigator win developed your home. If the investigator win driver within the 24 hours time period before the until automatically reacts, be sure to write down the peak level.



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# **USER'S MANUAL**

### CARBON MONOXIDE ALARM 10 YEAR SEALED BATTERY OPERATED CARBON MONOXIDE

ALARM WITH DIGITAL DISPLAY AND SILENCE FEATURE



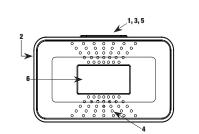
M08-152718-C0710A-CA K3 8/16 CONFORMS TO CSA 6.19-01

**HOW YOUR CO ALARM WORKS** GENERAL INFORMATION

# O Alarm contains a sealed, non-replaceable battery. Once it reaches the end of its service life, or after 10 years—whichever comes first—you must install a new CO Alarm. High temperatures, low temperatures, high humidity, impact or dropping can adversely affect LCD displays. A CO Alarm measures the CO levis in the air. It will airm if CO levels rise quickly (if the heat exchange on your furnace threats, for example, or if CO is consistently present (as Not CO alarm a their Luming appliance).

This carbon monoxide alarm features a permanently installed sensor, digital display with blue backlight, and an 85 dB alarm horn. It also has a silence feature to temporarily quiet the alarm horn. During standby, the temperature is displayed in degrees C. THE PARTS OF YOUR CO ALARM

- 2. Activation + Deactivation tab (back of unit). 3. Silence Button
- (Behind Cover) Alarm Horn: 85dB audible alarm for test, alarm, and unit malfunction warning.
- Peak level Button.
   Digital Display with blue backlight



First Alert®

1, 3, 5

First Alert

1, 3, 5

## UNDERSTANDING YOUR CO ALARM

*-* 888 **DIGITAL DISPLAY:** All segments are turned on for a short time upon initial power. Then the temperature is displayed in degrees C. ALARM RECEIVING BATTERY POWER 72 Horn is silent. Temperature will be displayed in degrees C DURING TESTING ESE PPM PPM PSE PARCELLE One been sounds when you press button. It is later followed by a 4 been pattern that comes twice. DIGITAL DISPLAY: Display glows and shows "tst". Several ppm CO levels are also displayed and the alarm level is shown increasing. CO ALARM Sensor has delected enough CO to trigger an alarm. Blue backlight glows and horn sounds loudy (repeating 4 beeps, passe). See "If Your CO AlarmSounds" for details. During an alarm, move everyone to a source of lerish air. DO NOT move the CO Alarm! DIGITAL DISPLAY: "CO" alternating with the ppm number, a full level, and "EVACUATE". FILES CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL) The horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced. DIGITAL DISPLAY: "Err" is displayed. Err CO ALARM END OF LIFE End

USING THE PEAK CO MEMORY

The horn sounds 3 chirps every minute. CO Alarm needs to be replaced. **DIGITAL DISPLAY:** "End" is displayed.

The CO Memory Feature lets you check the highest level of CO recorded during an alarm NOTE: These bars will not appear when CO accumulation is low. The bars will be displayed when unit is exposed for a longer time and CO accumulation is higher.

TO CHECK CO MEMORY: Press and release the Test Button until the peak CO level is displayed TO CLEAR CO MEMORY:

Automatically resets after 24 hours.



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#### **USER'S MANUAL** CARBON MONOXIDE ALARM

10 YEAR SEALED BATTERY OPERATED CARBON MONOXIDE ALARM WITH DIGITAL DISPLAY AND SILENCE FEATURE

IMPORTANT! PLEASE READ CAREFULLY AND SAVE.

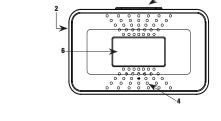


#### **HOW YOUR CO ALARM WORKS** GENERAL INFORMATION AWARNING!

 CO Alarm contains a sealed, non-replaceable battery. Once it reaches the end of its service life, or after 10 years—whichever comes first—you must install a new CO Alarm.
 High temperatures, low temperatures, high humidity, impact or dropping can adversely affect LCD displays.
 ACO Alarm measures the CO levels in the air. It will alarm if CO levels rise quickly (if the heat exchanger on your furnace treats, for example), or if CO is consistently present (a sow CO leak on a fuel-huming appliance). This carbon monoxide alarm features a permanently installed sensor, digital display with blue backlight, and an 85 dB alarm horn. It also has a silence feature to temporarily quiet the alarm horn. During standby, the temperature is displayed in degrees C.

## THE PARTS OF YOUR CO ALARM

- Activation + Deactivation tab (back of unit). 3. Silence Button
- (Behind Cover) Alarm Horn: 85dB audible alarm for test, alarm, and unit malfunction warning.
- 5. Peak level Button. 6. Digital Display with blue backligh



# UNDERSTANDING YOUR CO ALARM

*- 888*i **DIGITAL DISPLAY:** All segments are turned on for a short time upon initial power. Then the temperature is displayed in degrees C. ALARM RECEIVING BATTERY POWER Horn is silent. Temperature will be displayed in degrees C PPM EVACUATE

FOR THE STATE OF One beep sounds when you press button. It is later followed by a 4 beep pattern that comes twice. **DIGITAL DISPLAY:** Display glows and shows "tst". Several ppm CO levels are also displayed and the alarm level is shown increasing. Sensor has detected enough CO to trigger an alarm. Blue backlight glows and horn sounds oudly (repeating 4 beeps, pause). See "if Your CO AlarmSounds" for details. During an alarm, move everyone to a source of fresh air. DO NOT move the CO Alarm! DIGITAL DISPLAY: "CO" alternating with the ppm number, a full level, and "EVACUATE". CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL) The horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced. DIGITAL DISPLAY: "Err" is displayed. Err End The horn sounds 3 chirps every minute. CO Alarm needs to be replaced. **DIGITAL DISPLAY:** "End" is displayed.

USING THE PEAK CO MEMORY The CO Memory Feature lets you check the highest level of CO recorded during an alarm **NOTE:** These bars will not appear when CO accumulation is low. The bars will be displayed when unit is exposed for a longer time and CO accumulation is higher.



# TO CHECK CO MEMORY:

Automatically resets after 24 hours.

- a. Press and release Test Button until blue backlight glows.
   b. Press and release Test Button to enter "clear mode".
   c. Press and release Test Button quickly one more time to clear.

  NOTE: Must press and release. Press and hold will run into "Test Mode".
- NOTE: The highest CO level will be saved for 24 hours. DO NOT clear the CO Memory reading



F888

Err

End

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### CARBON MONOXIDE ALARM 10 YEAR SEALED BATTERY OPERATED CARBON MONOXIDE

**USER'S MANUAL** 

ALARM WITH DIGITAL DISPLAY AND SILENCE FEATURE



M08-152718-C0710A-CA K3 8/16 CONFORMS TO CSA 6.19-01

Model C0710A **HOW YOUR CO ALARM WORKS** 

# GENERAL INFORMATION

CO Alarm contains a sealed, non-replaceable battery. Once it reaches the end of its service life, or after 10 years—whichever comes first—you must install a new CO Alarm.
 High temperatures, low temperatures, high humidity, impact or dropping can adversely affect LCD displays.
 AC O Alarm measures the CO levels in the air, it will alarm if CO levels rise quickly (if the heat exchanger on your furnace breats, for example), or if CO is consistently present (as slow CO leak on a fuel-furning appliance).

This carbon monoxide alarm features a permanently installed sensor, digital display with blue backlight, and an 85 dB alarm horn. It also has a silence feature to temporarily quiet the alarm horn. During standby, the temperature is displayed in degrees C.

## THE PARTS OF YOUR CO ALARM

- 3. Silence Button

- Test Button 2. Activation + Deactivation tab (back of unit). (Behind Cover) Alarm Horn: 85dB audible alarm for test, alarm, and unit malfunction warning. Peak level Button.
   Digital Display with blue backlight.

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# **UNDERSTANDING YOUR CO ALARM**

DURING TESTING

**DIGITAL DISPLAY:** All segments are turned on for a short time upon initial power. Then the temperature is displayed in degrees C.

ALARM RECEIVING BATTERY POWER Horn is silent. Temperature will be displayed in degrees C. LSL FOR THE SECOND MOVE TO PRESS AR One beep sounds when you press button. It is later followed by a 4 beep pattern that comes twice. DIGITAL DISPLAY: Display glows and shows "tst". Several ppm CO levels are also displayed and the alarm level is shown increasing. EVACUATE PPR

CO ALARM Sensor has detected enough CO to trigger an alarm. Blue backlight glows and horn sounds loudly (repeating 4 beeps, pause). See "If Your CO AlarmSounds" for details. During an alarm, move everyone to a source of fresh air. DO NOT move the CO Alarm!

DIGITAL DISPLAY: "CO" alternating with the ppm number, a full level, and "EVACUATE"

CO ALARM REQUIRES SERVICE (MALFUNCTION SIGNAL) The horn sounds 3 "chirps" every minute. CO Alarm needs to be replaced. DIGITAL DISPLAY: "Err" is displayed. CO ALARM END OF LIFE The horn sounds 3 chirps every minute. CO Alarm needs to be replaced. **DIGITAL DISPLAY:** "End" is displayed.

USING THE PEAK CO MEMORY The CO Memory Feature lets you check the highest level of CO recorded during an alarm. NOTE: These bars will not appear when CO accumulation is low. The bars will be displayed when unit is exposed for a longer time and CO accumulation is higher.



if you plan to call someone to investigate a CO problem! Clear the CO Memory reading only after the investigator has checked your home. If the investigator will not arrive within the 2 hour time posicie before the unit understalled use only because the wide down the pack leave.

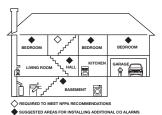


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## **INSTALLATION**

INSTALLATION
WHERE TO INSTALL CO ALARMS

\*\*Latinus Club Dividual Condition (IPPA) recommends that a CO Alarm should be centrally located outside of each separate sleeping area in the immediate vicinity of the bedrooms. For added to the condition of the conditio



In a Single-level Home:

In stall at lesst one C0 Alarm near or within each separate sleeping area.

For adder protection, install an additional C0 Alarm at least 20 feet (6 meters) away from the furnace or fuel burning heatsource 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. . Install CO Alarms on inside walls ONLY. Uninsulated outside walls and roofs of mobile homes often transfer heat and cold from outdoors.

WHERE CO ALARMS SHOULD NOT BE INSTALLED

WHERE CU ALAKIMS SHOULD NOT BE INSTALLED

DO NOT Install this CO Alarm:

In granges, kitchens, furnace rooms, or in any extense by dusty, dirty or greasy areas.

Cozer than 20 feet (i) 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 externely humid areas. This attern should be at least 10 feet (i) meters) from a bath or shower, sauna, humidifier, vaporizer, dishwasher saundy room, utility room or other source of high humidify, Counstant exposure to high no low humidify, may reduce battery life.

eaundry room, untily room or other source of high numbody. Constant exposure to high of low numbody, may reduce extrety life.

In a reass where temperature is colder than 40° F (4.4° C) or hotter than 100° F (8.78° C). These areas include unconditioned crawl spaces, unfilinished attics, univalided or poorly insulated cellings, porches, and garages.

In turbulent air, like near celling fans, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from reaching the sensors **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 91) and a qualified appliance technician. Piece one label near the CO Alarm, and the other label in the "fresh air" location you plan to go if the alarm sounds.

NOTE: Activate alarm prior to mounting.

Activating the Battery. Move the activation switch to ON position. Utilize a small tool to help 1 activates worth it searched not it is activated, it cannot be turned off.

NOTE: Horn Chirps, and all segments are turned on for a short time upon activation.

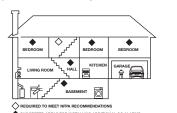
2. Test the CO Alarm. See "Weekly Testing".

To Permanently Deactivate The Alarm. This CO Alarm contains a sealed, non-replaceable



## INSTALLATION

WHERE TO INSTALL CO ALARMS s that a CO Alarm should be centrally located outside of each separate sleeping area in the immediate vicinity of the bedrooms. For added



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 heatsource in a Multi-level Home:

In a multi-veref mome:

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.

In a Mobile Home:

Install CO Alarms on inside walls ONLY. Uninsulated outside walls and roofs of mobile homes often transfer heat and cold from outdoors.

WHERE CO ALARMS SHOULD NOT BE INSTALLED
DO NOT install this CO Alarm:

In garages, kitchess, furnace rooms, or in any extremely dusty, dirty or greasy areas.

Coser than 20 feet (in enters) 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 hundi 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, Constant eposure to high or tow humidity, may reduce battery life.

In areas where temperature is color than 40° (F.4 C) or hotter than 10° (F.4 C) are 75° C.7 These areas include unconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.

In furturbuel art, like ear ceiling fans, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from reaching the sensors.

In direct sunlight.

## **HOW TO INSTALL YOUR CO ALARM**

Read "Where To Install CO Alarms" before starting.

Before you start installation, first 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 acollance 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.

911) and a qualified appliance technician. Place one label near the CD Alarm, and the other label in the "fr
NOTE: Activate amprior to mounting."

1. Activating the Battery. Move the activation switch to Oil position. Utilize a small tool to help 1 activate switch if needed. Once unit is activated, it cannot be turned off.

NOTE: Horn chirps, and all sepannis are turned on for a short time upon activation.

2. Test the CO Alarm. See "Weekly Testing". 3. To Permanently Deactivate The Alarm. This CO Alarm contains a sealed, non-replaceable battery. Once it reaches the end of its service life, or after 10 years you must install a new CO

Alarm. Deactivate the CO Alarm Vineerling a too below edge where shown and break tab.

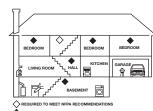
Then slide activation switch to DEACTIVATE mode.

NOTE: Once you deactivate this unit, it will not detect CO or alarm and cannot be reactivated. This CO Alarm can either be wall mounted or placed on a tabletop. If Alarm is placed on a tabletop, be sure the Alarm is no more than 3 feet (0.9 meter) from the floor to minimize the risk of causing permenent damage to the Alarm in the event that it is accidentally knocked to the ground.



## INSTALLATION WHERE TO INSTALL CO ALARMS

nds 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.



In a Single-level Home

Install at least one CO Alarm near or within each senarate sleening area For added protection, install an additional CO Alarm at least 20 feet (6 meters) away from the furnace or fuel burning heatsource

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. Install CO Alarms on inside walls ONLY. Uninsulated outside walls and roofs of mobile homes often transfer heat and cold from outdoors

# WHERE CO ALARMS SHOULD NOT BE INSTALLED

DO NOT install this CO Alarm:

In garages, kitchens, furnace rores, or in any extremely dustry, dirty or greasy areas.
Coses than 00 et et, 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.

Within 5 feet (1.5 meters) of any cooking appliance.
In extremely humid rares. This alarm should be at least 10 feet (3 meters) from a bath or shower, saune, humidifier, vaporizer, dishwasher, leaundry room, utility room or other source of high humidity. Constant exposure to high or low humidity, may reduce bathery life.
In areas where temperature is colder than 40° F4.4° Cy or hotter than 100° F G7.8° Cy. These areas include unconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.
In turbutent 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 sunsight.

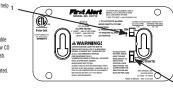
**HOW TO INSTALL YOUR CO ALARM** Read "Where To Install CO Alarms" before starting.

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. NOTE: Activate alarm prior to mounting.

Activating the Battery. Move the activation switch to ON position. Utilize a small tool to help 1 activates witch the control to the partial tool to help 1 NOTE: Horn chirps, and all segments are turned on for a short time upon activation. Test the CO Alarm. See "Weekly Testing". To Permanently Deactivate The Alarm. This CO Alarm contains a sealed, non-replaceable

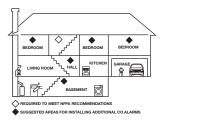
bettery, Once it reaches the end of its service life, or after 10 years you must install a new CO Alarm. Deactivate the CO Alarm beactivate the CO Alarm beactivate the CO Alarm by inserting a tool below edge where shown and break tab. Then slide activation switch to DEACTIVATE mode.

NOTE: Once you deactivate this unit, it will not detect CO or alarm and cannot be reactivated. 4. This CO Alarm can either be wall mounted or placed on a tabletop. If Alarm is placed on a tabletop, be sure the Alarm is no more than 3 feet (0.9 meter) from the floor to minimize the risk of causing permanent damage to the Alarm in the event that it is accidentally knocked to the ground.



### INSTALLATION WHERE TO INSTALL CO ALARMS

ds 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.



In a Single-level Home

 Install at least one CD 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 heatsource in a Multi-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 Mobile Home:

Install CO Alarms on inside walls ONLY. Uninsulated outside walls and roofs of mobile homes often transfer heat and cold from outdoors

WHERE CO ALARMS SHOULD NOT BE INSTALLED
DO NOT install this CO Alarm:

In garages, kitchess, furnace rooms, or in any extremely dusty, dirty or greasy areas.

Coser than 20 feet (in enters) 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 hundi 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. Constant exposure to high or tow humidity, may reduce battery life.

In areas where temperature is color than 40° (F.4.C or host tem 1 to 10° (F.3.C° C). These areas include unconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.

In furthulent ari, like ear ceiling fass, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from reaching the sensors.

**HOW TO INSTALL YOUR CO ALARM** 

Activating the Battery. Move the activation switch to ON position. Utilize a small tool to help 1 activates witch the model. Once until is activated, it cannot be turned off.

NOTE: Horn chirps, and all segments are turned on for a short time upon activation. Test the CO Alarm. See "Weekly Testing". To Permanently Deactivate The Alarm. This CO Alarm contains a sealed, non-replaceable

battery. Once it reaches the end of its service life, or after 10 years you must install a new CO

Alarm. Deactivate the CO Alarm by inserting a tool below edge where shown and break tab. Then slide activation switch to DEACTIVATE mode. NOTE: Once you deactivate this unit, it will not detect CO or alarm and cannot be reactivated. This CO Alarm can either be wall mounted or placed on a tabletop. If Alarm is placed on a tabletop, be sure the Alarm is no more than 3 feet (0.9 meter) from the floor to minimize the risk of causing permenent damage to the Alarm in the event that it is accidentally knocked to the ground.

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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.

## 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.

1. Choose a location on the wall. Do not install the Alarm closer than 4" (102 mm) from where the wall meets the ceiling.

Insert the screws into the anchors until the screwhead is 1/8 inch (3 mm) away from the wall

Slide the CO Alarm onto the screws until you feel it click into place.

Insert the plastic screw anchors into the mounting holes until they are flush with the wall. If necessary, tap them gently with a hammer.

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 Silence button	CO levels are dropping.		

### TO MOUNT ON THE WALL

- drill with 3/16" or 5mm drill bit
- hammer mounting template
- 1. Choose a location on the wall. Do not install the Alarm closer than 4" (102 mm) from where the wall meets the ceiling.
- Rold the mounting guide template against the wall, and make a mark inside earn keyhole where you will drill your mounting holes as shown in the diagram below. Use a 3/16" (5 mm) drill bit to drill through the marks you made for the mounting holes. Insert the plastic screw anchors into the mounting holes until they are flush with the wall. If necessary, tap them gently with a hammer.
- Insert the screws into the anchors until the screwhead is 1/8 inch (3 mm) away from the wall. Slide the CO Alarm onto the screws until you feel it click into place.

  Test the CO Alarm as described in "Weekly Testing."



#### **IF YOUR CO ALARM SOUNDS** AWARNING! tes the presence of carbon monoxide (CO) which can kill you. In other words, when your CO Alarm sounds, you must not ignore it!

**USING THE SILENCE FEATURE** 

Actuation of your CO Alarm indicates the presence of carbon monoxide (CO) which can kill yo See "General Limitations of CO Alarms" for details included in the card packaged with alarm.

Immediately move to fresh art—cutdoors 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 OD Alarm remains in its normal condition.
 Call your emergency services, fire department or \$11.1 Write down the number of your local emergency service here:

CO levels are still potentially dangerous.

This means..

CO levels are dropping

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 fixed-huming equipment and appliances, and inspect for proper operation of this explanent. If problems are identified during this inspection have the equipment serviced immediately. Note any consustion equipment not inspected by the technician, and consult the manufacturers instructions, or contact the machineturers directly for more information about CO stelly and the equipment. Made sure that motor vehicles are not, and have not, been operating in an attached garage or adjacent to the residence. White down the runner of a qualified appliance technician here:

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.

Is silent for only 4 minutes, then starts sounding loudly-4 beeps, pause, 4 beeps, pause

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

7. A chivate the Silence Feature Feature Am of the Silence fouture or the silence of the CO.

7. A chivate the Silence Feature Feature will be silence or yellow will tast approximately 4 minutes.

MOTE: Alter initial 4 -minute Silence cycle, the CO Alarm re-evaluates present CO levels and responds accordingly. If CO levels remain potentially diagnetics - or start criting higher: the horn will start sounding again.

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

If the CO Alarm...

Remains silent after you pressed the Silence buttor

TO MOUNT ON THE WALL

Insert the screws into the anchors until the screwhead is 1/8 inch (3 mm) away from the wall

- Choose a location on the wall. Do not install the Alarm closer than 4" (102 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 holes as shown in the diagram below.
- lose a 3/16 (5 mm) drill bit to drill through the marks you made for the mounting holes.

  Insert the plastic screw anchors into the mounting holes until they are flush with the wall. If necessary, tap them gently with a hammer.



# **IF YOUR CO ALARM SOUNDS**

AWARNING! Actuation of your CO Alarm indicates the presence of carbon monoxide (CO) which can kill you. In other words, when your CO Alarm sounds, you must not ignore it! See "General Limitations of CO Alarms" for details included in the card packaged with alarm.

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 coen 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.

Call your emergency services, fire department or 911. Write down the number of your local emergency service here:\_\_\_

#### **USING THE SILENCE FEATURE** AWARNING!

The Silleace Feature is for your convenience only and will not correct a CD problem. Always check your home for a potential problem after any alarm. Failure to do so can result in injury or death.

The Silence Feature is intended to temporarly silence, your CD Alarm's arm hom while you correct the problem—it will not correct a CD problem. Wild the balant is islenced if will continue to montor the air for CD.

To Activate the Silence Feature: Press and hold the Silence button until the horn is silent.

Once you activate the Silence Feature: the Silence cycle will last approximately 4 minutes.

NOTE: After initial 4-minute Silence cycle, the CD Alarm re-evaluates present CD levels and responds accordingly. If CD levels remain potentially dangerous- or start rising higher- the horn will start sounding again.

If the CO Alarm...

hammer mounting template 1. Choose a location on the wall. Do not install the Alarm closer than 4" (102 mm) from where the wall meets the ceiling.

Insert the screws into the anchors until the screwhead is 1/8 inch (3 mm) away from the wall. Slide the CO Alarm onto the screws until you feel it click into place Test the CO Alarm as described in "Weekly Testing."

# **Mounting Guide Templat** 2 5/8 inches (66.68 mm

### **IF YOUR CO ALARM SOUNDS** AWARNING!

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.

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 faul-houring equipment and appliances, and respect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately. Note any consustance equipment in inspected by the technician, and cossist the manufacturers instructions, or contact the manufacturers direct for more information about CO sately and the equipment. Make sure that motor vehicles are not, and have not, been operating in an attached garage or adjacent to the residence. Where down the number of a qualified appliance technician here:

The Silicence Feature is intended to temporary silencey wor CO Marmis slarm born 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.

A childrade the Silicence Feature Press and not the Silicence buttou until the horn is silenct.
Once you activate the Silicence Feature Press and not the Silicence toutour until the horn is silenct.
Once you activate the Silicence Feature rest. the Silicence cycle will tast approximately 4 minutes.
MOTE: After initial 4 -minute Silence cycle, the CO Alarm re-evaluates present CO levels and responds accordingly. If CO levels remain potentially disrigerous -or start irising higher: the horn will start sounding again.

This means.. CO levels are still potentially dangerous. This means...

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 CD from fluel-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 consultationation equipment for inspected by the technician, and crossaft the manufacturers instructions, or contact the manufacturers directly for more information about CD 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. When down the number of a qualified appliance technician here:

While the detector is silenced: If the CO Alarm... This means... CO levels are still potentially dangerous. Is silent for only 4 minutes, then starts sounding loudly—4 beeps, pause, 4 beeps, pause

This means..

# TO MOUNT ON THE WALL

pencil drill with 3/16" or 5mm drill bit

Hold the mounting guide template against the wall, and make a mark inside each keyhole where you will drill your mounting holes as shown in the diagram below.

Use a 3/16" (5 mm) drill bit to drill through the marks you made for the mounting holes.

Insert the plastic screw anchors into the mounting holes until they are flush with the wall. If necessary, tap them gently with a hammer.

#### Actuation of your CO Alarm indicates the presence of carbon monoxide (CO) which can kill yo See "General Limitations of CO Alarms" for details included in the card packaged with alarm. es the presence of carbon monoxide (CO) which can kill you. In other words, when your CO Alarm sounds, you must not ignore it!

#### **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 death.

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

Is silent for only 4 minutes, then starts sounding loudly—4 beeps, pause, 4 beeps, pause If the CO Alarm... CO levels are dropping.

Remains silent after you pressed the Silence button

Mounting Guide Templat

Test the CO Alarm as described in "Weekly Testing."

Notice and advance on one was up to not not seem user was made and the seem of the seem of

## **IF YOUR CO ALARM SOUNDS** AWARNING!

Actuation of your CO Alarm indicates the presence of carbon monoxide (CO) which can kill you. In other words, when your CO Alarm sounds, you must not ignore it! See "General Limitations of CO Alarms" for details included in the card packaged with alarm.

2. Call your emergency services, fire department or 911. Write down the number of your local emergency service here:\_\_\_\_

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 four-burning equation methods are destribed during this inspection have the equipment sort repeats on of this equipment. If problems are destribled during this inspection have the equipment sort respected by the technician, and crossal the menufactures instructions, or contact the manafectures of destruction 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. With down the number of a qualified appliance technician here.

# **USING THE SILENCE FEATURE**

TO MOUNT ON THE WALL

drill with 3/16" or 5mm drill bit

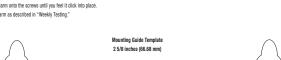
hammer
 mounting template

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.

70 Activate the Silence Feature research and both ES lience buttou multit be horn is silenct.

Once you activate the Silence Feature rest the 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:



#### **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 probler 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.

an test this CO Alarm by pressing the Test button on the Alarm cover until alarm chirps. The alarm horn will sound: 4 beeps, a pause, then 4 beeps. The alarm sequence di last 5-5 seconds. If the unit still does not alarm, replace it immediately,

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.

NEVER use vehicle exhaust to test your Alarm! Exhaust may cause permanent damage and voids your warranty

## REGULAR MAINTENANCE

To keep the CO Alarm in good working order:
• Test it every week using the Test button.

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. AWARNING!

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

WHAT YOU NEED TO KNOW ABOUT CO

WHAT IS CO?

WHAT IS CO?

On an invitible of cordness, hasteless 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 prognare. Because CO may disspate by the time an investigatar arrive, in mysel patification to locate the source of CO. BRK Brands, inc. shall not be obligated to pay for any carbon monoxide investigation or service call.

Fuel-burning appliances like: portable heater, gas or wood burning fireplace, gas kitchen range or cooktop, gas clothes driver. 
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 barbacue grill or vehicle in an enclosed area (like a garage or screened porch).

Transaient OD Problems: 'transaient' or prophems: 'transaient' or prophems: 'transaient' or prophem scripted in the populances.

A CO Alarm is not a substitute for proper maintenance of home appliances.

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 00 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.

er 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

ing chemicals or insect sprays directly on or near the CO Alarm. DO NOT paint over the CO Alarm. Doing so may cause permanent damage

icals, and other contaminants can affect the sensor. When using any of these materials near the CO Alarm, make sure the room is well ventilated

fou can test this CO Alarm by pressing the Test button on the Alarm cover until alarm chirps. The alarm horn will sound: 4 beeps, a pause, then 4 beeps. The alarm sequence should last 5-6 seconds. If the unit does not alarm, make sure it has been activated correctly, and test again. If the unit still does not alarm, replace it immediately.

ON OUT by 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 "flow to Obtain Warranty Service" in the Limited Warranty, Install a new CO Alarm immediately.

NEVER use velotic enhants to test your Alarm Eshaust may cause permanent damage and voids your warranty

Please dispose of or recycle the Alarm 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 ALARM IN FIRE. BATTERIES MAY EXPLODE OR LEAK.

WTAIL IS CO!

Of an invisible doodless, baseless 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.

Because CO may dissipate by the time in investigator arrive, it may be difficult to least the source of CO. BRK Brands, inc. shall not be obligated to pay for any carbon monoxide investigation or service call.

Fuel-burning appliances like protable hearts, gas rowed numbing fireplace, gas kitchen range or cooking, 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/elvieic: operating a barberuse grill or vehicle in an enclosed area (like a garage or screened purch).

Transient CO Problems: "transient" or pagient-dis-gand for problems can be caused by outdoor conditions and other special circumstances.

A CO Alarm is not a substitute for proper maintenance of home appliances.

SILENCING THE END OF LIFE SIGNAL

**TESTING & MAINTENANCE** 

REGULAR MAINTENANCE

WHAT YOU NEED TO KNOW ABOUT CO

To keep the CO Alarm in good working order

Test it every week using the Test button.

**WEEKLY TESTING** 

AWARNING!

AWARNING!

AWARNING!

IMPORTANT!

WHAT IS CO?

### **IMPORTANT!**

his CO Alarm is designed to detec

rbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas. Dangers, portant operating instructions or to potentially hazardous situations. Pay special attention to these items.

ACAUTION! ence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other area AWARNING!

NEYER 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 CO Alarm once a week. If the CO Alarm ever lais 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 intereded for use in ordinary indoor residential result. It is not designed measure compliance with commercial and indistrial standards:

Ins product is intended for use in ordinary indoor residential areas. It is not designed to measure companies with commercial and industrial standards.

This CO Alarm is delegated for use inside a single-family fiven or apartment. It is no meant to be used in common bobbes, hallways, or basements of multi-family buildings unless working CO Alarms are also installed in each family fiving unit. O 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 domitories, unless a CO Alarm is also placed in each unit.

Di NOT use this CO Alarm in warehouses, industrial or commercial buildings, special-purpose non-residential buildings, RNs, boats, or airplanes.

This CO Alarm is specifically designed for residential use, and may not provide adequate protection in non-residential applications.

This device is designed to protect individuals from the souler feets of carbon monoroide exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt consult a medical practitioner.

AWARNING!

is to the product, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate the complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful eived, including interference that may cause undesired operation

WHAT LEVELS OF CO CAUSE AN ALARM?

If the alarm is exposed to 400 ppm of CO, IT MUST ALARM BETWEEN 4 and 15 MINUTES

If the alarm is exposed to 150 ppm of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES.

If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES. ately 10% COHb exposure at levels of 10% to 95% Relative Humidity (RH)

\*Approximately 10% COND exposure at levels of 10% to 95% feature Humidity (RR).

The unit's designed not balarm 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.

An exposure to 100 ppm of CO for 30 minutes may not affect the rearenge, healthy adults after 35 minutes, but can cause death after 2 hours.

An exposure to 400 ppm of CO may cause headsches in average, healthy adults after 35 minutes, but can cause death after 2 hours.

This CO Alarm measures exposure to CO over time. It alarms ICO belea 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 orated of symptom in average, healthy adults.

GAS DETECTION AT TYPICAL TEMPERATURE AND HUMIDITY RANGES: The CO Alarm is not formulated to detect CO levels below 30 ppm typically. UL tested for false alarm resistance to Methane (500 ppm), Butane (300 ppm), Heptane (500 ppm), Entypi Acetate (200 ppm), Sepropyl Alcohol (200 ppm) and Carbon Dioxide (5000 ppm), Values measure gas and vapor concentrations in parts per million. Audible Alarm: 85 dB minimum at 10 feet (3 meters).

## **IMPORTANT!**

rbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas. Dangers, portant operating instructions or to potentially hazardous situations. Pay special attention to these items This CO Alarm is designed to detect

### **ACAUTION!** AWARNING!

bon 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.

NEVER groove your Carbon Monoide Alarm If a 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 note: 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.

esence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas

This CO Alarm is designed for use in ordinary invoice resoluential areas, it is not easigned to measure compliance with commercial and insistent standards.

This cO Alarm is designed for use inside a single-family how or expartment. It is not meant to be used in common bobbles, alloways, or bearenest of multi-family buildings unless working CO Alarms are also installed in each family living until. CO alarms in common areas may not be heard from inside individual family living units.

This CO Alarm and one is not a suitable substitute for complete detection systems in places which house many people, like holdes 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, Risk, boats, or ariplanes.

This Od Alarm is specifically designed for residential use, and may not provide adequate protection in non-residential applications.

This device is designed to protect individuals from the scuel effects of action monoxide exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt consult a medical practitioner.

AWARNING!

or modifications to the product, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate the int. This device complies with Part 15 of the FCC Pulse. Operation is subject to the following two conditions: (1) this device may not cal ence, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## WHAT LEVELS OF CO CAUSE AN ALARM?

Association 6.19-01 requires residential CO Alarms to sound when expose below. They are measured in parts per million (ppm) of CO over time (in m

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

If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES mately 10% COHb exposure at levels of 10% to 95% Relative Humidity (RH)

\*Approximately 10% Cuto Possize at levels of 10% to 50% heative nutrinoty (ren).

The unit is designed not to alarm when exposed to a constant level-03 gpm for 03 days. CO Alarms are designed to alarm before there is an immediate life threat. Since you cannot see or smel CO, never assume it's not present.

An exposure to 100 gpm of CO 10% comission may not fact example, healthy adults, but after 4 hours the same level may cause headaches in average, healthy adults after 35 minutes, but can cause death after 2 hours. This CO Alarm measures exposure to CO over time. It alarms if CO levels are actimely high in a short period of time, nor 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. GAS DETECTION AT TYPICAL TEMPERATURE AND HUMIDITY RANGES:

# The CO Alarm is not formulated to detect CO levels below 30 ppm (typical); UL tested for false alarm resistance to Mehane; 600 ppm), Butane; (300 ppm), Heptane; (500 ppm), Ethyl Acetate; (200 ppm), Esopropyl Alcohol (200 ppm) and Carbon Dioxide; (5000 ppm), Values measure gas and vapor concentrations in parts per million. Audible Alarm: 85 dB minimum at 10 feet (3 meters).

## SYMPTOMS OF CO POISONING

SYMPTOMS OF CO POISONING

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

CO Alarms will not work without power. This Alarm contains a sealed, non-replaceable batter

Temperature inversions, which can trap exhaust close to the ground.

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

**GENERAL LIMITATIONS OF CO ALARMS** 

The following symptoms may be related to CARBON MONOXIDE POLSONING and should be discussed with ALL members of the hot Mild exposure: Headcabes, running nose, sore eyes, often described as "flu" -like symptoms; Medium exposure: Dizziness, drowsiness, vomiting; Extreme Exposure: Unconscisiousness, brain diamage, death. Many cases of reported CARBON MONOXIDE POLSONING 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 calling for assistance.

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

IXIDE POISONING and should be discussed with ALL members of the household

# THE FOLLOWING CONDITIONS CAN RESULT IN TRANSIENT CO SITUATIONS:

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)
Megative pressure differential resulting from the use of exhaust fans.
Several appliances running at the same time competing for limited fresh air.
Wet pipe connections vibralling loses from ochless dryers, furnaces, or water heaters.
Obstructions in or unconventional vent pipe designs which can amplify the above situations.

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

## 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. 20 alarms may not where all individuals. It officient or other so not readily waden to the sound of the CO alarm, or if there are infants or family nembers 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 contains a sealed, non-replaceable battery. 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.

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 present in other areas. Doors or other obstruction may allect 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

CO Alarms may not sense CO on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not sense CO in the basement.

CO Alarms may not sense CO on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not sense CO in the beament. For this reason, not Co Alarms on and helve of beam home. For this reason, not Co Alarms on and helve of the home. CO Alarms may not be heard. The alarm hom loudness meets or exceeds current UL standards of 85 dB at 10 feet (5 meters), However, if the CO Alarms installed outside the bedroom, it may not vake up a sound seleper or one who has recently used drugs or has been drinking adortich leverages. This is especially true if the door is closed or only partly open. Even persons who are avake 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 applicances may also pervent after persons from hearing the alarm horn. This CO Alarms is not intended for people who are hearing impaired.

CO Alarms are not a substitute for a moke alarm. Although fire is a source of carbon monoxide, this CO Alarm does not sense sonice or fire. This CO Alarms sense on substitute for it lier insurance. Though threes of CO Alarms are not a substitute for it lier insurance. Though threes CO Alarms ware and substitute for it lier insurance. Though threes CO Alarms ware and substitute for it lier insurance. Though three CO Alarms ware and substitute for lier insurance. Though three CO Alarms ware and substitute for lier insurance. Though three CO Alarms ware and are designed to the as

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# SILENCING THE END OF LIFE SIGNAL

#### **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. an test this CO Alarm by pressing the Test button on the Alarm cover until alarm chirps. The alarm horn will sound: 4 beeps, a pause, then 4 beeps. The alarm sequenc d last 5-6 seconds. If the unit does not alarm, make sure it has been activated correctly, and test again. If the unit still does not alarm, replace it immediately.

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.

NEVER use vehicle exhaust to test your Alarm! Exhaust may cause permanent damage and voids your warranty

REGULAR MAINTENANCI To keep the CO Alarm in good working order.

Test it every week using the Test button.

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. AWARNING!

urs up to 7 days. You can silence the End of Life warning

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

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

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

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 property, it cannot arer; you us a μπυ
 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.

You can test this CO Alarm by pressing the Test button on the Alarm cover until alarm chirps. The alarm horn will sound: 4 beeps, a pause, then 4 beeps. The alarm sequence should last 5-6 seconds. If the unit does not alarm, make sure it has been activated correctly, and test again. If the unit still does not alarm, replace it immediately.

Please dispose of or recycle the Alarm 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 ALARM IN FIRE. BATTERIES WAT EXCENDED BE LEAST DO NOT Spray; clearly excellenged hereined for interest sprays directly on or near the CO Alarm. DO NOT plant or you here CO Alarm. DO NOT pant or your man of the CO Alarm. DO NOT plant or you are you are you man or man the CO Alarm. DO NOT plant or you here CO Alarm. DO NOT plant or your man of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or your plant of the CO Alarm. DO NOT plant or you plant or you plant you plant or you plant you pl

INTIAL 13 US:

It is a mixibile, dondries, tasteless gas produced when fossil fuels do not burn completely, or are exposed to heat (usually fire). Electrical appliances typically do not produce CO.
hese fuels includes Wood, coat, charcoat, oil, natural gas, gasoline, kerosere, and propane.
ecauses Comay disables by the time an investigation arrives, it may be difficult to locate the source of CO. BRK Brands,
ic. shall not be obligated to pay for any carbon monoxide investigation or service call.

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.

use of appliance/device: operating a barbecue grill or vehicle in an enclosed area (like a garage or screened porch).

CO Problems: "transient" or on-again-off-again CO problems can be caused by outdoor conditions and other special circumstances.

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.
 NEVER use vehicle exhaust to test your Alarm! Exhaust may cause permanent damage and voids your warranty

Please dispose of or recycle the Alarm 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 ALARM IN FIRE. BATTERIES MAY EXPLODE OR LEAK.

micals or insect sprays directly on or near the CO Alarm. DO NOT paint over the CO Alarm. Doing so may ca **IMPORTANT!** als, and other contaminants can affect the sensor. When using any of these materials near the CO Alarm, make sure the room is well ventilated.

WHAT YOU NEED TO KNOW ABOUT CO WHAT IS CO?

SILENCING THE END OF LIFE SIGNAL

**TESTING & MAINTENANCE** 

**REGULAR MAINTENANCE** 

WHAT YOU NEED TO KNOW ABOUT CO

A CO Alarm is not a substitute for proper maintenance of home appliance

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

eep the CO Alarm in good working o Test it every week using the Test button.

AWARNING!

IMPORTANT!

WEEKLY TESTING

AWARNING!

WHAT IS CO?

On an invitible of cordness, hasteless 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 prognare. Because CO may disspate by the time an investigatar arrive, in mysel patification to locate the source of CO. BRK Brands, inc. shall not be obligated to pay for any carbon monoxide investigation or service call.

Fuel-burning appliances like: portable heater, gas or wood burning fireplace, gas kitchen range or cooktop, gas clothes driver. 
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 barbacue grill or vehicle in an enclosed area (like a garage or screened porch).

Transaient OD Problems: 'transaient' or prophems: 'transaient' or prophems: 'transaient' or prophem scripted in the populances.

A CO Alarm is not a substitute for proper maintenance of home appliances.

his CO Alarm is designed to detec **ACAUTION!** 

**IMPORTANT!** 

ence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas AWARNING! oxide Alarm if it alarms. Refer to "If Your CO Alarm Sounds" for more information. Failure to do so can result in injury or deat

NEVER grone your Carbon Misonade Alarm If a laterns. Refer to "If You run Jamma Sounds for more innormation, rature to do so can resour in justy or users.

Test the CO Alarm once a week. If the CAlarm ever fails to be correctly, have it registed immediately if the CO Alarm son frou winging 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 CO Alarm is designed for use inside a single-family home or apartment. It is not meant to be used in common lobbles, hallways, or basements of multi-family buildings unless working OO Alarms as again installed in each of the each of the most in dividual family living units.

This CO Alarm alone is not a suitable substitute for complete detection systems in places which house may people, like hotels or ordimatives, uses as OO Alarms is also placed in each unit.

carbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas. Dangers, important operating instructions or to potentially hazardous situations. Pay special attention to these items.

DO NOT use this CO Alarm in warehouses, industrial or commercial buildings, special purpose non-residential buildings, special buildings, special

AWARNING!

**IMPORTANT!** 

ACAUTION!

AWARNING!

AWARNING!

WHAT LEVELS OF CO CAUSE AN ALARM?

ct, not expressly approved by First Alert / BRK Brands, Inc., could void the user's authority to operate the Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful

WHAT LEVELS OF CO CAUSE AN ALARM?

f the alarm is exposed to 400 nom of CO. IT MIIST ALARM RETWEEN 4 and 15 MINUTES If the alarm is exposed to 150 ppm of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES

If the alarm is exposed to 70 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES

ately 10% COHb exposure at levels of 10% to 95% Relative Humidity (RH)

\*Approximately 10% COND exposure at levels of 10% to 95% feature Humidity (RR).

The unit's designed not balarm 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.

An exposure to 100 ppm of CO for 30 minutes may not affect the rearenge, healthy adults after 35 minutes, but can cause death after 2 hours.

An exposure to 400 ppm of CO may cause headsches in average, healthy adults after 35 minutes, but can cause death after 2 hours.

This CO Alarm measures exposure to CO over time. It alarms ICO belea 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 orated of symptom in average, healthy adults.

The CO Alarm is not formulated to detect CO levels below 30 ppm typically. UL tested for false alarm resistance to Methane (500 ppm), Butane (300 ppm), Heptane (500 ppm), Ethyl Acetate (200 ppm), isopropyl Alcohol (200 ppm) and Carbon Dioxide (5000 ppm). Values measure gas and vapor concentrations in parts per million. Audible Alarm. 85 dB minimum at 10 feet (3 meters).

# GAS DETECTION AT TYPICAL TEMPERATURE AND HUMIDITY RANGES:

rbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas. Dangers, portant operating instructions or to potentially hazardous situations. Pay special attention to these items.

WARTING:

NEFEX planey not actions Monoide 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 CO Alarm is designed for use insides ingole-family home apartment. It is not measure to be used in common tolobies, halloways, 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.

uness working CD Alarms are also installed in each family living unit. O 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 hotelos or doministic, 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, Rifs, boats, or airplanes.

This CO Alarm is specifically designed for residential use, and may not provide adequate protection in non-residential applications.

This device is designed to protect individuals from the acute flects of carbon monoide exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt consuit a medical practitioner.

ne presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas.

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 compiles with Part 15 of the FCR Aules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device was society any interference received, including interference that may cause undesired operations.

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 Required Alarm Points\*:

If the alarm is exposed to 100 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 60 and 240 MINUTES.

If the alarm is exposed to 170 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

If the alarm is exposed to 170 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

If the alarm is exposed to 170 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

If the alarm is exposed to 170 ppm of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

Approximately 10% COH beropuser at elevels of 10% to 95% Relative Hundridt (give 7 sour first of 100 ppm of 100 minutes may not another and 100 ppm of 200 days. CO Alarms are designed to alarm before there is an immediate life threat. Since you cannot see or enter CIO, never assum if so the year.

An exposure to 100 ppm of CO for 20 minutes may not affect average, healthy adults, but after 4 hours the same level may cause headaches.

An exposure to 400 ppm of CO may cause headaches in average, healthy adults after 35 minutes, but can cause death after 2 hours.

This CO Alarm measure exposure to Cover time. It alarm is Col elevel are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if Col evels are externed which in a short period of time, or if

GAS DETECTION AT TYPICAL TEMPERATURE AND HUMIDITY RANGES:

# SYMPTOMS OF CO POISONING

The following symptoms may be related to CARBON MONOXIDE POISONING and should be discussed with ALL members of the hou Mild exposure: Headches, running nose, sore eyes, often described as "flu" - like symptoms; Medium exposure: Durbans, downloases, vonling; 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 discriented they are unable to sare themselves by either exiting the building or calling for assistance.

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

XIDE POISONING and should be discussed with ALL members of the household

# THE FOLLOWING CONDITIONS CAN RESULT IN TRANSIENT CO SITUATIONS:

Excessive spillage or reverse ventling 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 restulling from the use of exhaust fans.
Several appliances running at the same time competing for limited fresh air.

ent pipe connections vibrating loose from clothes dryers, furnaces, or water heaters. Ibstructions in or unconventional vent pipe designs which can amplify the above situation

Extended operation of unvented fuel burning devices (range, oven, fireplace). Temperature inversions, which can trap exhaust close to the ground.

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

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. OC alarms may not waken all individuals in children or others on or treatily waken to the sound of the CO alarm. In ordinary of the control of the CO alarms may not worken all individuals in children or others on or treatily 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 contains a sealed, non-replaceable batter

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. ur-o type, presses consult with the manufacturer to verror,
This CO Alazm will only sense CO at the sensor. Clinic O Alazm 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

halway between them.

Of Alarms many oceases Co on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not sense CO in the basement. For this reason, one CO Alarm many not give adequate warning. Complete coverage is recommended. Place CO Alarms on each level of the home.

CO Alarms many not be heard. The alarm from bounders meets or exceeds our set U. standards of 85 dB at 10 feet () meters, However, if the CO Alarm is installed outside the bedroom, it, many not wake up a sound seleger or one with host exceedity used foliage of has been dimiking alcoholic beerages. This is especially true if the door is closed or only partly open. Even presents with one alarm all man for the sound is blocked by distance or closed doors. Note from traffic, sterec, radio, television, air conditioner, or other applicances may also give pervent allest pressure time hearing the alarm hom. This CO Alarms are not as substitute for a smoke alarm. Although fire is a source of carbon monocide, this CO Alarm does not sense smoke or fire. This CO Alarm senses CO Ham may be escaping monoticed from malfunctioning furnaces, appliances, or other sources. Early warning of fire requires the installation of smoke alarms.

Of Alarms are not a substitute for it learnace. Though three co Alarms warn and substitute for it learnace. Though three co Alarms warn and substitute for lite instance. Though three co Alarms warn and increasing CO levels, BRK Brands, Inc. does not warrant or imply in any way that they will protect leves from CD obscining. 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 Alarm weekly. CO Alarms are not looproot. Like all the electronic devices, OA Alarms have initiations. They can only one chief the electronic devices, OA Alarms have initiations. They can only device CO that reaches their sensors. They may not give early warning to rising CO levels if the CO is coming from a tremote part of the home, away from the CO Alarms.

# SYMPTOMS OF CO POISONING

Extreme Exposure: Unconsciousness, brain damage, death.
Many cases of reported CARGON MONOXIDE POISONNO indicate that while victims are aware they are not well, they become so discorreited they are unable to see themselves by either exiting the building or calling for assistance.

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

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

THE FOLLOWING CONDITIONS CAN RESULT IN TRANSIENT CO SITUATIONS:

d to CARBON MONOXIDE POISONING and should be discussed with ALL members of the household

#### 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 water heaters Obstructions in or unconventional vent pipe designs which can amplify the above situations Extended operation of unvented fuel burning devices (range, oven, fireplace)

## Temperature inversions, which can trap exhaust close to the groun Car idling in an open or closed attached garage, or near a home. **GENERAL LIMITATIONS OF CO ALARMS**

is CO Alarm is intended for residential use. It is not intended for use in industrial application d Health Administration (OSHA) requirements for carbon monoxide detectors must be met.

and neam Administration (ISSA) requirements for carbon monoide detectors must be met.

CO alarms may not valene all individuals. If children or others do not readily valent 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 vork without power. This Alarm contains a sealed, non-regiserable battery.

CO Alarms will not over viting the registerable battery and the property of th

his 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 present in other areas. Doors or other obstructions any 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 between them.

O Alarms may not sense CO on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not sense CO in the basement.
For this reason, one CO Alarms may not give adequate warning. Complete coverage is recommended. Place CO Alarms on each level of the home.

CO Alarms may not be heard. The alarm hom boundess meets or exceeds cornert U, standards of 85 d8 at 10 feet C meeting, however, if the CO Alarms is installed outside
the bedroom, it may not wake up as sound seleper or one who has recently used drugs or has been drinking allowind beverages. This is expectably 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. Nose from traffic, stereo, radio, television, air
conditioner, or the rapplicances may also pervent allest presons from hearing the alarm horn. This CO Alarms is not intended for people who are hearing impaired.

CO Alarms are not a substitute for a smoke alarm. Although fire is a source of carbon monoxide, this CO Alarm does not sense
smoke or fire. This CO Alarms senses of hat may be excepting unnoticed from mallinoctioning
furnaces, appliances, or other sources. Early warning of fire requires the installation of smoke alarms.

CO Alarms are not a substitute for it lice increases to CO Alarms was not a substitute for lice increases to CO Alarms sense on a substitute for lice increases to CO Alarms was not a substitute for lice increases to CO Alarms was not a substitute for lice increases to CO Alarms sense not a substitute for lice increases to CO Alarms was not and increasing the contract increasing CO Alarms was not a substitute for lice increases to CO Alarms was not an advantage increases to CO Alarms was not a substitute for lice increases to CO Alarms was not a substitute for lice increases to CO Alarms was not a substitute for lice increases to CO Alarms was not a substitute for lice increases to CO Alarms was not a substitute for l

TRITICES, Appendixes, or owner sources. Learly warming of the requirest the installation of simose allarms.

(O Alarms are not a substitute for life insurance. Though these Co Alarms ware alays increasing OC levels, BRK Brands, Inc. does not warrant or imply in any way that they will protect lives from OC poisoning. Homeowners and renters must still insure their lives.

(O Alarms have a limited life. Although the O Alarm and a life is 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 Alarm weekly.

(O Alarms are not hopport. Like all other electronic devices, O Alarms have infliance. They can only defect Of that reaches their sensors. They may not give early warning to rising CO levels if the CO is coming from a tremote part of the home, away from the CO Alarm.

TROUBLESHOOTING GUIDE MALFUNCTION SIGNAL. Based on its Self Test diagnostics, the unit has detected a malfunction. The unit needs to be replaced. END OF LIFE SIGNAL. CO Alarm needs to be replaced. CO Alarms under warranty should be returned to IF YOU ARE FEELING SYMPTOMS OF CO POISONING, EVACUATE your home and call 911 or the Fire Department. If not, press the Test/Silence CO Alarm goes back into alarm 4 minutes ofter you press the Test/Silence button. CO levels indicate a potentially dangerous situation button again and keep ventilating your home. Relocate your alarm. If frequent alarms continue, have home rechecked for potential CO problems. You may be experiencing an intermittent CO prob The CO Alarm may be improperly located. Refer to "Where to Install CO Alarms." f you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005. This Class B digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## LIMITED WARRANTY

Elimitte U WARKANTY

MRKY the maker of First Aler\*\* brand and BRK\* brand products, warrants that for a period of ten years from the date of purchase, this product will be free from defects in material and workmanship. BRK, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remandantedured product or component. If the product is no longer arealities precisement may be made with a silinal product of equal or greater style is your exclusive warranty. This warranty is varied for the original retail purchases 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 original seed is not include the product to be under the product of the product. If you have considered the product of the product, use on improper voltage or current; use contrary to the operating instructions, deseasembly, repair or alteration by anyone other ham BRK or an authorized service center.

Further, the warranty does not cover Acts of God, such as fire, flood, furnicases and formations or you batteries that are included with this unit. BRK shall not be liable for any incidental or consequential diamages 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. Sone states, provinces or jurisdictions do not allow the exclusion or limitation of indental or oncidental or consequential diamages 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 Forward of the Management of t

For your records, please record: Replace alarm 10 years after installation. Please write the date in the space provided The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 7 days. Do not deactivate alarm until you have a replacement.

You should... This means... MALFUNCTION SIGNAL. Based on its Self CO Alarms under warranty should be returned to manufacturer for replacement. See "Limited Warranty" for details. Immediately replace the CO Alarm. END OF LIFE SIGNAL. CO levels indicate a potentially dangerous situation. POISONING, EVACUATE your home and call 911 the Fire Department. If not, press the Test/Silen button again and **keep ventilating your home**. CO Alarm sounds frequently even though no high evels of CO are revealed in an investigation. The CO Alarm may be improperly located Refer to "Where to Install CO Alarms." f you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005. This Class B digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s), Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

# **LIMITED WARRANTY**

LIMITED WARRANTY

BY SRK Brands, Inc., ("BRK") the maker of First Alert\* brand and BRK" 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 workmaniship, BRK, all to spoton, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is not been available, replacement may be made with a similar product of equal or greater value. This is you enclusive warranty. This warranty is didn't the original relatal purchase from the date of hallal relatal purchase and is not transferable. Keep the original seles receipt. From of purchase is required to obtain warranty performance. BRK dealers, service centers, or retail stores selling BRK products do not have the right to alter, modify or any way change the terms and conditions of this warranty. This warranty does not cover horn where or plants or damage resulting from any of the following, negligent use or misses of the product, use on improving conductives. The product is the product of the product. It is not that the product is the product of the product is the product in the product is the product in the product is the product is the product is the product in the product is the product in the product is the product in the product is the product is the product in the product in the product in the product is t

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

Replace alarm 10 years after installation. Please write the date in the space provided The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 7 days. Do not deactivate alarm until you have a replacement. Where Purchased: \_\_\_\_\_

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TROUBLESHOOTING GUIDE MALFUNCTION SIGNAL. Based on its Self CO Alarms under warranty should be returned to manufacturer for replacement. See "Limited Warranty" for details. Immediately replace the CO Alarm. IF YOU ARE FEELING SYMPTOMS OF CO POISONING, EVACUATE your home and call 911 or the Fire Department. If not, press the Test/Silence CO Alarm goes back into alarm 4 minutes ofter you press the Test/Silence button. CO levels indicate a potentially dangerous situation button again and keep ventilating your home. Relocate your alarm. If frequent alarms continue, have home rechecked for potential CO problems. You may be experiencing an intermittent CO problem. CO Alarm sounds frequently even though no high The CO Alarm may be improperly located. If you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005. This Class B digital apparatus compiles with Canadian ICES-003. This device compiles with Industry Canada licence-exempt RSS standardis). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

How to Obtain Warranty Service

Visit www.firstalert.ca for more information.

TROUBLESHOOTING GUIDE

LINITIE UNAMAN IT

ROBERT STATE ("BRY") he maker of First Alert<sup>®</sup> brand and BRK<sup>®</sup> 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 he warranty period. Replacement may be made with a similar product of required repairs via your exclusive warranty.

The product is no longer available, replacement may be made with a similar product of required regarder viable. This your exclusive warranty. In warranty is valid for the original relatal 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. BNK dealers, service centers, related is research and RR products do not have the right to after, morely or any way change the terms and conditions of this warrant this warranty describes the contract of the related transfer in the service of the related transfer in the service of the related transfer in the original related transfer or inside of the product, use on impropose of misse of the product, use on impropose of the related transfer in the related t

For your records, please record: Replace alarm 10 years after installation. Please write the date in the space provided:

Printed in Mexico M08-152718-C0710A-CA K3 8/16

Problem	Tilis illediis	Tou Silouiu			
The horn sounds 3 "chirps" every minute.	MALFUNCTION SIGNAL. Based on its Self Test diagnostics, the unit has detected a malfunction. The unit needs to be replaced. END OF LIFE SIGNAL. CO Alarm needs to be replaced.	CO Alarms under warranty should be returned to manufacturer for replacement. See "Limited Warranty" for details. 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 911 or the Fire Department. If not, press the Test/Silence button again and <b>keep ventilating your home</b> .			
CO Alarm sounds frequently even though no high levels of CO are revealed in an investigation.	The CO Alarm may be improperly located. Refer to "Where to Install CO Alarms."	Relocate your alarm. If frequent alarms continue, have home rechecked for potential CO problems. You may be experiencing an intermittent CO problem.			
If you have any questions that cannot be answered by reading this manual, call Consumer Affairs at 1-800-323-9005.					
This Class B digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.					

The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 7 days. Do not deactivate alarm until you have a replacement.

CO Alarms will not work without power. Ins Alarm contains a sealed, non-replaceable bettery.

CO Alarms for Sold only be operated with true or pure sine wave inverters. Operating this Alarm with most battery-powered UPS (initial republic powers 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.

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 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 hallower behaves the CO.

XIDE POISONING and should be discussed with ALL members of the ho

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

The following symptoms may be related to CARBON MONOXIDE POLSONING and should be discussed with ALL members of the hor Mild exposure: Bedaches, running nose, sore eyes, often described as "flu" -like symptoms; Medium exposure: Dizzness, drowisness, vumilling; Extreme Exposure: Dizzness, drowisness, twinting; Extreme Exposure: Unconsciousness, brain damage, death. Many cases of reported CARBON MONOXIDE POLSONING 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 calling for assistance.

THE FOLLOWING CONDITIONS CAN RESULT IN TRANSIENT CO SITUATIONS:

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 resisting from the use of exhaust fares.
Several appliances running at the same time competing for limited fresh air.
Very pipe connections withdraigh cose from coldes deyres, furnaese, or water heaters.
Obstructions in or unconventional vert pipe designs which can amplify the above situations.

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. Of a constant properties of the control of the constant properties of the control of the control of the CO alarm may not weaken all individuals. In children or other so not readily waten 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.

hallway between them.

O Alarms may not seese CO on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not seese CO in the basement. For this reason, one CO Alarms may not give adequate warning, Complete coverage is recommended. Place CO Alarms on each level of the home.

CO Alarms may not be heard. The alarm born bundness meets or exceeds cornert U, standards of 85 d8 at 10 feet C meeting, hence yet, if the CO Alarms is installed outside the bedroom, it may not vake up as sound seleper or one who has recently used drugs or has been drinking allorich beverages. This is sepacially 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 droxs. Nose from traditio, stereo, radio, television, air conditioner, or other applicances may also general ender persons from hearing the alarm horn. This CO Alarms is not intereded to people who are hearing impaired.

CO Alarms are not a substitute for it is morn and alarm. Although fire is a source of carbon monoxide, this CO Alarm does not sense smoke or fire. This course, and a substitute for it is returnance. Though three or O Alarms are not a substitute for it is returnance. Though three or O Alarms are not a substitute for it is returnance. Though three or O Alarms are not a substitute for it is returnance. Though three of O Alarms are not a substitute for it is returnance. Though three of O Alarms are not a substitute for it is returnance. Though three of O Alarms are not an advantage of the order of the norm of the order of the order of the order of the new order.

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

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TROUBLESHOOTING GUIDE

Service: If service 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 us in serving you, please have the model number and date of purchase available when calling.

For Warranty Service return to: SRK Brands, Inc., 1301 Joe Battle, EI Paso, TX 79396

For your records, please record:

LIMITED WARRANTY

BRK shall not be liable for any incidental or consequential diamages 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. Sone states, provinces or jurisdictions do not allow the exclusion or limitation of indental or oncidental or consequential diamages 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.

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

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 1-300-252-3005. To assist is in serving you, askes have the model number and date of purchase available when calling. For Warranty Service externs tes Rife Renands, New Lett. Plazes, IX 7930 and The Rife Renands Renands

The alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 7 days. Do not deactivate alarm until you have a replacement.

LIMITED WARRANTY brand and BRK® brand products, warrants that for a period of ten years from the date of purchase, this product will be free from defects in RIK Brands, Inc., ("BRIK") the maker of First Alert\* brand and BRK" brand products, warrants that for a period of ten years from the date on purchase, map product we we re ree tron occasion.

In the maker of the product of the product of the product of any component of the product found to be defectived during the warrant product of product or any component of the product found to be defectived during the warrant product or component. If the product is no longer available, replacement will be product to explain or greater value. This is your exclusive warrantly. It is warrantly is valid for the original retail purchases from the date of railtal retail purchase and is not transderable. Keep the original sceredult. Prod of products or many the state of the products of the original retail passes required to debiation retain products of the products do not have the right to after, modify or any way change the terms and conditions of this warrantly. This warranty does not cover normal wear of parts or damage resulting from any post of the following negligent use or missues of the product, use on improper of the following negligent to contract the product of the any impries warfainy or impries on a personne purpose is militation on some consistent and account and the control of the cont

For your records, please record Replace alarm 10 years after installation. Please write the date in the space provided Date Purchased: \_

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For Warranty Service return to: BRK Brands, Inc., 1301 Joe Battle, El Paso, TX 79936 ery; BRK Brands, Inc. make no warranty, express or implied, written or oral, including that of merchantability or fitness for any particular purpose with respect to battery.

Date Installed: /