USER'S MANUAL

SMOKE ALARM

BATTERY POWERED WITH WIRELESS INTERCONNECT AND VOICE & LOCATION Model SM500V

IMPORTANTI PLEASE READ CAREFULLY AND SAVE The warnings/limitations card and manual contains important

information about your Smoke Alarm's operation. If you are 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 Alarm needs. You have purchased a state-of-the art Smoke Alarm designed to provide you with early warning of a fire. Please take the time to read this manual and make the Smoke Alarm an integral part of your family's safety plan.

BASIC SAFETY INFORMATION

▲ WARNING!

- This unit will not alert hearing impaired residents. It is recommended that you install special units hich use devices like flashing strobe lights to alert hearing impaired residents. • 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.
- . Unit will not operate without battery power. The Smoke Alarm cannot work until you activate the battery power pack.

A CAUTION!

- Do not install this unit over an electrical junction box. Air currents around junction boxes ca prevent smoke from reaching the sensing chamber and prevent the unit from Alarming. Only AC powered units are intended for installation over junction boxes.
- Do not stand too close to the unit when the Alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.
- Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

02 ABOUT SMOKE ALARMS

TYPES OF ALARMS

All these Smoke Alarms are designed to provide early warning of fires if located, installed and care for as described in the user's manual, and if smoke reaches the Alarm. If you are unsure which type of Alarm and Signaling Code) and NFPA 101 (Life Safety Code). National Fire Protection Association, One Batterymarch 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. 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 nearing impaired. They include a visual Alarm and an audible Alarm horn, and meet the requiren of the Americans With Disabilities Act. These units can be interconnected so if one unit senses smoke

Smoke Alarms are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose

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



notoelectric technology is generally more sensitive than ionization technology at detecting large particles, which tend to be produced in greater amounts by smoldering fires, which may smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

lonization technology is generally more sensitive than photoelectric technology at

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

IFPA), 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).

NOTE: For added protection, install an additional Smoke/CO Alarm at least 15 feet (4.6 meters) away from the furnace or fuel burning heat source where possible. In smaller homes or in manufactured 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 SMOKE 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:



One on every level and Carbon Monoxide Alarm

Smoke Alarm

One on every level and in every bedroom

Fire Extinguisher One on every level, plus kitchen and garage

- 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 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 m 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 fuel-burning source. Ventilate these areas as much as possible. 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 smoke from

- 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 chamb
- Less than 12 inches (305 mm) away from fluorescent lights. Electrical "noise" can interfere
- In "dead air" spaces
- with the sensor.

AVOIDING DEAD AIR SPACES

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

On ceilings, install Smoke Alarms as close to the center of the ceiling as possible. If this is not possible. nstall 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

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

WIRELESS OPERATION

'dead air" spaces.

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 warning of potential danger, and gives you more time to react.

The 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 levels, 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 Interceived Interference from structural conditions can be overcome by adding additional Alarms to route the wireless signal around obstructions. A maximum of 18 compatible units may be interconnected (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

Your First Alert® Wireless Interconnect Smoke Alarm will automatically communicate potential fires with all other compatible First Alert® Wireless Interconnect Smoke/CO Alarms.

HOW TO INSTALL THIS ALARM

doors opened and closed

. This Smoke Alarm was designed to be mounted on the ceiling or wall. It is not a tabletop evice. 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 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.

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,

THE PARTS OF THIS SMOKE ALARM

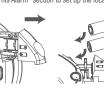
- 1 Battery compartment, install batteries here
- 2 Test/Silence button
- 3 Power/Smoke Alarm LED 4 Turn this way to remove
- 5 Turn this way to attach
- 6 Mounting bracket 7 Mounting slots

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 for installation over electrical boxes.
- 2. Hold the mounting bracket against the ceiling (or wall) so the vertical 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.
- 5. Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.
- 6. 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 which 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,
- 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 1. 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 hatteries but KEEP THE button and close drawer at the same until 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 Programming 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"

STEP BY STEP GUIDE TO PROGRAMMING THIS ALARM

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.

Action	Alarm Will Say
Insert batteries (2, AA batteries)	"Welcome, First Alert Smoke Alarm." "No location programmed" if first time or "[Location, example: "Basement"] location programmed" when changing batteries. "To select location, press and hold test button now."
Press & hold test button if you would like to program the location or change the location of the Alarm. Release button after Alarm responds.	"To save location, press and hold test button after location is heard." Alarm will speak list of locations (see below).
After you hear the location of where you are placing the Alarm, press & hold	"[Location, example: "Basement"] location saved." If no location is chosen: "No

location saved."



locking pin and the lock and pry the pin out of the lock.

TO LOCK THE MOUNTING BRACKET

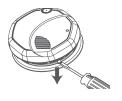
Using needle-nose pliers, detach the pin from the mounting bracket.





TO UNLOCK THE MOUNTING BRACKET

between the mounting bracket and the locking pin. 2. Pry the Alarm away from the



05 TESTING & MAINTENANCE

WEEKLY TESTING

- A WARNING!
- 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
- and voids your warranty. 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. A CAUTION! 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 Alarn ou can test this Smoke 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.

REGULAR MAINTENANCE 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.

- · Test it at least once a week. Clean the Smoke Alarm at least once a month; gently vacuum the outside of the Smoke Alarm using your household vacuum's soft brush attachment. A can of clean compressed air (sold at
- using your industrial vacuum's activities and the state of the state o
- If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid unwanted Alarms, replace the unit immediately.
- Relocate the unit if it sounds frequent unwanted Alarms. See "Where This Alarm Should Not Be"
- Installed" for details.

 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 Alarm requires two standard AA batteries. The following batteries are acceptable as replacements: Eveready Energizer E91 or Duracell MN1500. These batteries are available at many local retail stores.

- A WARNING! Always use the exact batteries specified by this User's Manual. DO NOT use rechargeable batteries. Clean the battery contacts and also those of the device prior to battery insta
- Install batteries correctly with regard to polarity (+ and -). · Please dispose of or recycle used batteries properly, following any local regulations. Consult your in your area. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.
- A WARNING! Keep battery out of reach of children. In the event a battery is swallowed, immediately contact your poison control center, your physician, or the National Battery Ingestion hotline at 202-625-3333 as serious injury may occur.

IMPORTANT!

Actual battery service life depends on the Smoke 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):

- . Open the battery compartment 2. Press tabs A and B as shown in the diagram and remove each battery.
- 3. Insert the new batteries, making sure they snap completely into the battery compartment. Match the terminals on the ends of the batteries with the terminals on the unit.

Horn sounds three "chirps

approximately every 45

error in [Location, examp

"Basement"], please

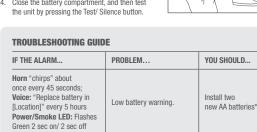
see manual." Repeated

with each other.

Smoke Alarm sounds when

no smoke is visible.

4. Close the battery compartment, and then test the unit by pressing the Test/ Silence button



econds; Voice: "Detector WALFUNCTION SIGNAL error in [Location, example Device is not working "Hallway"], please see o be replaced. 5 hours; Power/Smoke **LED:** Flashes Gree in sync with horn Horn: "chirps" 5 times seconds; Voice: "Detector

Smoke LED: Flashes Gr in sync with horn Move Alarms to different ocations. Add an additiona The Alarms are linked eference the Wireless Alarm between the but do not communicate

Operation section

END OF LIFE SIGNAL

to be replaced.

support to process a

warranty replacement.

eplace the Alarm.

nresponsive Alarms

clean cloth. If frequent

may be too close to a

elocate your Alarm. Alarm

to route the signal

around obstructions **SMOKE ALARM ONLY** Silence Alarm using Test/ Silence button; clean the larm's cover with a soft

or steamy bathroom.

*For a list of acceptable replacement batteries, see "Regular Maintenance. If you have questions that cannot be answered by reading this manual, call the port 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) Keen stoves, harheque grills, firenlaces and chimneys grease- and debris-free: 6) Never leave nything cooking on the stove unattended; 7) Keep portable heaters and open flames, like cal away 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 additional one 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 ALARM SOUNDS WHAT TO DO FIRST-IDENTIFY THE TYPE OF ALARM SIGNAL

'SMART INTERCONNECT" FEATURE

RESPONDING TO AN ALARM A WARNING!

If the unit Alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires your immediate attention. NEVER ignore any Alarm. Ignoring the Alarm may

Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted Alarm (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

. 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 Alarms" for details.

07 USING THE SILENCE FEATURES A WARNING!

Never remove the batteries to quiet an unwanted Alarm. Removing the batteries disables the Alarm and removes your protection.

nas not cleared – or continues to increase – the device will go back into Alarm.

silence the Low Battery Warning "chirp" by pressing the Test/Silence button on the Alarm

Low Battery Warning will resume (LED flashes and unit sounds "chirp" once a minute)

If you hear 3 or 5 chirps every minute or so, replace the Smoke Alarm.

08 REGULATORY INFORMATION FOR

SILENCING THE LOW BATTERY WARNING

SILENCING THE END OF LIFE SIGNAL

IF YOU SUSPECT A PROBLEM

all the way securely.

Obtain Warranty Service" in the Limited Warranty

MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

IMPORTANT!

SMOKE ALARMS

RECOMMENDED LOCATIONS FOR SMOKE ALARMS

INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES

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

The Smoke Alarm will remain silent for up to 15 minutes, then return to normal operation. If the smoke

This Silence Feature can temporarily quiet the Low Battery Warning "chirp" for up to 8 hours. You can

Once the Low Battery Warning "chirp" Silence Feature is activated, the unit continues to flash the Green

Light once a minute 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

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 but The horn will chirp, acknowledging that the End of Life Silence Feature has been activated. After

Smoke Alarms may not operate properly because of a dead, missing or weak batteries, a build-up of

again. If it fails to test properly when you use the test button, or if the problem persists, replace the

• If you experience frequent non-emergency Alarms (like those caused by cooking smoke), try

• If the Alarm sounds when no smoke is visible, try cleaning or relocating the Smoke Alarm. The

• If the Alarm does not sound during testing, make sure the power pack activating lever is pushed

If the Smoke Alarm is still not operating properly, and it is still under warranty, please see "How to

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

pasements, 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.

ecific 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.

or AC/DC units be interconnected for added protection.

Do not try fixing the Alarm yourself — this will void your warranty!

dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke

ribed in "Regular Maintenance" and install fresh batteries, then test the Smoke Alarm

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 situation

more of the following measures: The Silence Feature can temporarily quiet an unwanted Alarm for several minutes. You can silence this Smoke Alarm by pressing the Test/Silence button on the Alarm cover for at least 3-5 seconds. After the · Reorient or relocate the receiving antenna. est/Silence button is released, the Red LED blinks during the silence mode.

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.

authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two

11 GENERAL LIMITATIONS OF SMOKE ALARMS

This Smoke 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 impaired

Smoke 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 Alarm, or if there are infants or family mbers 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

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 in 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.

in each bedroom and in the hallway between them. This Smoke Alarm may not sense smoke on another level of the home. Example: This Alarm evice, installed on the second floor, may not sense smoke 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

Smoke Alarms For details see "About Smoke Alarms" for details

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 affic, stereo, radio, television, air conditioner, or other appliances may also prevent alert persons from hearing the Alarm horn. This Smoke Alarm is not intended for people who are hearing impaired.

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

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

limitations. It can only detect smoke that reaches the sensors. It may not give early warning if the source of smoke is in a remote part of the home, away from the Alarm device.

Homeowners and renters must still insure their lives.

12 LIMITED WARRANTY

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. negligent use or misuse of the product, use on improper voltage or current, use contrary to the

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 incidenta or consequential damages or limitations on how long an implied warranty lasts, so the above

HOW TO OBTAIN WARRANTY SERVICE

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

Disposal: Please follow local guidelines regarding the disposal or recycling of batteries

Please write the date in the space provided: The Alarm will also provide an audible End-of-Life Signal approximately 10 years after

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nstallation to remind you to replace the unit.

For your records, please record:

Date Purchased:



anufactured by Resideo Technologies, Inc. and its affiliates. 3901 Liberty Street, Aurora, IL 60504-8122. Consumer Support Team: (800) 323-9005 | firstalert.com

health care facilities, nursing homes, day care facilities, or group homes of any kind. It is not a uitable substitute for complete fire detection systems in warehouses, industrial facilities, con 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

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places

nousing many people—like apartment buildings, condominiums, hotels, motels, dormitories, hospitals,

PROTECTION ASSOCIATION'S STANDARD 72 (National Fire Protection Association, Batterymarch 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 larm does not meet that requirement. Substitute First Alert SA340B.

Department for detailed fire protection requirements in buildings not defined as "households

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 determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or

- Increase the separation between the equipment and receiver.

A WARNING! Changes or modifications to the product, not expressly approved by First Alert, could void the user's

conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

dents. Special purpose Smoke Alarms should be installed for hearing impaired resi

sleeping in order to determine their response to the sound of the Smoke Alarm while sleeping and to determine whether they may need assistance in the event of an emergency.

at the sensor. **Smoke may be present in other areas.** Doors or other obstructions may affect the rate at which smoke reaches the sensors. If bedroom doors are usually closed at night, we recommend you install an Alarm device (Combination CO and Smoke Alarm, or separate CO Alarms and Smoke Alarms)

Smoke 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 Alarm is installed outside the bedroom, it may

recommend battery powered Smoke Alarms be used in conjunction with interconnected AC powered

located Smoke Alarms. This Smoke Alarm is not a substitute for life insurance. Though this Smoke Alarm warns against

the presence of smoke, First Alert does not warrant or imply in any way that they will protect lives.

This Smoke Alarm is not foolproof. Like all other electronic devices, this Smoke Alarm has

First Alert $^{\circ}$ 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 eplace 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 no longer available, replacement may be made with a similar product of equal or greater value. This is

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is

This warranty does not cover normal wear of parts or damage resulting from any of the following: 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,

ons 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.

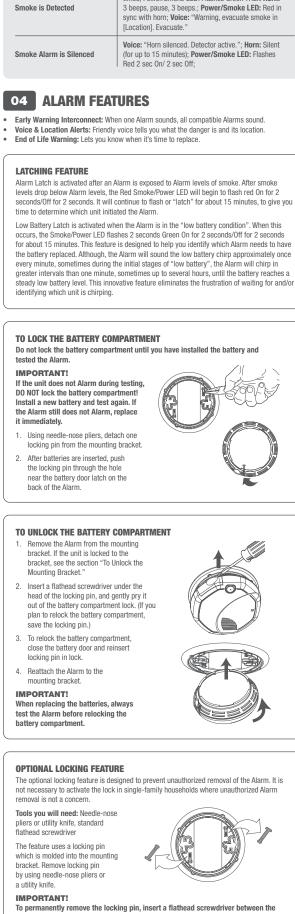
Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Support Team at 1-800-323-9005. To assist us in serving you, please merchantability or fitness for any particular purpose with respect to battery.

Where Purchased: Date Installed: _____/____Month/Year Replace Alarm 10 years after installation.

The End-of-Life Signal can be silenced for up to 2 days. Do not unplug or deactivate the Alarm until you get replacement.



firstalert.com



What You Will See & Hear

Under Normal Operations

When You Test the Alarm

If Battery Becomes Low

Operating Properly

Alarm has reached

Smoke is Detected

its End of Life

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

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

peeps, 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."

"Hallway"]." Repeated every 5 hours; Horn: chirps

Flashes Green approximately every 45 seconds

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

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

Power/Smoke LED: Flashes Green in sync with horn

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

imes; Power/Smoke LED: Flashes Green THEN Horn:

chirps approximately every 45 seconds; Power/Smoke

ately every 45 seconds; Power/Smoke LED:

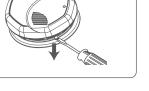
Voice: "Replace battery in [Location, example

LED: Flashes Green in sync with horn;

Voice: "Detector error in [Location, example "Basement"], please see manual." Repeated every 5 hours; **Horn:** 5 chirps approximately every 45 seconds;

Green once approximately every 45 seconds





Insert a flathead screwdriver in

bracket by pushing up the screwdriver and turning the Alarm counterclockwise (left)

IF THE SMOKE ALARM SOUNDS:

Voice: "Warning, evacuate smoke in [Location,

example: "Hallway"]. Evacuate."; **Horn:** 3 beeps, pause, 3 beeps, voice; **LED:** Flashes Red

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

NEW CONSTRUCTION

For minimum Smoke Alarms For hotter covers

CODE, NFPA 72, READS AS FOLLOWS:"

1. *In all sleeping rooms and guest rooms

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

Standards: Underwriters Laboratories Inc. Single and Multiple Station Smoke Alarms 217.

09 AGENCY PLACEMENT RECOMMENDATIONS

NFPA 72 CHAPTER 29 "FOR YOUR INFORMATION, THE NATIONAL FIRE ALARM AND SIGNALING

2. *Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a

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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)

sleeping room, with the distance measured along a path of trave

3. On every level of a dwelling unit, including basements

represented only by the standard in its entirety).

basements, and attached garages.

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,

10 SPECIAL COMPLIANCE CONSIDERATIONS This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care

acilities, 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, allways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

Smoke Alarms cannot work without power. Battery operated units cannot work if the batteries This Smoke Alarm will not sense smoke that does not reach the sensors. It will only sense smoke

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

This Smoke Alarm has a limited life. Although this Smoke Alarm and all of its parts have passed

hurricanes and tornadoes or any batteries that are included with this unit.