IMPORTANT! PLEASE READ CAREFULLY AND SAVE. This user's manual contains important information about your Smoke Alarm's operation. If you are installing this Smoke Alarm for use by others you must leave this manual—or a copy of it—with the end user.

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. Key features include:

Exclusive Voice Warning with Location will tell you the preprogrammed location of the initiating unit and danger detected. Programmable up to 11 locations (ex. "basement"). When alarms sounds, if programmed for basement it will say "Warning, evacuate, smoke in basement" along with

easier for elderly with normal age related hearing loss to hear horn. Sweeps through the 2200 - 3400 Hz range.

between alarms. 915MHz frequency with 65,000 security codes and 3 channel frequency hopping.

Single Button Test/Silence eliminates confusion. Depending on what mode the alarm is in, pushing the button provides different functions such as testing the alarm, silencing the alarm, re-testing the alarm when in silence and

hours before replacing low battery or silence an unwanted alarm for several minutes.

Two Latching Features. Alarm Latch: Easily identifies initiating alarm ever after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition.

**Perfect Mount System** includes a gasketless base for easy installation and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for perfect alignment.

## \*All First Alert® Smoke Alarms conform to regulatory requirements

technology at 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 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

For maximum protection, use both types of Smoke Alarms on each level and in every bedroom of your home.

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 greand debris-free; 6) Never leave anything cooking on the stove unatter 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 floor, and an additional one in the kitchen. Have fire escape ladders or other reliable means of escape from an upper floor in case stairs are blocked.

### BEFORE YOU INSTALL THIS SMOKE ALARM

Important! Read "Recommended Locations for Smoke Alarms" and "I ocations to Avoid for Smoke Alarms" before beginning. This unit monitors you more time to escape before fire spreads. This unit can ONLY give an early warning of developing fires if it is installed, maintained and located where smoke can reach it, and where all residents can hear it, as described in this manual. This unit will not sense gas, heat, or flame. It cannot prevent

Battery powered or electrical? Different Smoke Alarms provide different types of protection. See "About Smoke Alarms" for details.

## Know Where To Install Your Smoke Alarms

Fire Safety Professionals recommend at least one Smoke Alarm on every level of your home, in every bedroom, and in every bedroom hallway or separate sleeping area. See "Recommended Locations For Smoke Alarms" and "Locations To Avoid For Smoke Alarms" for details.

### Know What Smoke Alarms Can and Can't Do

A Smoke Alarm can help alert you to fire, giving you precious time to escape. It can only sound an alarm once smoke reaches the sensor. See "Limitations of Smoke Alarms" for details.

### Check Your Local Building Codes

This Smoke Alarm is designed to be used in a typical single-family home. It alone will not meet requirements for boarding houses, apartment buildings, hotels or motels. See "Special Compliance Considerations" for details.

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 impaired residents.

- Unit will not operate without battery power. The Smoke Alarm cannot work until you install the batteries in the correct position
- (Match "+" to "+" and "-" to "-").
- This Smoke Alarm has a battery drawer which resists closing unless batteries are installed

## ACAUTION!

- 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
- 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

#### STEP BY STEP GUIDE TO PROGRAMMING THIS ALARM

Alarm Will Say:

est button now.

ocation saved."

If no location is chosen

"No location saved."

Welcome, First Alert Smoke Alarm.

first time or "[Location, example

"Basement"] location programmed' when changing batteries.

To select location, press and hold

To save location, press and hold

est button after location is heard.

larm will speak list of locations

"[Location, example: "Basement"]

Guest Bedroom

## FOR FI<u>RST TIME AND WHEN CHANGING BATTERIES</u>

Your Alarm has now been programmed for the location of your choice.

Dining Room

NOTE: Steps 1 through 3 below need to be completed within two

minutes. If more than two minutes pass, the Green power LED will

stop blinking. Simply open the battery drawer of the second Alarm and repeat steps 1 through 3.

the test button. The Green power LED will start to blink indicating the WIRELESS INTERCONNECT Alarm is waiting for program data from one of the other setup WIRELESS INTERCONNECT

Press and hold the test button on the first Alarm, until the second Alarm chirps and its Green power LED stops blinking. Then release the test

If you purchased a Talking Smoke Alarm, you will now be prompted to set the Alarm's location. Follow the directions given by the Alarm.

7. Repeat steps 1-6 for additional WIRELESS INTERCONNECT Alarms.

You have now successfully linked your new WIRELESS INTERCONNECT

Voice: "Testing." Horn: 3 beeps, pause, 3 beeps; Voice: "Warning,

Smoke LED: Flashes Red in sync with the horn pattern

Low Battery Latch is now engaged.

Smoke LED: Flashes approximately once a minute

Smoke Alarm Latch is now engaged.

First Alert® WIRELESS INTERCONNECT Technology is the easy, cost-effective way to provide your family with whole-home safety. All 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.

communication distance (range) between any two WIRELESS

INTERCONNECT Alarms is typically 50 feet (15 meters) inside of a home. Some features of a home, such as the number of floors, 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

RCONNECT Alarms is that they operate as a mesh network. A

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 wireless signal around

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

The WIRELESS INTERCONNECT Alarms are not to be used outdoors

or to transmit between buildings. The Alarms will not communicate

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

Your First Alert® WIRELESS INTERCONNECT Smoke Alarm will automatically

Changes or modifications not expressly approved by BRK Brands, Inc.

communicate potential fires with all other First Alert® WIRELESS

could void the user's authority to operate the equipment.

If Alarm is Not Operating Properly (MALFUNCTION SIGNAL)

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

Power LED: Flashes Green On for 2 seconds/Off for 2 seconds.

Voice: "Detector error in [Location, example "Basement"], please see manual." Repeated every 5 hours

Voice: "Warning, evacuate smoke in [Location, example: "Basement"]

During Alarm: Flashes Red in sync with the horn pattern.
After Alarm: Flashes Red On for 2 seconds/Off for 2 seconds.

evacuate smoke in [Location, example: "Basement"]. Evacuate."

Alarms. To add additional Alarms at a later time, follow steps 1 through 6.

If you have purchased the hardwired battery back-up WIRELESS INTERCONNECT Alarm, you can now connect the hardwired Alarn installing the three-wire connector on the ceiling to the Alarm.

WHAT YOU WILL SEE AND HEAR WITH THIS ALARM

Power LED: Flashes Green once/minute

Repeated every 5 hours

**Horn:** Three rapid chirps every minute

Horn: 3 beeps, pause, repeating 3 times

Horn: chirps once a minute

No Location

ADDING AND LINKING ADDITIONAL WIRELESS

1. Insert batteries (2, AA batteries).

2. Press & Hold Test Button if

Alarm responds.

Available locations:

Living Room

you would like to program the

3. After you hear the location of

location or change the location of the Alarm. Release button after

where you are placing the Alarm, Press & Hold the Test Button.

**INTERCONNECT ALARMS** 

1. Insert the batteries into the battery

drawer of the **next** Alarm.

DO NOT CLOSE THE DRAWER.

2. Press and hold the test button and then close the battery drawer.

**Under Normal Operations** 

If Battery Becomes Low

Smoke LED:

IMPORTANT!

Alarms respond properly.

opened and closed.

Smoke Alarm is Silenced

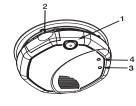
Smoke LED: Flashes Rec

WIRELESS OPERATION

Voice: Silent

Horn: Silent

3. Once you hear the unit chirp, release



2. Battery drawer

THE PARTS OF THIS SMOKE ALARM

 Pencil Hammer Phillips screwdriver

If you want to lock the battery drawer, or lock the Smoke Alarm to the mounting bracket, please read the "Optional Locking Features" section before you begin installation.

## **HOW TO INSTALL THIS SMOKE ALARM**

separate it from the base

mounting holes.

screws provided.

outlines you traced.

the ceiling or wall through the

mounting slots using the two

## **FOLLOW THESE SIMPLE STEPS!**

1. Hold base firmly and twist the mounting bracket counterclockwise to

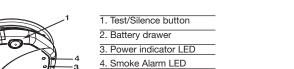
3. Put the unit where it won't get covered with dust when you drill the

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).

4. Using a 3/16" (5 mm) drill bit, drill a hole through the center of the oval

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.



#### **TOOLS YOU WILL NEED:** This unit is designed to be mounted

• Drill with 3/16" (5 mm) drill bit • Pliers to activate optional

#### 6. Line the mounting bracket up over the plastic screw anchors. Screw the mounting bracket to

8. Attach the Smoke Alarm to the mounting bracket. Line up the guides on the alarm's base with the guides on the mounting bracket. When guides are lined up, turn the base clockwise (right) until it snaps into place.

NOTE: Once the Smoke Alarm is snapped onto the mounting bracket, you can rotate the Smoke Alarm to adjust the alignment. Test the Smoke Alarm. See "Weekly Testing."

### **OPTIONAL LOCKING FEATURES**

The optional locking features are designed to prevent 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.

These Smoke Alarms have two separate locking features: one to lock the battery compartment, and the other to lock the Smoke Alarm to the mounting bracket. You can choose to use either feature independently, or use them both

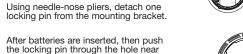
### IMPORTANT!

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

## TO LOCK THE BATTERY COMPARTMENT

**IMPORTANT!** If the unit does not alarm during testing,

DO NOT lock the battery compartm nstall new batteries and test again, If the Smoke Alarm still does not alarm, replace it



## TO UNLOCK THE BATTERY COMPARTMENT

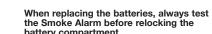
mounting bracket. If the unit is locked to the bracket, see the section "To Unlock the Mounting Bracket.' 2. Insert a flathead screwdriver under the

1. Remove the Smoke Alarm from the

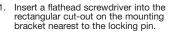
head of the locking pin, and gently pry it out of the battery compartment lock. (If you plan to relock the battery ompartment, save the locking pin.) 3. To relock the battery compartment.

close the battery door and reinsert

locking pin in lock. 4. Reattach the Smoke Alarm to the mounting bracket. IMPORTANT!



## TO UNLOCK THE MOUNTING BRACKET







AWARNING! 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. The

### replacement. See "Limited Warranty" for details. DO NOT stand close to the alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. Wher testing, step away when horn starts sounding.

by Underwriters Laboratories, Inc. (UL). If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the manufacturer for

### 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 Alarm. Press and hold the test button on the cover of the unit until the alarm sounds (the unit may continue to alarm for a few seconds after you release the button). If it does not alarm, make sure the unit is receiving power (LED) will flash approximately once a minute indicating it has power); and test it again. If it still does not alarm, replace it immediately. During testing you will

hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause

**WEEKLY TESTING** 

**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 off any dust using your household vacuum's soft brush attachment, and test the Smoke Alarm after cleaning. Never use water, cleaners or solvents since they may damage the unit.
- If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid unwanted alarms, replace the unit
- Relocate the unit if it sounds frequent unwanted alarms. See "Locations to Avoid For Smoke Alarms" for details.
- When the battery becomes weak, the Smoke Alarm unit will "chirp" approximately once a minute (the low battery warning). This low battery warning should last for up to 7 days, but you should replace the battery

#### mmediately to continue your protection Choosing a replacement battery:

Your Smoke Alarm requires 2 "AA" batteries: Energizer E91 or Duracell MN1500. These batteries are available at many local retail stores.

- AWARNING! 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 orrectly with regard to polarity (+ and -)
- Please dispose of or recycle used batteries properly, following any local regulations. Consult your local waste management authority or recycling organization to find an electronics recycling facility in your area. DO NOT DISPOSE OF BATTERIES IN 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

## IMPORTANT!

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

## removing Alarm from the ceiling

- . Open the battery compartment. 2. Press tabs A and B as shown in the diagram and remove each battery.
- 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 control of the patteries with the terminals on the work. terminals on the unit.
- 4. Close the battery compartment, and then test the unit by pressing the Test/ Silence button.

#### IF THIS SMOKE ALARM SOUNDS **RESPONDING TO AN ALARM**

During an alarm, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. The red LED will flash rapidly.

AWARNING!

- 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 result in injury or death.
- Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted alarm (caused by cooking smoke, etc.). Remo
- batteries disables the alarm so it cannot sense smoke, and rem 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
- 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

USING THE SILENCE FEATURE

 Contact your Fire Department for ideas on making your home safer. AWARNING!

## Alarms have various limitations. See "Limitations of Smoke Alarms" for

The Silence Feature can temporarily quiet an unwanted alarm for up to 15 minutes. To use this feature, press the "Push to Test/Silence" button or the cover. If the unit will not silence and no heavy smoke is present, or if t stays in silence mode continuously, it should be replaced immediately The LED will continue to flash rapidly while in silence.

### 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.

### 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 cover.

Once the low battery warning "chirp" silence feature is activated, the unit continues to flash the Green light twice 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 low battery warning will resume (LED flashes and unit sounds "chirp" once a minute)

#### **LATCHING FEATURES** Alarm Latch is activated after an Alarm is exposed to alarm levels of smoke.

After smoke levels drop below alarm levels, the "Smoke" Red LED will begin to flash On for 2 seconds/Off for 2 seconds. It will continue to flash or "latch" fo about 15 minutes, to give you time to determine which unit initiated the alarm. Low Battery Latch is activated when the Alarm is in the "low battery condition When this occurs, the **Power** LED flashes 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 every minute, sometimes during the initial stages of "low battery", the Alarm will chirp in greater intervals than one minute, sometimes up to several hours, until the battery reaches a steady low battery level. This innovative feature eliminates the

### IF YOU SUSPECT A PROBLEM

Smoke Alarms may not operate properly because of 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 a fresh battery, 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 Smoke Alarm immediately.

frustration of waiting for and/or identifying which unit is chirping.

- · If you hear a "chirp" about once a minute, replace the battery.
- If you experience frequent non-emergency alarms (like those caused by cooking smoke), try relocating the Smoke Alarm.
- · If the alarm sounds when no smoke is visible, try cleaning or ocating the Smoke Alarm. The cover may be dirty. If the alarm does not sound during testing, try installing a new
- battery, and make sure it is snapped in securely. If the alarm sounds 3 rapid "chirps" every minute; LED flashes approximately once a minute. MALFUNCTION: the device is not

### working properly and needs to be replaced. 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. **RECOMMENDED LOCATIONS FOR**

Installing Smoke Alarms in Single-Family Residences 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 recommended that you install a Smoke Alarm in all room.

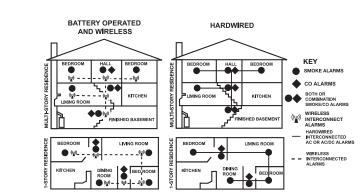
storage areas, finished attics, and basements, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms.

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

### **IMPORTANT!**

SMOKE ALARMS

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.



### AGENCY PLACEMENT RECOMMENDATIONS

(3) On every level of a dwelling unit, including basements

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

these areas as much as possible.

chamber and cause unwanted alarms.

the wall/ceiling line, below typical "dead air" spaces.

**Avoiding Dead Air Spaces** 

(102 mm) from the wall or corner.

**ABOUT SMOKE ALARMS** 

installed by a qualified electrician.

#### NFPA 72 Chapter 29

(small facility)

Alarms in these areas:

"For your information, the National Fire Alarm and Signaling Code, NFPA 72, reads as follows:

29.5.1.1\* Where required by other governing laws, codes, or standards for

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

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02269. This reprinted material is not the complete and official position of

**LOCATIONS TO AVOID FOR SMOKE ALARMS** 

For best performance, it is recommended you AVOID installing Smoke

Where combustion particles are produced. Combustion particles form

possible - in modular, mobile, or smaller homes, for example - it is

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

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

In air streams near kitchens. Air currents can draw cooking smoke into

In very damp, humid or steamy areas, or directly near bathrooms with

showers. Keep units at least 10 feet (3 meters) away from showers,

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

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

• In insect infested areas. Insects can clog openings to the sensing

• In "dead air" spaces. "Dead air" spaces may prevent smoke from

"Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

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

For wall mounting (if allowed by building codes), the top edge of Smoke

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

Battery (DC) operated Smoke Alarms: Provide protection even when

are easy to install, and do not require professional installation.

noke, all units alarm. They do not operate if electricity fails.

electricity fails, provided the batteries are fresh and correctly installed. Units

AC powered Smoke Alarms: Can be interconnected so if one unit senses

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

WIRELESS INTERCONNECT Smoke Alarms with battery (DC) back-up:

without wires or connectors, so when one alarm sounds, they all sound. Will operate if electricity fails, provided the batteries are fresh and correctly

installed. Units are easy to install, and do not require professional installation

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-

powered UPS (uninterruptible power supply) products or square wave or

your inverter or UPS type, please consult with the manufacturer to verify.

an audible alarm horn, and meet the requirements of the Americans With

Smoke alarms are not to be used with detector quards unless the

combination has been evaluated and found suitable for that purpose.

**SPECIAL COMPLIANCE CONSIDERATIONS** 

townhouses, hospitals, day care facilities, health care facilities, boarding

system already exists to meet fire detection requirements in common areas

houses, group homes and dormitories provided a primary fire detection

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 is suitable for use in apartments, condominiums,

Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual alarm and

Disabilities Act. Can be interconnected so if one unit senses smoke, all units

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

them. If you are unsure which type of Smoke Alarm to install, refer to Chapter 2 of 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 Batterymarch Park, Quincy, MA 02269-9101

Local building codes may also require specific units in new construction or in

quasi sine wave" inverters will damage the Alarm. If you are not sure about

all WIRELESS INTERCONNECT enabled Smoke and Smoke/CO Alarms

Alarms should be placed between 4 and 12 inches (102 and 305 mm) from

To avoid dead air spaces, follow the installation recommendations below.

• I ess than 12 inches (305mm) away from fluorescent lights.

over the stove or range. Keep laundry room Smoke Alarms free of dust or

the sensing chamber of a Smoke Alarm near the kitchen

nmended the Smoke Alarm be placed as far from these fuel-bur

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

(6) In the living area(s) of a residential board and care occupancy

### 29.5.1\* Required Detection.

(5)\*In the living area(s) of a guest suite

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

the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Increase the separation between the equipment and receiver
  - Connect the equipment into an outlet on a circuit different from that of the receiver.

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

### LIMITATIONS OF SMOKE ALARMS

work if they are properly located, installed, and maintained, and if smoke reaches them. They are not foolproof. do not readily waken to the sound of the smoke alarm, or if there are infants

ommended that you hold a fire drill while family members are sleeping sleeping and to determine whether they may need assistance in the event Smoke Alarms cannot work without power. Battery operated units canno 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 circ

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 them. Smoke from fires in chimneys or walls, on roofs, or on the other side of

area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them. Smoke Alarms may not detect fire on another floor or area of the home For example, a stand-alone unit on the second floor may not detect smoke m a basement fire until the fire spreads. This may not give you enough time to escape safely. That is why recommended minimum protection is a least one unit in every sleeping area, and every bedroom on every level of your home. Even with a unit on every floor, 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 interconnecte AC powered units with battery back-up (see "About Smoke Alarms") or

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,

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, or fires caused by violent explosions resulting from escaping gas.

prevent or extinguish fires. They are not a substitute for property or life

### 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.

LIMITED WARRANTY BRK Brands, Inc., ("BRK") the maker of 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, BRK, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or 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 your exclusive warranty.

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

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

purchase available when calling.

r Warranty Service return to:

BRK Brands, Inc., 25 Spur Drive, El Paso, TX 79906

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 Refer to NFPA 72 (National Fire Alarm and Signaling Code) and NFPA 101 (Life Safety Code), local building codes, or consult your Fire Department for detailed fire protection requirements in buildings not defined as "households"

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.

SPECIAL COMPLIANCE CONSIDERATIONS, Continued

## **FCC Compliance**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning Reorient or relocate the receiving antenna. • Consult the dealer or an experienced radio or TV technician for help.

## including interference that may cause undesired operation. FCC ID: M7U5001L interference, and (2) this device must accept any interference received,

## Smoke Alarms have played a key role in reducing deaths resulting from home fires worldwide. However, like any warning device, Smoke Alarms can only

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 efore holding a fire drill at night when they are sleeping. If children or others

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

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

professional fire detection systems, so if one unit senses smoke, all units alarm. Interconnected units may provide earlier warning than stand-alone units since all units alarm when one detects smoke.

should be installed for hearing impaired residents. Smoke Alarms may not have time to alarm before the fire itself causes

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

Smoke Alarms have a limited life. The unit should be replaced immediately

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. BRK dealers, service centers, or retail stores selling BRK products do not have the right to alter

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 BRK or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood,

#### This warranty gives you specific legal rights, and you may also have othe 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. n order to obtain warranty service, contact the Consumer Affairs Division at -800-323-9005, 7:30 AM - 5:00 PM Central Standard Time, Monday through Friday. To assist us in serving you, please have the model number and date

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Printed in Mexico M08-0194-005 **Q** 09/14

# First Alert **Voice Warning UL STD 217** Model SA511 Printed in Mexico

INTRODUCTION

M08-0194-005 Q 09/14

**WIRELESS INTERCONNECT Enabled.** Alarm automatically communicates with other WIRELESS INTERCONNECT enabled alarms when installed.

Optipath 360 Technology™ provides 360 degrees of direct access to the

Smoke particles of varying number and size are produced in all fires Ionization technology is generally more sensitive than photoelectric

**FIRE SAFETY TIPS** Follow safety rules and prevent hazardous situations

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

all other installed WIRELESS INTERCONNECT Voice alarms. Spread Spectrum Horn Tone. Lower and varying horn frequency makes i RF Interconnect. Reliable and secure radio frequency communicatio

clearing the Latching features. Two Silence Features. Temporarily silence low battery chirp for up to eight

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Understand The Different Type of Smoke Alarms

powered units are intended for installation over junction boxes

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on the ceiling, or on the wall if necessary.

Tools you will need: • Needle-nose pliers • Standard flathead screwdriver. Both locking features use locking pins, which are molded into the mounting bracket. Depending on which locking features you use, remove one or both pins from the mounting bracket using needle-nose pliers.

Do not lock the battery compartment until you install the batteries and test the Smoke Alarm.

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

the battery door latch on the back of the

TO LOCK THE MOUNTING BRACKET

locking pin from the mounting bracket.

the back of the Smoke Alarm as shown

When you attach the Smoke Alarm to the

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

