

- This unit will not alert hearing impaired residents. It is recom-mended that you install special units which use devices like flashing strobe lights to alert the hearing impaired.
- 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 install the battery in the correct position (Match "+" to "+" and "-" to "-").
- This Smoke Alarm has a battery guard which prevents it from closing unless a battery is installed. This warns you the unit will not operate without a battery.
- ACAUTION!

IMPORTANT!

- Do not install this unit over an electrical junction box. Air cur-rents around junction boxes can prevent smoke from reaching the sensing chambers and prevent the unit from alarming. Only AC powered units are intended for installation over junction
- Do not stand too close to the unit when the alarm is sounding. If 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 chambers and prevent the unit from operating properly.
- 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 built-in test switch accurately tests the unit's operation as required

AWARNING!

- by Underwriters Laboratories, Inc. (UL). If you choose to use an aerosol smoke product to test the Smoke Alarm, be certain to use one that has been Listed to Underwriters Laboratories, Inc. Safety Standards, and use it only as directed. Use of non-UL Listed products or improper use of UL Listed products may affect the Smoke Alarm's sensitivity. If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the manufacturer for
- replacement. See "10-Year Limited Warranty" at the end of this
- 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.

WEEKLY TESTING

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. During testing, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. You can test this Smoke Alarm two ways:

3

Manually: Press the Test/Silence button on the alarm cover until alarm sounds for 3-5 seconds Using Your Remote Control: Standing no further than 20 feet away from the Smoke Alarm, aim your IR remote at the Smoke Alarm and

press the CHANNEL or VOLUME button for at east 3-5 seconds. If the alarm does not respond to your remote control, there may be an obstruction between

you and the alarm, you may be standing too

far away, or your remote control may not be compatible.

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- Warranty

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.

AWARNING! Use only the replacement batteries listed below. The unit may not operate properly with other batteries. Never use rechargeable batteries since they may not provide a constant charge.

- 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 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 "Locations to Avoid for Smoke Alarms" for details.
- When the battery becomes weak, the Smoke Alarm unit will "chirp" about once a minute (the low battery warning). This low battery warning should last for 30 days, but you should replace the battery immediately to continue your protection.
- Choosing a replacement battery:
- Your Smoke Alarm requires one standard 9V battery. The following batteries are acceptable as replacements: Duracell #MN1604, (Ultra) #MX1604; Eveready (Energizer) #522. You may also use a Lithium battery like the Ultralife U9VL-J for longer service life between battery changes. These batteries are available at many local retail stores.

IMPORTANT!

Most carbon zinc batteries have an average service life of 1 year. most alkaline an average service life of 6-10 years. Actual batteries 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")

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.

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.). Removing batteries disables the alarm so it cannot sense smoke, and removes your protection. Instead open a window or fan the smoke away from

e unit. The alarm will reset automatically If the unit alarms get everyone out of the house immediately

WHAT TO DO IN CASE OF FIRE

 Don't panic; stay calm. Follow your family escape plan • Get out of the house as quickly as possible. Don't stop to

- get dressed or collect anything. Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door. Keep doors
- and windows closed, unless you must escape through them Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths.
- Meet at your planned meeting place outside your home
- and do a head count to make sure everybody got out safely. Call the Fire Department as soon as possible from outside.
- Give your address, then your name.
- Never go back inside a burning building for any reason. Contact your Fire Department for ideas on making your home safer.

USING THE SILENCE FEATURES SILENCING AN ALARM

AWARNING!

The silence feature does not disable the unit—it temporarily silences the horn. For your safety, if smoke around the unit is dense enough to sug-gest a potentially dangerous situation, it 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 it assume it is an unwanted alarm. Not responding to an alarm can result in property loss, injury or death.

The silence feature can temporarily quiet an unwanted alarm for several min-utes. You can silence this Smoke Alarm two ways: 1. Manually: Press the Test/Silence button on the alarm cover for at least 3-

5 seconds 2. Using Your Remote Control: Standing no further than 20 feet away from the Smoke Alarm, aim your IR remote at the Smoke Alarm and press the

CHANNEL or VOLUME button for at least 3-5 seconds. NOTE: During an alarm, you can only silence the alarm ONCE using the remote Silence feature. The Test/Silence button on the Smoke Alarm will continue to silence the alarm as needed. The remote Silence feature will be automatically restored when the Smoke Alarm resets.

If the alarm does not respond to your remote control, there may be an obstruction between you and the alarm, you may be standing too far

away, or your remote control may not be compatible While the Smoke Alarm is in "silence" mode, the LED will continue to flash the alarm pattern – three times, pause, three times, pause – for up to 15 minutes It will stop flashing when the Smoke Alarm returns to normal operation. If smoke levels rise, the Smoke Alarm will return to alarm condition

SILENCING THE LOW BATTERY WARNING

This silence feature can temporarily quiet the low battery warning "chirp" for up to 8 hours without having to remove the battery. You can silence the low battery warning "chirp" two ways:

. Manually: Press the Test/Silence button on the alarm cover. 2. Using Your Remote Control: Standing no further than 20 feet away from the Smoke Alarm, aim your IR remote at the Smoke Alarm and press the CHANNEL or VOLUME button for at least 3-5 seconds.

Once the low battery warning "chirp" silence feature is activated, the unit con tinues to flash the red light twice once a minute for 8 hours. After 8 hours, the low battery "chirp" will resume. Replace the battery as soon as possible, this unit will not operate without battery power!

To deactivate this feature: Press the Test/Silence button or use your remote control again. The unit will go into Test Mode and the low battery warning will resume (LED flashes and unit sounds "chirp" once a minute.)

If you cannot silence the low battery warning, replace your battery immediately.

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.

 If you hear a "chirp" 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 relocating 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.

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

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 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 cover age, it is 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°C) and 100°F (38°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 an alarm at each end.
- At the top of the first-to-second floor stairway, and at bottom of basement

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 inter-connected for added protection.



INSTALLING SMOKE ALARMS IN MOBILE HOMES & RVS For minimum security install one Smoke Alarm as close to each sleeping area as possible. For more security, put one unit in each room. Many older mobile homes (especially those built before 1978) have little or no insulation. If your mobile home is not well insulated, or if you are unsure of the amount of insulation, it is important to install units on inside walls only. Smoke Alarms should be installed where temperatures normally remain between 40°F (4°C) and 100°F 38°C). WARNING: Test units used in RVs after the vehicle has storage, before every trip, and once a week while in use. Failure to test units used in RVs as described may remove your protection.

IMPORTANT!

This equipment should be installed in accordance with NFPA (National Fire Protection Association) 72 and 101. National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269-9101. Additional local building and regulatory codes may apply in your area. Always check compliance require ments before beginning any installation.

AGENCY PLACEMENT RECOMMENDATIONS

NFPA 72 (National Fire Code) Smoke Alarms shall be installed in each separate sleeping room, outside each sleeping area in the immediate vicinity of the bedrooms and on each additional story of the family living unit, including basements and excluding crawl

spaces and unfinished attics In new construction, Alarms shall be so arranged that operation of any one

Alarm shall cause the operation of all Alarms within the dwelling. Smoke Detection-Are More Smoke Alarms Desirable? The required num ber of Smoke Alarms might not provide reliable early warning protection for those areas separated by a door from the areas protected by the required Smoke Alarms. For this reason, it is recommended that the householder consider the use of additional Smoke Alarms for those areas for increased protect tion. The additional areas include the basement, bedrooms, dining room, fur nace room, utility room, and hallways not protected by the required Smoke Alarms. The installation of Smoke Alarms in kitchens, attics (finished or unfin-ished), or garages is not normally recommended, as these locations occasion-ally experience conditions that can result in improper operation. California State Fire Marshal (CSFM)

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

LOCATIONS TO AVOID FOR SMOKE ALARMS For best performance, it is recommended you AVOID installing Smoke



Alarms in these areas:

appliances. 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 he sources of combustion particles (stove, furnace, water heater, space heater) if possible. Ventilate these areas as much as possible.

Do not install this Smoke Alarm in a location where it

could be easily triggered when using your remote to operate your TV, VCR, or other remote controlled

- . In air streams near kitchens. Air currents can draw cooking smoke into the sensing chamber of a Smoke Alarm near the kitchen
- In very damp, humid or steamy areas, or directly near bathrooms with showers. Keep units at least 10 feet (3 meters) away from showers, saunas, dishwashers, etc.
- Where the temperatures are regularly below 40° F (4°C) or above 100° F (38°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 cham-ber and cause unwanted alarms.
- Less than 12 inches (305mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor.
- In "dead air" spaces. "Dead air" spaces may prevent smoke from reach-ing 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. On ceilings, install Smoke Alarms as close to the center of the ceiling as possible. If this is not possible, install the Smoke Alarm at least 4 inches (102 mm) from the wall or corner.

For wall mounting (if allowed by building codes), the top edge of Smoke Alarms should be placed between 4 and 12 inches (102 and 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 alarms are provided activities. sloped or peaked ceilings.

10-YEAR 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.

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, 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 BRK or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes or any batteries that are included with this unit. 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. 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 Affairs Division at 1-800-323-9005, 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 of purchase available when calling. 3920 Enterprise Court, Aurora, IL 60504-8132.

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

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ABOUT SMOKE ALARMS

Battery (DC) operated Smoke Alarms: Provide protection even when elec ils, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation.

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 sh and correctly installed. AC and AC/DC units must be installed by a qualified electrician.

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

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 the National Fire Protection Association (NFPA) Standard 72 (National Fire Alarm 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.

SPECIAL COMPLIANCE CONSIDERATIONS AWARNING!

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like apartment buildings, condo-miniums, hotels, motels, dormitories, hospitals, long-term health care facilities, nursing homes, day care facilities, or group homes of any kind—even if they were once single-family homes. 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 detec-tion and alarm systems. Depending on the building codes in your area, this Smoke Alarm may be used to provide additional protection in these facilities. The following information applies to all four building types below:

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 101 (Life Safety Code) or NFPA 72 (National Fire Alarm Code), local building codes, or consult your Fire Department for detailed fire protect on requirements in buildings not defined as "households. 1. Single-Family Residence:

Single family home, townhouse. It is recommended Smoke Alarms be nstalled on every level of the home, in every bedroom, and in each bedroom

2. Multi-Family or Mixed Occupant Residence:

dents or meet local fire protection ordinances/regulations.

LIMITATIONS OF SMOKE ALARMS

reaches them. They are not foolproof.

AC power, install both types of units.

3. Institutions:

4. Hotels and Motels:

ordinances/regulations.

between them.

scaping gas

ty or life insurance.

ed on back of unit.

Apartment building, condominium. This Smoke Alarm is suitable for use in individual apartments or condos, provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

Hospitals, day care facilities, long-term health care facilities. This Smoke Alarm is suitable for use in individual patient sleeping/resident rooms, provid-ed a primary fire detection system already exists to meet fire detection

requirements in common areas like lobbles, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all resi-

Also boarding houses and dormitories. This Smoke Alarm is suitable for use

system already exists to meet fire detection requirements in common areas

like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection

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

Smoke Alarms cannot work without power. Battery operated units cannot

failure along a power line or at a power station, ledertrical fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or

Smoke Alarms cannot detect fires if the smoke does not reach them.

if bedroom or sleeping area doors are closed at night—and in the hallway

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 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 floor, stand-alone units may not provide as

remote area. Some safety experts recommend installing interconnected AC powered units with battery back-up (see "About Smoke Alarms") or profes-

sional 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.

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

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

outside a closed or partially closed door, 2) residents recently consumed

sound sleepers. Special purpose units, like those with visual and audible

Smoke Alarms 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, or fires caused by violent explosions resulting from

Smoke Alarms are not foolproof. Like any electronic device, Smoke Alarms

are made of components that can wear out of 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 proper-ture life incurrence.

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

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 provid-

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alarms, should be installed for hearing impaired residents

much protection as interconnected units, especially if the fire starts in a

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 can-not work if the AC power is cut off for any reason (open fuse or circuit breaker,

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 area—especially

inside individual sleeping/resident rooms, provided a primary fire detection