

## **USER'S MANUAL RV SMOKE ALARM**

BATTERY OPERATED Model SMI100RV

IMPORTANT! PLEASE READ CAREFULLY AND SAVE The warnings/limit ions card and manual cont information about your Smoke Alarm's operation. If you are installing 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 visite firstalert.com

- **A WARNING!** This unit will not alert hearing impaired residents. It is recommended that you
- install special units which use devices like flashing strobe lights to alert hearing 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 t from working properly. · Unit will not operate without battery power. The Smoke Alarm cannot work until you install
- the battery in the correct position (Match "+" to "+" and "-" to "-"). **A CAUTION!** 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 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.

## 01 INTRODUCTION

Thank you for choosing First Alert<sup>®</sup> for your Smoke Alarm needs. You have purchased a state-of-the ard 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** IMPORTANT!

Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations. Pay special attention to these items.

- A CAUTION!
- 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 Smoke Alarm cannot operate without working batteries. Removing the batteries for any reason, or failing to replace the batteries at the end of their service life, removes your protectio
   NEVER ignore any Alarm. See "If Your Smoke 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 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.

# 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 unit to install, refer to NFPA (National Fire Protection Association) 72 (National Fire Alarm and Signaling ode) and NFPA 101 (Life Safety Code). National Fire Protection Association, One Batterymarch Parl Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in lifferent areas of the home.

- Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the patteries are fresh and correctly installed. Units are easy to install, and do not require professional nstallation. They do not, however, provide interconnected functionality.
- AC powered Smoke Alarms: Can be interconnected so if one unit senses smoke, all units Alarm. hey 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 electricia

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 battery powerd 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<sup>®</sup> 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.

onization technology is generally more sensitive than photoelectric technology at  $(\mathbf{i})$ detecting small particles, which tend to be produced in greater amounts by flaming 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  $|\mathbf{P}|$ 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. 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

The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every eeping area, and in every bedroom. In new construction, the Smoke Alarms must be AC powered an ions" for details. For additional coverage, it i recommended 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 sure no door or other obstruction could keep smoke from reaching the Smoke 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 doors closed.

In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. If a hall is over 40 feet (12 meters) long install an Alarm at each end · At the top of the first-to-second level stairway, and at bottom of basement stairway

IMPORTANT!

Specific 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 or AC/DC units be interconnected for added protection. **RECOMMENDED PLACEMENT** 



 $(\mathbf{i})$ 

- 10 feet (3 meters) away from showers, saunas, dishwashers, etc. Where the temperatures are regularly below 40° F (4.4° C) or above 100° F (37.8° C), including unheated buildings, outdoor rooms, porches, or unfinished attics or basements. In very dusty, dirty, or greasy areas. Do not install a Smoke Alarm directly over the stove or range. Keep laundry room Smoke Alarms free of dust or lint. Near fresh air vents, ceiling fans, or in very drafty areas. Drafts can blow smoke away from the unit, preventing it from reaching the sensing chamber.
- In insect infested areas. Insects can clog openings to the sensing chamber and cause

FOR BEST PERFORMANCE, IT IS RECOMMENDED YOU AVOID INSTALLING SMOKE ALARMS

· 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 darms 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

. In air streams near kitchens. Air currents can draw cooking smoke into the sensing chamber of a

In very damp, humid or steamy areas, or directly near bathrooms with showers. Keep units at least

- Less than 12 inches (305mm) away from fluorescent lights. Electrical "noise" can interfere with the senso
- In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm. AVOIDING DEAD AIR SPACES
- Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow the installation recommendations below  $\textbf{On ceilings,} install \ Smoke \ Alarms as close to the center of the ceiling as possible. If this is not$
- possible, install the Smoke Alarm at least 4 inches (102 mm) from the wall or corne 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 the 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

HOW TO INSTALL THIS ALARM

WHERE NOT TO INSTALL THIS ALARM

areas as much as possible.

IN THESE AREAS:

- nis 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, hammer
- THE PARTS OF THIS SMOKE ALARM A Smoke LED (RED)
- B Power LED (GREEN)
- c Test/Silence button
- 1 Mounting Bracket
- 2 Locking pins
- (break out of bracket)
- 3 Mounting Slots 4 Latch to open
- battery compartment 5 Battery compartment -
- Install 9V battery here 6 Turn this way to remove
- 7 Turn this way to attach

## 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 stallation over electrical boxes.
- 2. Hold the bracket against the ceiling or wall and make a mark inside each hole where you will drill your mounting hole. To install on the wall, ensure that the round portions of the holes are vertical. Put the Alarm where it won't get covered with dust while you drill the holes.
- 3. Use a 3/16" (5mm) drill bit to drill through the marks you made
- 4. Insert the plastic screw anchors (in the plastic bag with the screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall. 5. Insert the screws but do not tighten completely. Leave them about  $1/8^{\prime\prime}$  (3mm) away from the wall.
- 6. Activate the battery. With the battery compartment open, install the battery so the terminals on the battery match the terminals on the Smoke Alarm. Match "+" to "+" and "-" to "-." Push the battery in until it snaps in securely and cannot be shaken loose. If the battery is not snapped in completely, the unit cannot receive battery power. The Smoke Alarm may beep briefly when you install the battery—this is normal.



Mounting Hole Sets

E.

If battery pull tab exists, activate the battery back-up by removing the "Pull to Activate Battery Back-Up" tab. You do no need to open the battery compartment during installation. 7. Position the base of the Smoke Alarm over the mounting bracket and turn. The Alarm car be positioned over the bracket every 60°. Turn the Smoke Alarm clockwise (right) until the

unit is in place. 8. Test the Smoke Alarm. See "Weekly Testing."

Action	What You Will See & Hear
Normal Operations	Horn: Silent; Power LED: Flashes GREEN 1 time every minute; Smoke LED: Off
When You Test the Alarm	Horn: Short "chirp", then 3 beeps, pause, 3 beeps; Power LED: Flashes GREEN 1 time; Smoke LED: Flashes RED in sync with horn
If Battery Becomes Low	Horn: Chirps 1 time every minute; Power LED: Flashes Green 1 time every minute; Smoke LED: Off
Low Battery Signal is Silenced	Horn: Silent (for up to 8 hours); Power LED: Flashes Green 1 time every minute; Smoke LED: Off
Alarm is Not Operating Properly (Malfunction Signal)	Horn: 3 chirps every minute; Power LED: Flashes Green 3 times every minute; Smoke LED: Off
Alarm has reached End of Life	Horn: 5 chirps every minute; <b>Power LED:</b> Flashes Green 5 times every minute; <b>Smoke LED:</b> Off
End of Life Signal is Silenced	Horn: Silent (for up to 2 days, 14 days total); Power LED: Flashes Green 5 times every minute; Smoke LED: Off
Smoke is Detected	Horn: 3 beeps, pause, 3 beeps, repeat; Power LED: Off; Smoke LED: Flashes Red in sync with horn
Smoke Alarm is Silenced (up to 15 Minutes)	Horn: Off; Power LED: Off; Smoke LED: Flashes Red 3 times, pause, 3 times, repeat

## 04 ALARM FEATURES

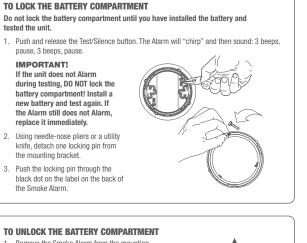
## • Easy Installation: Add protection in minutes.

#### LOCKING FEATURES

The optional locking features are designed to discourage unauthorized removal of the battery or Alarm. It is not necessary to activate the locks in single-family households where unauthorized battery or Alarm removal is not a concern. Battery Drawer Lock These Smoke/CO Alarms have two separate locking features: one locks the battery compartment, and the other locks the Smoke/ CO Alarm to the mounting bracket. You can choose to use either feature independently or use them both. Tools you will need: Needle-nose pliers or utility

Locking Pin

knife, standard flathead screwdriver Both locking features use locking pins, which are molded into the mounting bracket. Using needle nose pliers or a utility knife, remove one or both pins from the mounting bracket, depending on how many locking features you want to use.



#### Remove the Smoke Alarm from the mounting bracket. If the unit is locked to the bracket, see the section "To Unlock the Mounting Bracket." 2. Insert a flathead screwdriver under the head of

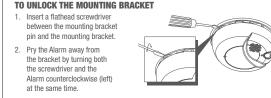
- the locking pin, and gently pry it out of the battery compartment lock. (If you plan to relock the battery compartment, save the locking pin.)
- 3. To relock the battery compartment, close the battery door and reinsert locking pin in lock.
- Reattach the Smoke Alarm to the mounting bracket **IMPORTANT!**

nen replacing the batteries, always test the Alarm before relocking the battery compartment.

#### TO LOCK THE MOUNTING BRACKET Using needle-nose plier detach one locking pir from mounting bracket Insert the locking pin into the lock located o the pivoting hinge of the battery compartment. When you attach the Smoke Alarm to the mounting bracket,

the locking pin's head will fit into a notch on the bracket.

#### TO UNLOCK THE MOUNTING BRACKET



# **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 ne unit or to your home. 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! Test Alarm operation after vehicle has been in storage, before each trip, and at least once per

week during use. Failure to do so can result in death or serious injury. It is important to test this unit every week to make sure it is working properly. Using the Test/ Silence button is the recommended way to test this Smoke Alarm. Press and release the Test' Silence button on the cover of the unit. The Alarm will chirp and then Alarm. If it does not Alarm, make sure the unit is receiving power and test it again. If it still does not Alarm, replace it immediate During testing, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause.

## **REGULAR MAINTENANCE**

alled" for details.

many local retail stores.

A WARNING!

**A WARNING!** 

IMPORTANT

IF THE ALARM ...

CHOOSING A REPLACEMENT BATTERY:

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. Test the Smoke Alarm. Never use water
- cleaners or solvents since they may damage the unit. If the green power LED flashes 2 times every minute (horn is silent) it means that the Alarm needs to be cleaned as indicated above. If green LED continues to flash, please call Consumer Support. • If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be

· Relocate the unit if it sounds frequent unwanted Alarms. See "Where This Alarm Should Not Be

· When the battery becomes weak, the Smoke Alarm unit will "chirp" about once a minute (the

Your Smoke Alarm requires one standard 9V battery. The following batteries are acceptable as

Always use the exact batteries specified by this User's Manual.  $\ensuremath{\text{D0 NOT}}$  use rechargeable

batteries. Clean the battery contacts and also those of the device prior to battery installation.

· Please dispose of or recycle used batteries properly, following any local regulations. Consult your

ent authority or recycling organization to find an el

in your area. DO NOT DISPOSE OF BATTERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK.

your poison control center, your physician, or the National Battery Ingestion hotline at

Actual battery service life depends on the Alarm and the environment in which it is installed. All

PROBLEM.

Battery may be

dead or missing.

Battery is low

MALFUNCTION SIGNAL.

Device is not working

END OF LIFE SIGNAL.

Alarm requires cleaning

properly, and needs

o be replaced.

to be replaced.

Actual battery service ine depends on the Alama and the environment in windon it is instanted. The 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

YOU SHOULD ..

Replace battery\*

eplace battery'

If unit is under warranty,

Support to process a

warranty replacement

Replace Alarm immediately

Clean Alarm then press and

continues to flash, contact

"Regular Maintenance"

section. If Green LED

Consumer Support.

ease the test button. See

low battery warning). This low battery warning should last for 7 days, but you should replace the

cements: Duracell #MN1604; Huiderui CP9V and Expocell CR9V. These batteries are available at

cleaned to avoid unwanted Alarms, replace the unit immediately.

Install batteries correctly with regard to polarity (+ and -).

battery immediately to continue your protection.

202-625-3333 as serious injury may occur

"chirping" (the "low battery warning")

TROUBLESHOOTING GUIDE

Green Power light is off. Unit

will not Alarm when you press the Test/Silence button

Horn "chirps" and Green

Horn "chirps" and Green

Horn "chirps" and Green

Power LED flashes Green

2 times every minute

Power LED flashes 5

times every minute

Power LED flashes 3

times every minute

Power LED flashes 1

time every minute

moke levels are still otentially dangerous	Refer to "If your Smoke Alarm Sounds" for details on how to respond to an Alarm. EVACUATE your home
nwanted Alarm may be aused by nonemergency purce like cooking smoke.	immediately and call 911. Silence Alarm using test/ silence button. Clean the Alarm's cover with a soft, clean cloth. If frequent unwanted Alarms continu relocate your Alarm. Alarm may be too close to a kitchen, cooking applianc or steamy bathroom.

Alarm goes back into

silence the Alarm

Alarm after you press the

Smoke Alarm sounds when

no smoke is visible.

FIRE SAFETY TIPS

an escape plan and practice it regularly.

**RESPONDING TO AN ALARM** 

esult in injury or death

Alarm will reset automatically.

WHAT TO DO IN CASE OF FIRE

everybody got out safely.

A WARNING!

A WARNING!

IF YOU SUSPECT A PROBLEM

relocating the Smoke Alarm.

Smoke Alarm immediately

cover may be dirty.

IMPORTANT!

**A**.co

Smoke Alarms

SCO Both OR Combination

Smoke/CO Alarms

CO CO Alarms

BATTERY OPERATED & W

A) CO

**A WARNING!** 

ence button to

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

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

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 store unattended; 7) Keep portable heaters and open flames, like candles, 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

## 06 IF THIS SMOKE ALARM SOUNDS

During an Alarm, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause.

If the unit Alarms get everyone out of the house immediately. 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

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

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 safe

Alarms have various limitations. See "General Limitations of Smoke Alarms" for details.

## **07 USING THE SILENCE FEATURES**

The Silence Feature can temporarily quiet an unwanted Alarm for up to 15 minutes. To use this feature, press the "Test/Silence" button. The Alarm remains functional. The LED will flash 3 times every few seconds (for up to 15 minutes) to remind you the Alarm has been silenced. The flashing LED will stop when the unit returns to normal operation

The Silence Feature does not disable the unit—it makes it temporarily less sensitive to smoke For your safety, if smoke around the unit is dense enough to suggest a potentially dangerous situation, the unit will stay in Alarm or may re-Alarm quickly. If you do not know the source of the smoke, do not assume it is an unwanted Alarm. Not responding to an Alarm can result in property loss, injury, or death. If the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously, it should be replaced immediately.

#### SILENCING THE LOW BATTERY WARNING

This Silence Feature can temporarily quiet the Low Battery Warning "chirp". Press the Test/Silence button on the Alarm. The Green light flashes normally, once every minute, during Low Battery Warning silence. After time, the low battery "chirp" will resume. Deactivate the Smoke Alarm and replace

#### SILENCING THE END OF LIFE SIGNAL

This Silence Feature can temporarily quiet the End of Life warning "chirp" for up to 2 days. You can silence the End of Life warning "chirp" by pressing the Test/Silence button. The horn will chirp, acknowledging that the End of Life Silence Feature has been activated. After approximately 2 days, the End of Life "chirp" will resume. The timer shall not be able to be reset

after 14 days following the initial end-of-life signal.

Smoke Alarms may not operate properly because of a dead, missing or weak batteries, a build-up of dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke Alarm as described in "Regular Maintenance" and install fresh batteries, then test the Smoke Alarm again. If it fails to test properly when you use the test button, or if the problem persists, replace the

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

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

If the Smoke Alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty Service" in the Limited Warranty

# 08 REGULATORY INFORMATION

**FOR SMOKE ALARMS** 

#### **RECOMMENDED LOCATIONS FOR SMOKE ALARMS**

INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every steping area, and in every bedrom. In every 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 ents, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make

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

MORE SPECIFICALLY, INSTALL SMOKE ALARMS: On every level of your home, including finished attics and basements

iside every bedroom, especially if people sleep with the door partly or completely close • 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 long (12 meters), install a unit at each end. At the top of the first-to-second floor stairway, and at the bottom of the basement stairway

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 or AC/DC units be interconnected for added protection.



Wireless Alarms

Wireless Interconnected Alarms Hardwired Interconnected AC or AC/DC Alarms

## **09 AGENCY PLACEMENT RECOMMENDATIONS**

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)

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#### **10** 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. 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.

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, 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, Batterymarch Park, Quincy, MA 02269). Refer to NFPA 101 (Life Safety Code), local building codes, or consult your Fire 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 ence in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to

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 more of the following measures

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that of the receiver.
- Consult the dealer or an experienced radio or TV technician for help.

#### **A WARNING!**

Changes or modifications to the product, not expressly approved by First Alert, could void the user's authority to operate the equipment.

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

### **11 GENERAL LIMITATIONS OF SMOKE ALARMS**

Smoke Alarms have played a key role in reducing deaths resulting from home fires worldwide However, like any warning device, Smoke Alarms can only work if they are properly located, installed, and maintained, and if smoke reaches them. They are not foolproof.

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 members 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 leeping 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.

Smoke 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. Smoke Alarms cannot detect fires if the smoke does not reach the Alarms. Smoke from fires in chimneys or walls, on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the Alarm. That is why one unit should be installed inside each bedroom or sleeping areaespecially if bedroom or sleeping area doors are closed at night-and in the hallway between them. Smoke Alarms may not detect fire on another level or area of the home. For example, a standalone unit on the second level may not detect smoke from a basement fire until the fire spreads. This may not give you enough time to escape safely. That is why recommended minimum protection is

at least one unit in every sleeping area, and every bedroom on every level of your home. Even with a unit on every level, stand-alone units may not provide as much protection as interconnected units especially if the fire starts in a remote area. Some safety experts recommend installing interconnected AC powerd units with battery back-up (see "About Smoke Alarms") or professional fire detection systems, so if one unit senses smoke, all units Alarm. Interconnected units may provide earlier varning than stand-alone units since all units Alarm when one detects smoke.

Smoke Alarms may not be heard. Though the Alarm horn in this unit meets or exceeds current standards, it may not be heard if: 1) the unit is located outside a closed or partially closed door, 2) residents recently consumed alcohol or drugs, 3) the Alarm is drowned out by noise from stereo. TV, traffic, air conditioner or other appliances, 4) residents are hearing impaired or sound sleepers. Special purpose units, like those with visual and audible Alarms, should be installed for hearing

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 hile 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

Smoke Alarms are not foolproof. Like any electronic device, Smoke Alarms are made of components that can wear out or fail at any time. You must test the unit weekly to ensure your continued protection. Smoke Alarms cannot prevent or extinguish fires. They are not a substitute for property or ife insurance

Smoke Alarms have a limited life. The unit should be replaced immediately if it is not operating properly. You should always replace a Smoke Alarm after 10 years from date of purchase. Write the purchase date on the space provided on back of unit.

## **12 LIMITED WARRANTY**

First Alert® 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. Replacement will be made with a new or remanufactured product or component. If the product is no longer vailable, replacement may be made with a similar product of equal or greater value. This is you exclusive warranty.

This warranty is valid for the original retail nurchaser from the date of initial retail nurchase 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 he 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, urricanes 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 limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

#### **HOW TO OBTAIN WARRANTY SERVICE**

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.

 $\ensuremath{\textbf{Battery:}}$  First Alert makes no warranty, express or implied, written or oral, including that of nerchantability or fitness for any particular purpose with respect to battery  $\label{eq:Disposal: Please follow local guidelines regarding the disposal or recycling of batteries$ and/or electronics

For your records, please record: Date Purchased: Where Purchased: Date Installed: / Month/Year Replace Alarm 10 years after installation. Please write the date in the space provided: Month/Year

#### The Alarm will also provide an audible $\operatorname{End-of-Life}$ 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 replacemen

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