

USER'S MANUAL

SMOKE & CARBON MONOXIDE ALARM BATTERY POWERED WITH WIRELESS INTERCONNECT

AND VOICE & LOCATION Model SMC0500V

IMPORTANTI PLEASE READ CAREFULLY AND SAVE The warnings/limitations card and manual contains important information about your Smoke Alarm's operation. If you are nstalling this Alarm for use by others, you must leave this manual—or a copy of it—with the end user. Para el manual del usuario en español, por favor



P

01 INTRODUCTION

Thank you for choosing First Alert® for your Smoke and Carbon Monoxide Alarm needs. You have purchased a state-of-the-art Smoke & Carbon Monoxide Alarm designed to help provide you with early varning of a smoke and/or carbon monoxide danger. Please take the time to read this manual and make the Smoke & Carbon Monoxide Alarm an integral part of your family's safety plan.

BASIC SAFETY INFORMATION IMPORTANT!

Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations. Pay special attention to these items. • This Smoke/CO Alarm is approved for use in single-family residences. It is NOT designed for marine or RV use.

A CAUTION!

This combination Smoke/Carbon Monoxide Alarm has two separate Alarms. The CO Alarm is not designed to detect fire or any other gas. It will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas. The Smoke Alarm will only indicate the presence of smoke that reaches the sensor. The Smoke Alarm is not designed to sense gas, heat or flames.

A WARNING!

- . This Carbon Monoxide Alarm is designed to detect carbon monoxide gas from ANY source of combustion. It is NOT designed to detect smoke, fire or any other gas, unless the product has been investigated and determined to comply with the applicable requirements.
- This Smoke/CO Alarm cannot operate without working batteries. Removing the batteries for any n, or failing to replace the batteries at the end of their service life, removes your protect NEVER ignore any Alarm. See "If Your Smoke/CO Alarm Sounds" for more information on how to
- respond to an Alarm. Failure to respond can result in injury or death. The Silence Features are for your convenience only and will not correct a problem. See "Using the
- Silence Features" for details. Always check your home for a potential problem after any Alarm. Failure to do so can result in injury or death • Test this Smoke/CO Alarm once a week. If the Alarm ever fails to test correctly, have it replaced
- immediately! If the Alarm is not working properly, it cannot alert you to a problem. This product is intended for use in ordinary indoor locations of family living units. It is not designed to measure CO levels in compliance with Occupational Safety and Health Administration (OSHA commercial or industrial standards. Individuals with medical conditions that may make them more sensitive to carbon monoxide may consider using warning devices which provide audible and visual signals for carbon monxide concentrations under 30 ppm. For additional information on carbon monoxide and your medical condition contact your physician.

02 ABOUT SMOKE ALARMS

TYPES OF ALARMS

All these Smoke Alarms are designed to provide early warning of fires if located, installed and cared for as described in the user's manual, and if smoke reaches the Alarm. If you are unsure which type of Smoke Alarm to install, refer the National Fire Protection Association (NFPA) Standard 72 (National Fire Alarm and Signaling Code) and NFPA 101 (Life Safety Code). National Fire Protection Association, One atterymarch Park, Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in different areas of the home.

Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation. They do not, however, provide interconnected functionality.

AC powered Smoke Alarms: Can be interconnected so if one unit senses smoke, all units Alarm They do not operate if electricity fails.

AC with battery (DC) back-up: will operate if electricity fails, provided the batteries are fresh and correctly installed. AC and AC/DC units must be installed by a qualified electrician.

Wireless Interconnected Alarms: Offer the same interconnected functionality as with hardwired larms, without wires. Units are easy to install and do not require professional installation. The provide protection even when electricity fails, provided the batteries are fresh and correctly installed. Smoke Alarms for solar or wind energy users and battery backup power systems: AC powered Smoke Alarms should only be operated with true or pure sine wave inverters. Operating this Smoke Alarm with most batterypowered 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. Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual Alarm and an audible Alarm horn, and meet the requirements

of the Americans With Disabilities Act. These units can be interconnected so if one unit senses smoke all units Alarm. Smoke Alarms are not to be used with detector guards unless the combination has been evaluated

and found suitable for that purpo

All First Alert[®] Smoke Alarms conform to regulatory requirements, including UL217 and are designed to detect particles of combustion. Smoke particles of varying number and size are produced in all fires.



which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a wastebasket, or a grease fire in the kitchen. Photoelectric technology is generally more sensitive than ionization technology at detecting large particles, which tend to be produced in greater amounts by smold fires, which may smolder for hours before bursting into flame. Sources of these fires may

include cigarettes burning in couches or bedding. For maximum protection, use both types of Smoke Alarms on each level and in every

bedroom of your home. **03** INSTALLATION

WHERE TO INSTALL THIS ALARM

Minimum coverage for Smoke Alarms, as recommended by the National Fire Protection Association (NFPA), is one Smoke Alarm on every floor, in every sleeping area, and in every bedroom (See 'Regulatory Information For Smoke Alarms" for details on the NFPA recommendations).

For CO Alarms the Natio should be centrally located outside of each separate sleeping area in the immediate vicinity of the edrooms. For added protection, install additional CO Alarms in each separate bedroom, and on every level of your home.

NOTE: For added protection, install an additional Smoke/CO Alarm at least 15 feet (4.6 meters) away om the furnace or fuel burning heat source where possible. In smaller homes or in manufacture homes where this distance cannot be maintained, install the Alarm as far away as possible from the furnace or other fuel burning source. Installing the Alarm closer than 15 feet (4.6 meters) will not harm the Alarm, but may increase the frequency of unwanted Alarms.

IN GENERAL, INSTALL COMBINATION SMOKE AND CARBON MONOXIDE ALARMS:

- On every level of your home, including finished attics and basements Inside every bedroom, especially if people sleep with the door partly or completely closed.
 In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.
- If a hall is more than 40 feet (12 meters) long, install a unit at each end. • At the top of first-to-second floor stairs.
- At the bottom of the basement stairs.

For additional coverage, install Alarms in all rooms, halls, and storage areas, where temperatures normally remain between 40° F and 100° F (4.4° C and 37.8° C).

RECOMMENDED PLACEMENT:



- When installing on the wall, the top edge of Smoke Alarms should be placed between 4 inches (102 mm) and 12 inches (305 mm) from the wall/ceiling line. When installing on the ceiling, place the Alarm as close to the center as possible In either case, install at least 4 inches (102 mm) from where the wall and ceiling meet. See
- "Avoiding Dead Air Spaces" for more information. NOTE: For any location, make sure no door or other obstruction could keep carbon monoxide or smoke from reaching the Alarm

WHERE NOT TO INSTALL THIS ALARM

FOR BEST PERFORMANCE, IT IS RECOMMENDED YOU AVOID INSTALLING SMOKE/CO ALARMS IN THESE AREAS • In garages, furnace rooms, crawl spaces and unfinished attics. Avoid extremely dusty, dirty

- or greasy areas. Where combustion particles are produced. Combustion particles form when something burns Areas to avoid include poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 meters) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6 meter) distance is not possible — in modular mobile, or smaller homes, for example – it is recommended the Smoke Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fuel-burning source, and thus reduce "unwanted" Alarms. Unwanted Alarms can occur if a Smoke Alarm is placed directly next to a
- Within 5 feet (1.5 meters) of any cooking appliance. In air streams near kitchens. Air currents can draw cooking smoke into the smoke sensor and cause unwanted Alarms. In extremely humid areas. This Alarm should be at least 10 feet (3 meters) from a shower, sauna,
- humidifier, vaporizer, dishwasher, laundry room, utility room, or other source of high humidity. In direct sunlight. • In turbulent air, like near ceiling fans or open windows. Blowing air may prevent CO or smoke from
- reaching the sensors.
 In areas where temperature is colder than 40° F (4.4° C) or hotter than 100°F (37.8° C). These
- areas include non-air conditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages. In insect infested areas. Insects can clog the openings to the sensing chamber
- Less than 12 inches (305 mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor.

In "dead air" spaces. AVOIDING DEAD AIR SPACES

Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow installation recommendations below.

On ceilings, install Smoke Alarms as close to the center of the ceiling as possible. If this is not possible, install the Smoke Alarm at least 4 inches (102 mm) from the wall or corner.

For wall mounting (if allowed by building codes), the top edge of Smoke Alarms should be placed between 4 inches (102 mm) and 12 inches (305 mm) from the wall/ceiling line, below typical "dead air" spaces.

On a peaked, gabled, or cathedral ceiling, install first Smoke Alarm within 3 feet (0.9 meters) of the peak of the ceiling, measured horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope, Refer to NFPA 72 for details on requirements for sloped or peaked ceilings.

WIRELESS OPERATION

First Alert® Wireless Interconnect Technology is the easy, cost-effective way to provide your family with whole-home safety. Compatible Wireless Interconnect Alarms communicate with each other without wires or connectors. When one Alarm sounds, they all sound. This provides your family with an earlier varning of potential danger, and gives you more time to react.

he communication distance (range) between any two compatible Wireless Interconnect Alarms is typically 100 feet (30 meters) inside of a home. Some features of a home, such as the number of vels, number/size of rooms, furniture and types of building materials used may reduce the range of the Alarms. Examples include: suspended ceilings, ductwork, large metallic appliances (refrigerators) and metal studs. A feature of Wireless Interconnect Alarms is that they operate as a mesh network. All Alarms will repeat any Alarm signal that is received to all other Wireless Interconnect Alarms. Interference from structural conditions can be overcome by adding additional Alarms to route the ireless signal around obstructions. A maximum of 18 compatible units may be into (Maximum of 12 Smoke Alarms). Compatible Wireless Interconnect Alarms: SMC0500V, SM500V.

IMPORTANT!

The range and proper operation of any wireless device will vary depending on its surroundings. It is very important that each Alarm is tested individually before and after installation to make sure that all Alarms respond properly.

- · The Wireless Interconnect Alarms are not to be used outdoors or to transmit between buildings.
- The Alarms will not communicate properly under these conditions.
 Metal objects and metallic wallpaper may interfere with signals from wireless Alarms. Alarms should be tested after changes to your home such as remodeling, moving furniture, and with metal

doors opened and closed. Your First Alert® Wireless Interconnect Smoke/CO Alarm will automatically communicate potential fires vith all other compatible First Alert® Wireless Interconnect Smoke/CO Alarms.

HOW TO INSTALL THIS ALARM

IMPORTANT!

This combination Smoke/CO Alarm was designed to be mounted on the ceiling or wall. It is not a tabletop device. You must install this device on the ceiling or wall as outlined below. Read "Where To Install This Alarm" before starting.

A CAUTION!

- Do not connect this unit to any other Alarm or auxiliary device. It is a single-station unit that cannot be linked to other devices. Connecting anything else to this unit may prevent it from working properly.
- Do not install this unit over an electrical junction box. Air currents around junction boxes can prevent smoke from reaching the sensing chamber and prevent the unit from Alarming. Only AC powered units are intended for installation over junction boxes.

2

This unit is designed to be mounted on the ceiling, or on the wall if necessary. Tools you will need: pencil, drill with 3/16" (5 mm) drill bit,

standard flathead screwdriver, hamme THE PARTS OF THIS SMOKE/CO ALARM

Battery compartment, install batteries here

- 2 Test/Silence button
- 3 CO Alarm LED 4 Power/Smoke Alarm LED 5 Turn this way to remove
- 6 Turn this way to attach 7 Mounting bracket
- 8 Mounting slots FOLLOW THESE SIMPLE STEPS
- 1. Choose a location. See "Where to Install This Alarm" for reference. WARNING! Do not install this Alarm over an existing electrical box. Only
- AC powered units are intended fo installation over electrical boxes. Hold the mounting bracket against the ceiling (or wall) so the vertica mounting slot is aligned in the 12 o'clock position and trace around the
- inside of the mounting slots (vertical and horizontal mounting). 3. Put the unit where it won't get covered with dust when you drill the
- mounting holes 4. Using a 3/16" (5 mm) drill bit, drill a hole through the center of the oval
- outlines you traced. Insert the plastic scre plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer if necessary, until they are flush with the

ceiling or wall. 6. Line the mounting bracket up over the plastic screw anchors. Screw the mounting bracket to the ceiling or wall

through the mounting slots using the two screws provided.

- 7. Install the batteries. First install the battery closest to the outside of the Alarm and then the battery ch is closer to the inside of the Alarm. Match the + and - orientation to that shown on the Alarm. Push the batteries in until they snap securely. If the batteries are not snapped in completely, the unit cannot receive battery power. NOTE: After you install the batteries, there will be LED and horn activation prompts.
- 8. Position the base of the Alarm over the mounting bracket and turn. Turn the Alarm clockwise until the unit is in place.

9. Test the Alarm. See "Weekly Testing."

- ADDING AND LINKING ADDITIONAL WIRELESS INTERCONNECT ALARMS Pick a unit to be the "Primary" unit. On that unit, insert the batteries into the battery drawer, then close the drawer. You will hear a short chirp indicating the alarm is now activated. Follow the verbal
- instructions or "Step by Step Guide To Programming This Alarm" section to set up the location 2. Prep the "Secondary" units (all the
- other detectors, minus the "Primary" unit). Insert the batteries but KEEP THE DRAWER OPEN. Press and hold test button and close drawer at the same time. Continue to hold the test button ntil you hear a short chirp. The LED on
- the alarm should now be blinking green. 3. Press and hold down the test button on the "Primary" unit. You should then hear the "Secondary"
- units chirp or start talking. This will indicate they are paired. 4. If the unit has voice & location, follow the verbal instructions or "Step by Step Guide To
- rogramming This Alarm" section to set up the location.
- 5. Repeat steps 2-3 to link additional wireless interconnect alarms
- 6. Press and hold the test button on any unit to test them. If you paired them successfully, they should all start to test. Make sure you hold the test button down until each chirp or say "Testing" (voice units only).

STEP BY STEP GUIDE TO PROGRAMMING THIS ALARM For First Time and When Changing Batteries Action Alarm Will Say "Welcome, First Alert Carbon Monoxide "No location programmed" if first time or "[Location, example: "Basement"] location programmed" when changing batteries. Insert batteries (2, AA batteries) "To select location press and hold Press & hold test button if you would like "To save location, press and hold test to program the location or change the location of the Alarm. Release button after button after location is heard." Alarm will speak list of locations (see below). Alarm responds.

you are placing the Alarm, press & hold saved." If no location is chosen: "No location saved." the test button Your Alarm has now been programmed for the location of your choice. Available Locations: Basement, Hallway, Office, Child's Bedroom, Kitchen, Utility Room, Dining Room, Living Room, Family Room, Master Bedroom, Guest Bedroom, No Location.

What You Will See & Hear

econds; CO Led: Off

in sync with the horn pattern

horn: CO LED: Off

[Location]. Evacuate.

LED: Flashes Red

Early Warning Interconnect: When one Alarm sounds, all compatible Alarms sound.

Voice & Location Alerts: Friendly voice tells you what the danger is and its location.

Alarm Latch is activated after an Alarm is exposed to Alarm levels of smoke or carbon

monoxide. After smoke or CO levels drop below Alarm levels, the Red Smoke/Power LED and/or the CO LED will begin to flash red On for 2 seconds/Off for 2 seconds. It will

continue to flash or "latch" for about 15 minutes, to give you time to determine which unit

Low Battery Latch is activated when the Alarm is in the "low battery condition". When this

occurs, the Smoke/Power LED flashes 2 seconds Green On for 2 seconds/Off for 2 seconds for about 15 minutes. This feature is designed to help you identify which Alarm needs to have

the battery replaced. Although, the Alarm will sound the low battery chirp approximately once

greater intervals than one minute, sometimes up to several hours, until the battery reaches a

steady low battery level. This innovative feature eliminates the frustration of waiting for and/or

every minute, sometimes during the initial stages of "low battery", the Alarm will chirp in

Do not lock the battery compartment until you have installed the battery and

2 sec On/ 2 sec Off; **CO LED:** Off

Voice: Silent; Horn: Silent; Power/Smoke LED:

Horn: Chirp; Voice: Testing; For 12 seconds: Horn: 3

beeps, pause, repeats 2 more times; **Power/Smoke LED:** Flash Green THEN **Horn:** 3 beeps, pause, 3 beeps;

Power/Smoke LED: Red in sync with horn; Voice: "Warning, evacuate smoke in [Location]. Evacuate."

"Warning, evacuate carbon monoxide in [Location, example: "Basement"]. Evacuate." Pause. "Highest

ppm]."; Power/Smoke LED: Off; CO LED: Flashes Red

Voice: "Replace battery in [Location, example "Hallway"]."

Voice: "Detector error in [Location, example "Hallway"].

please see manual." Repeated every 5 hours; Horn: 3

LED: Flashes Green in sync with horn; CO LED: Off

Voice: "Detector error in [Location, example

Power/Smoke LED: Flashes Green in sync with

[Location], Evacuate,": Horn: 4 beeps, pause, 4 beeps,

epeat. Voice; **Power/Smoke LED:** Steady Green for

first 12 seconds, then flashes Green once approximately

For 12 seconds: Horn: 3 beeps, pause, repeats 2 more

times: Power/Smoke LED: Flashes Green THEN Horn:

3 beeps, pause, 3 beeps.; Power/Smoke LED: Red in

sync with horn; Voice: "Warning, evacuate smoke in

Voice: "Horn silenced. Detector active."; Horn: Silent

Voice: "Horn silenced. Detector active."; Horn: Silent

(for up to 4 minutes); Power/Smoke LED: Off; CO

(for up to 15 minutes); Power/Smoke LED: Flashes Red

very 45 seconds; CO LED: Red in sync with horn

Voice: "Warning, evacuate carbon monoxide in

chirps approximately every 45 seconds; Power/Smoke

"Basement"], please see manual." Repeated every 5 hours; **Horn:** 5 chirps approximately every 45 seconds;

lepeated every 5 hours; Horn: chirps approximatel

every 45 seconds; **Power/Smoke LED:** Flashes Green approximately every 45 seconds; **Co LED:** Off

carbon monoxide level was [CO level example:

Horn: 4 fast beeps, pause, 4 fast beeps; Voice:

"[Location, example: "Basement"] location

After you hear the location of where

Action

Under Normal Operations

When You Test the Alarm

If Battery Becomes Low

If Alarm is Not

Operating Properly

Alarm has reached

its End of Life

Alarm Levels of

CO are Detected

Smoke is Detected

Smoke Alarm is Silenced

04 ALARM FEATURES

End of Life Warning: Lets you know when it's time to replace.

CO Alarm is Silenced

LATCHING FEATURE

initiated the Alarm.

tested the Alarm.

IMPORTANT!

it immediately.

identifying which unit is chirping.

TO LOCK THE BATTERY COMPARTMENT

If the unit does not Alarm during testing,

DO NOT lock the battery compartment! Install a new battery and test again. If

the Alarm still does not Alarm, replace

1. Using needle-nose pliers, detach one

2. After batteries are inserted, push

back of the Alarm.

Mounting Bracket."

save the locking pin.)

ocking pin in lock.

mounting bracket.

IMPORTANT!

battery compartment.

4. Reattach the Alarm to the

the locking pin through the hole

near the battery door latch on the

TO UNLOCK THE BATTERY COMPARTMENT

Remove the Alarm from the mountin

bracket, see the section "To Unlock the

Insert a flathead screwdriver under the

head of the locking pin, and gently pry it

plan to relock the battery compartment.

To relock the battery compartment

When replacing the batteries, always

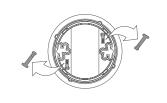
est the Alarm before relocking the

close the battery door and reinsert

out of the battery compartment lock. (If you

bracket. If the unit is locked to the

OPTIONAL LOCKING FEATURE The optional locking feature is designed to prevent unauthorized removal of the Alarm. It is not necessary to activate the lock in single-family households where unauthorized Alarm



To permanently remove the locking pin, insert a flathead screwdriver between the locking pin and the lock and pry the pin out of the lock.

TO LOCK THE MOUNTING BRACKET

TO UNLOCK THE MOUNTING BRACKET

moval is not a concern

flathead screwdriver

a utility knife.

IMPORTANT!

Tools you will need: Needle-nose

ers or utility knife, standard

which is molded into the mounting

The feature uses a locking pin

bracket. Remove locking pin

y using needle-nose pliers or

Using needle-nose plier detach the pin from the

mounting bracket.

Insert the locking pir

When you attach the

on the bracket.

Insert a flathead

the locking pin

crewdriver in betwee

2. Pry the Alarm away fron

up the screwdriver and turning the Alarm

at the same time.

and voids your warranty.

REGULAR MAINTENANCE

Test it at least once a week.

Installed" for details.

local retail stores.

A WARNING!

A WARNING!

IMPORTANT!

Open the battery compartment

and remove each battery.

terminals on the unit.

IF THE ALARM ...

Horn "chirps" about

Voice: "Replace battery in

[Location]" every 5 hours Power/Smoke LED: Flash

Green 2 sec on/ 2 sec off

Horn sounds three "chirps

seconds; **Voice:** "Detector error in [Location, example

"Hallway"], please see

5 hours; Power/Smoke

LED: Flashes Green

in sync with horn

Horn: "chirps" 5 times

seconds; Voice: "Detector

error in [Location, example "Basement"], please

see manual." Repeated

very 5 hours.; Power

Smoke LED: Flashes Gre

The Alarms are linked

with each other.

but do not communicate

of this ma

in sync with horn

mately every 45

nual" repeated every

approximately every 45

TROUBLESHOOTING GUIDE

WEEKLY TESTING

A WARNING!

A CAUTION!

the bracket by pushing

counterclockwise (left)

the mounting bracket and

Alarm to the mounting

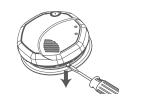
bracket the locking pin's

head will fit into a notch

through the hole on the

back of the Smoke Alarm

as shown in the diagram



05 TESTING & MAINTENANCE

NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the unit or to your home. NEVER use vehicle exhaust! Exhaust may cause permanent damage

• 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.

It is important to test this unit every week to make sure it is working properly. Using the test button is the recommended way to test this Smoke/CO Alarn

You can test this Smoke/CO Alarm by pressing and holding the Test/Silence button on the Alarm cover until Alarm voice says "Testing" (typically 3-5 seconds) If the unit does not Alarm, make sure the batteries are correctly installed, and test again. If the

unit still does not Alarm, replace it immediately. This unit has been designed to be as maintenance free as possible, but there are a few simple things

you must do to keep it working properly. Clean the Smoke/CO Alarm at least once a month; gently vacuum the outside of the Smoke/CO

Alarm using your household vacuum's soft brush attachment. A can of clean compressed air (sold at computer or office supply stores) may also be used. Follow manufacturer instructions for use. Test the Smoke/CO Alarm. Never use water, cleaners or solvents since they may damage the unit. • If the Smoke/CO Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid unwanted Alarms, replace the unit immed Relocate the unit if it sounds frequent unwanted Alarms. See "Where This Alarm Should Not Be

 Protect or cover the alarm when doing any maintenance to home i.e. sanding floors, painting, drywall patching, etc. to prevent contamination.

CHOOSING A REPLACEMENT BATTERY: Your Smoke/CO Alarm requires two standard AA batteries. The following batteries are acceptable as eplacements: Eveready Energizer E91 or Duracell MN1500. These batteries are available at many

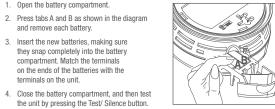
Always use the exact batteries specified by this User's Manual. DO NOT use rechargeable batteries. Clean the battery contacts and also those of the device prior to battery installation. Install batteries correctly with regard to polarity (+ and -). · Please dispose of or recycle used batteries properly, following any local regulations. Consult your

local waste management authority or recycling organization to find an electronics recycling facil in your area. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.

 Keep battery out of reach of children. In the event a battery is swallowed, immediately contact your poison control center, your physician, or the National Battery Ingestion hotline at 202-625-3333 as serious injury may occur.

Actual battery service life depends on the Smoke/CO Alarm and the environment in which it is installed. All the batteries specified above are acceptable replacement batteries for this unit. Regardless of the manufacturer's suggested battery life, you MUST replace the battery immediately once the unit starts "chirping" (the "low battery warning").

To replace the batteries (without removing Alarm from the ceiling or wall):



YOU SHOULD ...

new AA batteries*

unit is under warranty,

contact Consum

Support to process a

warranty replacement

PROBLEM. ow battery warning VIALFUNCTION SIGNAL Device is not working roperly, and needs to be replaced.

| ND OF LIFE SIGNAL. arm needs be replaced. | Immediately replace the Alarm. |
|---|--|
| ossible interference. eference the Wireless peration section | Move Alarms to different locations. Add an addition Alarm between the unresponsive Alarms |

| nterference. e the Wireless n section anual. | Move Alarms to different locations. Add an additional Alarm between the unresponsive Alarms to route the signal around obstructions. |
|--|---|

| CO Alarm goes back into Alarm 4 minutes after you Silence it. | 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. Refer to "If The CO Alarm Sounds" for details. | |
|--|--|--|--|
| 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 This Alarm" for details. | Relocate your Alarm. If frequent Alarms continue, have home rechecked for potential CO problems. You may be experiencing an intermittent CO problem. | |
| SMOKE ALARM ONLY | · | | |
| Smoke Alarm sounds when no smoke is visible. | Unwanted Alarm may be caused by non- emergency source | Silence Alarm using Test/ Silence button; clean the Alarm's cover with a soft, clean cloth. If frequent unwanted Alarms continue relocate your Alarm. Alarm may be too close to a kitchen, cooking appliance or steamy bathroom. | |

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

FIRE SAFETY TIPS

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children; 3) Store flammable materials in proper containers; 4) Keep electrical appliances in good condition and don't overload electrical circuits; 5) Keep stoves, barbecue grills, fireplaces and chimneys grease- and debris-free; 6) Never leave anything cooking on the stove unattended; 7) Keep portable heaters and open flames, like candles, way from flammable materials; 8) Don't let rubbish accumulate. Keep Alarms clean, and test them weekly. Replace Alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every level, and an additiona ne in the kitchen. Have fire escape ladders or other reliable means of escape from an upper level in case stairs are blocked; 9) Have an escape plan and practice it regularly.

06 IF YOUR SMOKE/CO ALARM SOUNDS

WHAT TO DO FIRST-IDENTIFY THE TYPE OF ALARM SIGNAL

| Type of Alarm | what you see and Hear | |
|----------------------|--|--|
| Carbon Monoxide (CO) | Voice: "Warning, evacuate carbon monoxide in [Location, example: "Hallway"]. Evacuate." " ppm."; Horn: 4 beeps, pause, 4 beeps, voice; LED: Flashes Red | |
| Smoke | Voice: "Warning, evacuate smoke in [Location, example: "Hallway"]. Evacuate."; Horn: 3 beeps, pause, 3 beeps, voice; LED: Flashes Red | |

IF THE CO ALARM SOUNDS

"ALARM-MOVE TO FRESH AIR"

If you hear the CO Alarm horn and the CO red light is flashing, move everyone to a source of fresh air. DO NOT remove the batteries

A WARNING!

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

I. Press the Test/Silence button.

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

- 3. 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.
- 4. After following steps 1-3, if your CO Alarm reactivates within a 24-hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from fuel-burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician, and consult the manufacturers' instructions, or contac the manufacturers directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not, been operating in an attached garage or adjacent to the residence. Write down the number of a qualified appliance technician here:

NOTE: A qualified appliance technician is defined as "a person, firm, corporation, or company that either in person or through a representative, is engaged in and responsible for the installation, testing, servicing, or replacement of heating, ventilation, air conditioning (HVAC) equipment, combustion appliances and equipment, and/or gas fireplaces or other decorative combustion equipment."

AFTER AN ALARM

After the emergency responders arrive, the premises aired out, and your CO Alarm remains in its normal condition, you can check what the highest carbon monoxide level sensed was:

| ction | Alarm Will Say | | |
|--|--|--|--|
| ress & Hold Test button | "Highest carbon monoxide level was ppm. Please see manual." | | |
| | "To clear highest carbon monoxide level, press and hold test button now." | | |
| ress & Hold Test button, if you would like to lear the highest level sensed. If you would ke to keep the highest level in memory, do ot press anything. | "Highest carbon monoxide level cleared." Alarm will say nothing. | | |
| | | | |

INECT" FEATURE

This Alarm includes "Smart Interconnect" which enables the Alarm to be interconnected with other First Alert® Smoke, Heat and "Smart Interconnect" CO Alarms. When smoke is detected, all Alarms will sound the smoke horn pattern. When CO is detected, "Smart Interconnect" Alarms will sound he CO horn pattern. Alarms that do not have the "Smart Interconnect" feature will remain silent during a CO Alarm.

IF THE SMOKE ALARM SOUNDS: RESPONDING TO AN ALARM

A WARNING!

- If the unit Alarms and you are not testing the unit, it is warning you of a potentially dangerou situation that requires your immediate attention. NEVER ignore any Alarm. Ignoring the Alarm may result in injury or death.
- Never remove the batteries from a battery operated Smoke/CO Alarm to stop an unwanted Alarr (caused by cooking smoke, etc.). Removing batteries disables the Alarm so it cannot sense smoke, and removes your protection. Instead open a window or fan the smoke away from the unit. The Alarm will reset automatically. · If the unit Alarms get everyone out of the house immediately

WHAT TO DO IN CASE OF FIRE

- Don't panic; stay calm. Follow your family escape plan
- Get out of the house as quickly as possible. Don't stop to get dressed or collect anything. Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door. Keep doors and windows closed, unless you must escape through them.
- Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths.
 Meet at your planned meeting place outside your home, and do a head count to make sure
- everybody got out safely. Call the Fire Department as soon as possible from outside. Give your address, then your name.
- Never go back inside a burning building for any reason. Contact your Fire Department for ideas on making your home safer.
- **A WARNING!**
- Alarms have various limitations. See "General Limitations of Smoke/CO Alarms" for details.

07 USING THE SILENCE FEATURES

A WARNING! ever remove the batteries to quiet an unwanted Alarm. Removing the batteries disables the

Alarm and removes your protection. The Silence Feature is intended to temporarily silence the horn while you identify and correct the problem. Do not use the Silence Feature in emergency situations. It will not correct a CO problem or extinguish a fire.

The Silence Feature can temporarily quiet an unwanted Alarm for several minutes. You can silence this Smoke/CO Alarm by pressing the Test/ Silence button on the Alarm cover for at least 3-5 seconds. After the Test/Silence button is released, the Red LED blinks during the silence mode, Activate the Alarm test, reset or silence function by use of a finger or thumb. Use of any other instrument is strictly prohibited.

| When the Smoke Alarm is Silenced | When the CO Alarm is Silenced |
|--|---|
| The Smoke Alarm will remain silent for up to 15 minutes, then return to normal operation. If the smoke has not cleared–or continues to increase–the device will go back into Alarm. | The CO Alarm will remain silent for up to 4 minutes. After 4 minutes, if CO levels remain potentially dangerous the horn will start sounding again. |

SILENCING THE LOW BATTERY WARNING

This Silence Feature can temporarily quiet the low battery warning "chirp" for up to 8 hours. You can silence the low battery warning "chirp" by pressing the Test/Silence button on the Alarm cov Once the low battery warning "chirp" Silence Feature is activated, the unit continues to flash the Green mately every 45 seconds for 8 hours. After 8 hours, the low battery "chirp" will resume. Replace the batteries as soon as possible; this unit will not operate without battery power

To deactivate this feature: Press the Test/Silence button again. The unit will go into Test Mode and the low battery warning will resume (LED flashes and unit sounds "chirp" approximately every 45 seconds). SILENCING THE END OF LIFE SIGNAL

This Silence Feature can temporarily quiet the End of Life warning "chirp" for up to 2 days, up to a total of 14 days. You can silence the End of Life warning "chirp" by pressing the Test/Silence button. The horn will chirp, acknowledging that the End of Life Silence Feature has been activated. After approximately 2 days, the End of Life "chirp" will resume.

08 WHAT YOU NEED TO KNOW ABOUT CO WHAT IS CO?

CO is an invisible, odorless, tasteless gas produced when fossil fuels do not burn completely, or are exposed to heat (usually fire). Electrical appliances typically do not produce CO.

These fuels include: Wood, coal, charcoal, oil, natural gas, gasoline, kerosene, and propane Common appliances are often sources of CO. If they are not properly maintained, are improperly ventilated, or malfunction, CO levels can rise quickly. CO is a real danger now that homes are more energy efficient. "Air-tight" homes with added insulation, sealed windows, and other weatherproofing can "trap" CO inside.

SYMPTOMS OF CO POISONING

These symptoms are related to CO POISONING and should be discussed with ALL household members. Mild Exposure: Slight headache, nausea, vomiting, fatigue ("flu-like" symptoms).

Medium Exposure: Throbbing headache, drowsiness, confusion, fast heart rate.

Extreme Exposure: Convulsions, unconsciousness, heart and lung failure. Exposure to carbon monoxide can cause brain damage death

IMPORTANT!

This CO Alarm measures exposure to CO over time. It Alarms if CO levels are extremely high in a short period of time, or if CO levels reach a certain minimum over a long period of time. The CO Alarm generally sounds an Alarm before the onset of symptoms in average, healthy adults. Why is this important? Because you need to be warned of a potential CO problem while you can still react in time. In many reported cases of CO exposure, victims may be aware that they are not feeling well, but become disoriented and can no longer react well enough to exit the building or get help. Also, young children and pets may be the first affected. The average healthy adult might not feel any symptoms when the CO Alarm sounds. However, people with cardiac or respiratory problems, infants, unborn babies, pregnant mothers, or elderly people can be more quickly and severely affected by CO. If you experience even mild symptoms of CO poisoning, consult your doctor immediately!

FINDING THE SOURCE OF CO AFTER AN ALARM

Carbon monoxide is an odorless, invisible gas, which often makes it difficult to locate the source of CO after an Alarm. These are a few of the factors that can make it difficult to locate sources of CO: · House well ventilated before the investigator arrives.

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

Because CO may dissipate by the time an investigator arrives, it may be difficult to locate the source of CO. First Alert shall not be obligated to pay for any carbon monoxide inves or service call.

POTENTIAL SOURCES OF CO IN THE HOME

Fuel-burning appliances like: portable heater, gas or

wood burning fireplace, gas kitchen range or cooktop, gas clothes dryer. Damaged or insufficient venting corroded or disconnected water

neater vent pipe, leaking chimne pipe or flue, or cracked heat xchanger, blocked or clogged

chimney opening. Improper use of appliance/

(levice: operating a barbecue grill or vehicle in an enclosed area (like

a garage or screened porch

Transient CO Problems: "transient" or on-again-off-again CO problems can be caused by outdoor onditions and other special circum

The following conditions can result in transient CO situations

CO POISONING

lso, have a professional check for rust and c

companies offer appliance inspections for a nominal fee.

backdraft. Look for cracks on furnace heat exchangers

sure you understand what to do if your CO Alarm sounds.

SMOKE ALARMS

MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

or AC/DC units be interconnected for added protection.

IMPORTANT!

RECOMMENDED LOCATIONS FOR SMOKE ALARMS

INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES

Check the house or garage on the other side of shared wal

for proper maintenance of home appliances.

way that would block air flow.

1. Excessive spillage or reverse venting of fuel appliances caused by outdoor conditions such as: Wind direction and/or velocity, including high, gusty winds. Heavy air in the vent pipes (cold/humid air

These conditions are dangerous because they can trap exhaust in your home. Since these

conditions can come and go, they are also hard to recreate during a CO investigation

09 HOW CAN I PROTECT MY FAMILY FROM

A CO Alarm is an excellent means of protection. It monitors the air and sounds a loud Alarm before

Clean chimneys and flues yearly. Keep them free of debris, leaves, and nests for proper air flow.

bon monoxide levels become threatening for average, healthy adults. A CO Alarm is not a substitute

can prevent proper air movement and cause backdrafting. Never "cap" or cover a chimney in any

Test and maintain all fuel-burning equipment annually. Many local gas or oil companies and HVAC

Make regular visual inspections of all fuel-burning appliances. Check appliances for excessive rust and scaling. Also check the flame on the burner and pilot lights. The flame should be blue. A yellow

flame means fuel is not being burned completely and CO may be present. Keep the blower door

on the furnace closed. Use vents or fans when they are available on all fuel-burning appliances.

on screen porches.

Check for exhaust backflow from CO sources. Check the draft hood on an operating furnace for a

Keep windows and doors open slightly. If you suspect that CO is escaping into your home, open a

In addition, familiarize yourself with all enclosed materials. Read this manual in its entirety, and make

The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every

sleeping area, and in every bedroom. In new construction, the Smoke Alarms must be AC powered and

interconnected. See "Agency Placement Recommendations" for details. For additional coverage, it is

ecommended that you install a Smoke Alarm in all rooms, halls, storage areas, finished attics, and

basements, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make

• In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.

pecific requirements for Smoke Alarm installation vary from state to state and from region to region.

Check with your local Fire Department for current requirements in your area. It is recommended AC

sure no door or other obstruction could keep smoke from reaching the Smoke Alarms

· At the top of the first-to-second floor stairway, and at bottom of basement stairway

On every level of your home, including finished attics and basements

Inside every bedroom, especially if people sleep with doors closed.

If a hall is over 40 feet (12 meters) long, install an Alarm at each end.

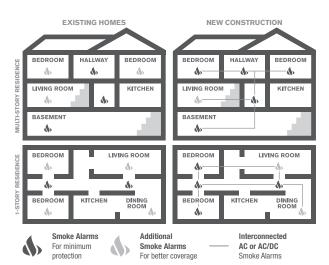
window or a door. Opening windows and doors can significantly decrease CO levels

10 REGULATORY INFORMATION FOR

Make sure appliances are vented to the outside. Do not grill or barbecue indoors, or in garages or

- 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.
- 2. Extended operation of unvented fuel burning devices (range, oven, fireplace)
- 3. Temperature inversions, which can trap exhaust close to the ground. 4. Car idling in an open or closed attached garage, or near a home.

TO HELP PREVENT CO PROBLEMS AND REDUCE THE RISK OF CO POISONING:



11 REGULATORY INFORMATION FOR CO ALARMS WHAT LEVELS OF CO CAUSE AN ALARM?

Underwriters Laboratories Inc. Standard UL2034 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).

UL2034 Required Alarm Points*:

- If the Alarm is exposed to 400 ppm of CO, IT MUST ALARM BETWEEN 4 and 15 MINUTES.
- If the Alarm is exposed to 150 ppm of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES.
 If the Alarm is exposed to 70 ppm if CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.
- * Approximately 10% COHb exposure at levels of 10% to 95% Relative Humidity (RH). The unit is designed not to Alarm when exposed to a constant level of 30 ppm for 30 days.

IMPORTANT!

O Alarms are designed to Alarm before there is an immediate life threat. Since you cannot see or smell CO, never assume it's not present.

• An exposure to 100 ppm of CO for 20 minutes may not affect average, 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. Standards: Underwriters Laboratories Inc. Single and Multiple Station Carbon

Monoxide Alarms UL2034.

According to Underwriters Laboratories Inc. UL2034, Section 1-1. 2: "Carbon monoxide Alarms covered by these requirements are intended to respond to the presence of carbon monoxide from sources such as, but not limited to, exhaust from internal-combustion engines, abnormal operation of fuel-fired appliances, and fireplaces. CO Alarms are intended to Alarm at carbon monoxide levels below those that could cause a loss of ability to react to the dangers of carbon monoxide exposure. "This CO Alarm monitors the air at the Alarm, and is designed to Alarm before CO levels become life threatening. This allows you precious time to leave the house and correct the problem. This is only possible if Alarms are located, installed, and maintained as described in this manual.

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), 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).

12 AGENCY PLACEMENT RECOMMENDATIONS

Standards: Underwriters Laboratories Inc. Single and Multiple Station Smoke Alarms 217. NFPA 72 CHAPTER 29 "FOR YOUR INFORMATION, THE NATIONAL FIRE ALARM AND SIGNALING CODE, NFPA 72, READS AS FOLLOWS:"

29.5.1* Required Detection

29.5.1.1* Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single and multiple-station Smoke Alarms shall be installed as follows

1. *In all sleeping rooms and guest rooms

2. *Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel 3. On every level of a dwelling unit, including basements

4. On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics

- 5. *In the living area(s) of a guest suite
- 6. In the living area(s) of a residential board and care occupancy (small facility)

(Reprinted with permission from NFPA 72 $^{\circ}$, National Fire Alarm and Signaling Code Copyright © 2012 National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete

and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety). (National Fire Alarm and Signaling Code® and NFPA 72® are registered trademarks of the National Fire

Protection Association, Inc., Quincy, MA 02269).

CALIFORNIA STATE FIRE MARSHAL (CSFM)

Early warning detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: A Smoke Alarm installed in each separate sleeping area (in the vicinity, but outside bedrooms), and Heat or Smoke Alarms in the living rooms, dining rooms, bedrooms, kitchens, hallways, finished attics, furnace rooms, closets, utility and storage rooms, basements, and attached garages



13 SPECIAL COMPLIANCE CONSIDERATIONS

This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care facilities, health care facilities, boarding houses, group homes and dormitories provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places housing many people-like apartment buildings, condominiums, hotels, motels, dormitories, hospitals, health care facilities, nursing homes, day care facilities, or group homes of any kind. It is not a suitable substitute for complete fire detection systems in warehouses, industrial facilities, commercial buildings and special-purpose non-residential buildings which require special fire detection and Alarm systems. Depending on the building codes in your area, this Smoke Alarm may be used to provide additional protection in these facilities.

In new construction, most building codes require the use of AC or AC/DC powered Smoke Alarms only. In existing construction, AC, AC/DC, or DC powered Smoke Alarms can be used as specified by local building codes. THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72 (National Fire Protection Association, Batterrymarch Park, Quincy, MA 02269). Refer to NFPA 101 (Life Safety Code), local building codes, or consult your Fire

HUD MAP PROGRAM

Certain HUD battery powered Smoke Alarm applications, especially those that fall under HUD 223(f) MAP (Multi-family Accelerated Processing), may require a 10 Year sealed tamper resistant battery. This Alarm does not meet that requirement. Substitute First Alert SA340B.

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device. pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can adiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determine by turning the equipment off and on, the user is encouraged to try to correct the interference by one or nore of the following measur

· Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that of the receiver.

Consult the dealer or an experienced radio or TV technician for help.

A WARNING!

Changes or modifications to the product, not expressly approved by First Alert, could void the user's authority to operate the equipment. FCC ID: M7U-500V

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two onditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

14 GENERAL LIMITATIONS OF SMOKE/CO ALARMS

This Smoke/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 Alarms must be met. The Smoke Alarm portion of this device is not intended to alert hearing lents. Special purpose Smoke Alarms should be installed for hearing impaired residents (CO Alarms are not yet available for the hearing impaired).

Smoke/CO Alarms may not waken all individuals. Practice the escape plan at least twice a year making sure that everyone is involved - from kids to grandparents. Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily waken to the sound of the Smoke/CO Alarm, or if there are infants or family nembers with mobility limitations, make sure that someone is assigned to assist them in fire drill and in the event of an emergency. It is recommended that you hold a fire drill while family members are sleeping in order to determine their response to the sound of the Smoke/CO Alarm while sleeping and to determine whether they may need assistance in the event of an emergency Smoke/CO Alarms cannot work without power. Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot work if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a power station, electrical fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or AC power, install both types of units. This Smoke/CO Alarm will not sense smoke or CO that does not reach the sensors. It will only sense smoke or CO at the sensor. Smoke or CO may be present in other areas. Doors or other obstructions may affect the rate at which CO or smoke reaches the sensors. If before more are usually closed at night, we recommend you install an Alarm device (Combination CO and Smoke Alarm, or separate CO Alarms and Smoke Alarms) in each bedroom and in the hallway between them This Smoke/CO Alarm may not sense smoke or CO on another level of the home. Example: This Alarm device, installed on the second floor, may not sense smoke or CO in the basement. For this reason, one Alarm device may not give adequate early warning. Recommended minimum protection is one Alarm device in every sleeping area, every bedroom, and on every level of your home. Some experts recommend battery powered smoke and CO Alarms be used in conjunction with interconnected AC powered Smoke Alarms. For details, see "About Smoke Alarms" for details.

Smoke/CO Alarms may not be heard. The Alarm horn loudness meets or exceeds current UL standards of 85 dB at 10 feet (3 meters). However, if the Smoke/CO Alarm is installed outside the bedroom, it may not wake up a sound sleeper or one who has recently used drugs or has been drinking alcoholic beverages. This is especially true if the door is closed or only partly open. Even persons who are awake may not hear the Alarm horn if the sound is blocked by distance or closed doors. Noise from traffic, stereo, radio, television, air conditioner, or other appliances may also preven lert persons from hearing the Alarm horn. This Smoke/CO Alarm is not intended for people who are hearing impaired.

The Alarm may not have time to Alarm before the fire itself causes damage injury or death since smoke from some fires may not reach the unit immediately. Examples of this include persons smoking in bed, children playing with matches, when a person's clothing catches fire while cooking, fires caused by violent explosions resulting from escaping gas, or incendiary fires where the fire grows so rapidly that an occupant's egress is blocked even with properly **located Smoke Alarms**

This Smoke/CO Alarm is not a substitute for life insurance. Though this Smoke/CO Alarm warns against increasing CO levels or the presence of smoke, First Alert does not warrant or imply in any way that they will protect lives. Homeowners and renters must still insure their lives

This Smoke/CO Alarm has a limited life. Although this Smoke/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 this device weekly. The unit should be replaced immediately if it is not operating properly.

This Smoke/CO Alarm is not foolproof. Like all other electronic devices, this Smoke/CO Alarm has limitations. It can only detect smoke or C0 that reaches the sensors. It may not give early warning of the source of smoke or CO is in a remote part of the home, away from the Alarm device.

15 LIMITED WARRANTY

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

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

This warranty does not cover normal wear of parts or damage resulting from any of the following negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disassembly, repair or alteration by anyone other than First Alert or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes or any batteries that are included with this unit.

First Alert shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above initiations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

HOW TO OBTAIN WARRANTY SERVICE

Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Support Team at 1-800-323-9005. To assist us in serving you, please have the model number and date of purchase available when calling.

Battery: First Alert make no warranty, express or implied, written or oral, including that of merchantability or fitness for any particular purpose with respect to battery. Disposal: Please follow local guidelines regarding the disposal or recycling of batteries and/or electronics.

| For your records, please record: | | |
|---|------------|---------------|
| Date Purchased: | | |
| Where Purchased: | | |
| Date Installed:/ | Month/Year | |
| Replace Alarm 10 years after installation | n. | |
| Please write the date in the space provi | ded: | Month/Yea |
| | | |

The Alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit. The End-of-Life Signal can be silenced for up to 2 days. Do not unplug or deactivate the Alarm

until you get replacement. Printed in Mexico | M08-0606-000 03/23

CONFORMS TO UL STD 217 AND UL STD 2034

firstalert.com



© 2023 Resideo Technologies, Inc. All rights reserved. These products are manufactured by Resideo Technologies, Inc. and its affiliates. 3001 Liberty Street, Aurora, IL 60504-8122. Consumer Support Team: (800) 323-9005 | firstalert.com