WIRELESS OPERATION

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

The communication distance (range) between any two ONELINK $^{\circ}$ 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 ONELINK[®] Alarms is that they operate as a mesh network. All Alarms will repeat any alarm signal that is received to all other ONELINK® Alarms. Interference from structural conditions can be overcome by adding additional Alarms to route the wireless signal around obstructions

IMPORTANT!

- The range and proper operation of any wireless device will vary depending on its surroundings. It is very important that each Alarm is tested individually before and after installation to make
- sure that all Alarms respond properly The ONELINK® Alarms are not to be used outdoors or to transmi between buildings. The Alarms will not communicate properly under these condi-
- Metal objects and metallic wallpaper may interfere with signals from wireless Alarms. Alarms should be tested after changes to your home such as remodeling, moving furniture, and with metal doors opened and closed.
- Your First Alert® ONELINK® Smoke Alarm will automatically communicate potential fires with all other First Alert® ONELINK® Smoke Alarms.

FCC NOTICE: This device complies with Part 15 of the ECC Bules Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference eceived, including interference that may cause undesired operation. FCC ID: M7U5201L

ACAUTION!

Changes or modifications not expressly approved by BRK Brands, Inc. could void the user's authority to operate the equipment.

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 disconnect the AC power to quiet an unwanted alarm. Disconnecting the power disables the Alarm so it cannot sense smoke. This will remove 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.

ADANGER!

• ELECTRICAL SHOCK HAZARD: Attempting to disconnect the power connector from the unit when the power is on may result in electrical shock, serious injury or death

When an interconnected system of AC powered units is in alarm, the alarm indicator light on the unit(s) that initiated the alarm will blink rapidly. It will remain OFF on any remaining units.

If the unit alarms, get everyone out of the dwelling immediately. If the unit alarms and you are certain that the source of smoke is not a firecooking smoke or an extremely dusty furnace, for example—open a nearby window or door and fan the smoke away from the unit (Use the Silence Feature to silence the Alarm). This will silence the alarm, and once the smoke clears the unit will reset itself automaticall

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

AWARNING!

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

USING THE SILENCE FEATURE

The Silence Feature can temporarily quiet an unwanted alarm for up to 15

AWARNING!

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 elarm alarm can result in property loss, injury, or death.

- To silence Smoke Alarms in an interconnected series:
- 1. To silence multiple alarms in an interconnected series, you must press the Test/Silence button on the unit(s) that triggered the alarm. 2. Once you activate the Silence feature, the Red LED will continue to flash
- rapidly. 3. Pressing the Test/Silence button when in silence will restart the silence

IMPORTANT!

The Silence Feature on these units can temporarily quiet an unwanted alarm for up to 15 minutes. To use this feature, press the Test/Silence button on the cover. 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 guiet 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)

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" approximately once a minute, replace the

- If you experience frequent non-emergency alarms (like those caused by cooking smoke), try relocating the Smoke Alarn
- 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, make sure it is receiving AC power from the household current.

AWARNING!

Always discharge the branch circuit before servicing an AC or AC/DC Smoke Alarm. First, turn off the AC power at the circuit breaker or fuse box. Next, remove the battery from Smoke Alarms with battery back-up. Finally, press and hold the test button for 5-10 seconds to discharge the branch circuit.

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 Warrant

RECOMMENDED LOCATIONS FOR SMOKE ALARMS

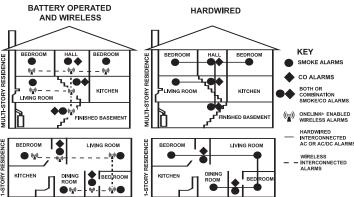
Installing Smoke Alarms in Single-Family Residences The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every sleeping area, and in every bedroom. In new construction, the Smoke Alarms must be AC powered and interconnected. See "Agency Placement Recommendations" for details. For additional coverage, 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 the door partly or
- completely closed. In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. If a hall is more than 40 feet 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.

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.



AGENCY PLACEMENT RECOMMENDATIONS

NFPA 72 (National Fire Code) Chapter 11 "For your information, the National Fire Protection Association's Standard 72, reads as follows:'

"11.5.1 One- and Two-Family Dwelling Units."

"11.5.1.1 Smoke Detection. Where required by applicable laws, codes, or standards for the specified occupancy, approved single- and multiple-station Smoke Alarms shall be installed as follows: (1) In all sleeping rooms. Exception: Smoke Alarms shall not be required in sleeping rooms in existing one- and two-family dwelling units. (2) Outside of each separate sleeping area, in immediate vicinity of the sleeping rooms. (3) On each level of the dwelling unit, including basements. Exception: In existing one- and two family dwelling units, approved Smoke Alarms powered by batteries are permitted

"A.11.8.3 Are More Smoke Alarms Desirable? The required number 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 protection The additional areas include the basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required Smoke Alarms. The installation of Smoke Alarms in kitchens, attics (finished or unfinished) or garages is not normally recommended, as these locations occasionally experience conditions that can result in improper operation."

LOCATIONS TO AVOID FOR SMOKE ALARMS

- For best performance, AVOID installing Smoke Alarms in these areas: Where combustion particles are produced. Combustion particles form when something burns. Areas to avoid include poorly ventilated kitchens garages, and furnace rooms. Keep units at least 20 feet (6 meters) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot 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 ossible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fuel-burning source, and thus reduce "unwanted" alarms. Unwanted alarms can occur if a Smoke Alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible.
- 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. Clean a laundry room unit frequently to keep it 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 sensing chamber.
- In insect infested areas. Insects can clog openings to the sensing chamber and cause unwanted alarms.
- Less than 12 inches (305 mm) away from fluorescent lights.
- Electrical "noise" can interfere with the sensor. • In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

AVOIDING DEAD AIR SPACES

sloped or peaked ceilings.

LIMITED WARRANTY

this unit.

r greater value. This is your exclusive warranty

'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 rms 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 fo

BRK Brands. Inc., ("BRK") the maker of First Alert® brand and 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

longer available, replacement may be made with a similar product of equal

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

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

alter, modify or any way change the terms and conditions of this warranty.

his warranty does not cover normal wear of parts or damage resulting

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

ABOUT SMOKE ALARMS

Battery (DC) operated Smoke Alarms: Provide protection even when elect tricity fails, 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 oke, all units alarm. They do not operate if electricity fails. AC with battery (DC) back-up: will operate if electricity fails, provided the batteries are fresh and correctly installed. AC and AC/DC units must be installed by a qualified electrician.

ONELINK® Smoke Alarms with battery (DC) back-up: Interconnects with all ONELINK® enabled Smoke and Smoke/CO Alarms 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 of pure sine wave inverters. Operating this Smoke Alarm with most batterypowered UPS (uninterruptible power supply) products or square wave or "quasi sine wave" inverters will damage the Alarm. If you are not sure about your inverter or UPS type, please consult with the manufacturer to verify.

Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impared. Openia pupped 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 purpose.

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 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 n new construction or in different areas of the home

SPECIAL COMPLIANCE CONSIDERATIONS

AWARNING! is Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like apartment puildings, condominiums, hotels, motels, dormitories, hospitals, longterm health care facilities, nursing homes, day care facilities, or gro nomes 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-resi-dential buildings which require special fire detection and alarm systems. Depending on the building codes in your area, this Smoke Alarm may b used to provide additional protection in these facilities.

The following information applies to all four types of buildings listed below: In new construction, most building codes require the use of AC or AC/DC powered Smoke Alarms only. AC, AC/DC, or DC powered Smoke Alarms car e used in existing construction as specified by local building codes. Refer to NFPA 72 (National Fire Alarm 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."

1. Single-Family Residence: Single family home, townhouse. It is recommended Smoke Alarms be installed on every level of the home, in every bedroom, and in each bedroom hallway. 2. Multi-Family or Mixed Occupant Residence:

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.

3. Institutions: Hospitals, day care facilities, long-term health care facilities. This Smoke Alarm is suitable for use in individual patient sleeping/resident rooms, 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 o all residents or meet local fire protection ordinances/regulations

4. Hotels and Motels: Also boarding houses and dormitories. This Smoke Alarm is suitable for use inside individual sleeping/resident rooms, provided a primary fire detection system already exists to meet fire detection requirements n common areas like lobbies, hallways, or porches. Using this Smoke Alarm common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

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 the Alarms. They are not foolproof.

Smoke alarms may not waken all individuals. Practice the escape plan at east twice a year, making sure that everyone is involved - from kids to grandparents. Allow children to master fire escape planning and practice before nolding 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 sleeping in order to deter-mine 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 bre 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.

rea-especially if bedroom or sleeping area doors are closed at night-and

dwelling. For example, a stand-alone unit on the second floor may not detect

That is why one unit should be installed inside each bedroom or sleeping

smoke from a basement fire until the fire spreads. This may not give you

AC powered units with battery back-up (see "About Smoke Alarms") or

professional fire detection systems, so if one unit senses smoke, all units

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

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

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

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

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

Battery: BRK Brands, Inc. make no warranty, express or implied, written or

oral, including that of merchantability or fitness for any particular purpose

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10 years from date of purchase. Write the purchase date on the space provided

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

unit weekly to ensure your continued protection. Smoke Alarms cannot prevent

damage, injury, or death, since smoke from some fires may not reach the unit immediately. Examples of this include persons smoking in bed, chil-dren playing with matches, or fires caused by violent explosions resulting

alarm. Interconnected units may provide earlier warning than stand-alone

nough 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 dwelling. Even with a unit on every floor, stand-alone units may not provide as much protection as interconnected units, especially if the fire starts

Smoke Alarms may not detect fire on another floor or area of th

n a remote area. Some safety experts recommend installing

units since all units alarm when one detects smoke

in the hallway between them.

for hearing impaired residents.

How to Obtain Warranty Service

of purchase available when calling.

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

First Alert® is a registered trademark of the First Alert Trust.

ONELINK® is a registered trademark of BRK Brands, Inc.

For Warranty Service return to:

with respect to battery.

from escaping gas.

on back of unit.



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- All First Alert® and BRK® 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
- lonization technology is generally more sensitive than photoelectric 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 grapter are used to be produced in the sensitive technology at the sensitive technology 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.

FIRE SAFETY TIPS

08/08

- Follow safety rules and prevent hazardous situations: 1) Use smoking for a strength of the stand bever materials and the strength of the strength o electrical appliances in good condition and don't overload electrical circuits Keep stoves, barbecue grills, fireplaces and chimneys grease- and debrisfree; 6) Never leave anything cooking on the stove 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 hey are not working properly. Smoke Alarms that do not work cannot aler 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 Locations to Avoid for Smoke Alarms" before beginning. This unit monitors the air, and when smoke reaches its sensing chamber, it alarms. It can give 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 or extinguish fires

Understand The Different Type of Smoke Alarms

- 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 Fo 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
- scape. 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"

ADANGER!

ELECTRICAL SHOCK HAZARD. Turn off the power to the area where the Smoke Alarm is installed before removing it from the mounting bracket. Failure to turn off the power first may result in serious electrical shock, injury or death

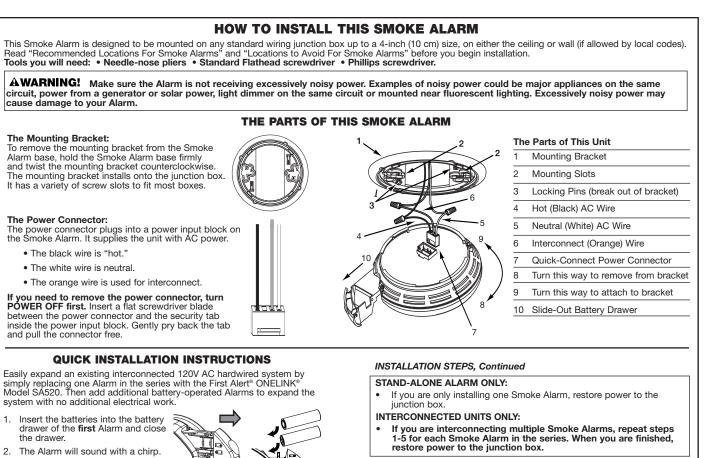
AWARNING!

- 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. Installation of this unit must conform to the electrical codes in your area; Articles 210 and 300.3 (B) of NFPA 70 (NEC), NFPA 72, NFPA 101: SBC (SBCCI): UBC (ICBO): NBC (BOCA): OTFDC (CABO), and any other local or building codes that may apply. Wiring and installation must be performed by a licensed electrician
- Failure to follow these guidelines may result in injury or property
- This unit must be powered by a 24-hour, 120VAC pure sine wave 60Hz circuit. Be sure the circuit cannot be turned off by a switch, dimmer, or ground fault circuit interrupter. Failure to connect this unit to a 24-hour circuit may prevent it from providing constant
- This Smoke Alarm must have AC or battery power to operate. If the AC power fails, battery back-up will allow the alarm to sound for at least 4 minutes. If AC power fails and the battery is veak, protection should last for at least 7 days. If AC power fails and the battery is dead or missing, the alarm cannot operate. Never disconnect the power from an AC powered unit to stop an unwanted alarm. Doing so will disable the unit and remove your protection. In the case of a true unwanted alarm open a window or fan the smoke away from the unit. The alarm will reset automatically when it returns to normal operation. Never remove the batteries from a battery operated unit to stop an unwanted alarm (caused by cooking smoke, etc.). Instead open a window or fan

the smoke away from the unit. The alarm will reset automatically **ACAUTION!**

- Connect this unit ONLY to other compatible units. See "How To Install This Smoke Alarm" for details. Do not connect it to any other type of alarm or auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly. • This Smoke Alarm has a battery drawer which resists closing unless a battery is installed. This warns you the unit will not operate under DC power without a battery.
- 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 chambers and prevent the unit from operating properly

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ADANGER!

ELECTRICAL SHOCK HAZARD. Do not restore power until all Smoke Alarms are completely installed. Restoring power before installation is complete may result in serious electrical shock, injury or death. 6. Make sure the Smoke Alarm is receiving AC power. Under normal

- peration, the Green power indicator light will shine continu 7. If the Green power indicator light does not light. TURN OFF POWER
- TO THE JUNCTION BOX and recheck all connections. If all connections are correct and the Green power indicator still does not light when you store the power, the unit should be replaced immediate 8. Test each Smoke Alarm. Press and hold the Test/Silence button until the
- unit alarms. When testing a series of interconnected units you must test each unit individually. Make sure all units alarm when each one

ADANGER!

If any unit in the series does not alarm, TURN OFF POWER and recheck connections. If it does not alarm when you restore power, replace it immediately.

Special Requirements For Interconnected Smoke Alarms **AWARNING!**

- Failure to meet any of the above requirements could damage the units and cause them to malfunction, removing your protection. AC and AC/DC Smoke Alarms can be interconnected. Under AC
- power, all units will alarm when one senses smoke. When power i interrupted, only the AC/DC units in the series will continue to ser and receive signals. AC powered Smoke Alarms will not operate.

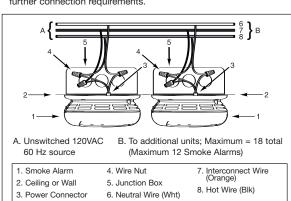
Interconnected units can provide earlier warning of fire than stand-alone units, especially if a fire starts in a remote area of the dwelling. If any unit in the series senses smoke, all units will alarm. To determine which Smoke Alarm initiated an alarm, see table:

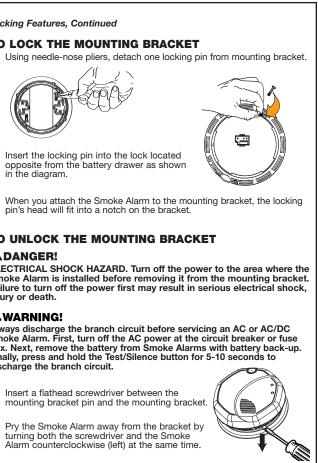
On Initiating Alarms Red LED flashes rapidly

On All Other Alarms Red LED is Off

IMPORTANT! nnect units within a single family residence only. Otherwise all house holds will experience unwanted alarms when you test any unit in the series Interconnected units will only work if they are wired to compatible units and all requirements are met. This unit is designed to be compatible with: *First Alert*[®] Smoke Alarm Models SA4120, SA4121B, SA100B, 9120 series and **BRK Electronics**[®] Smoke Alarm Models 100S, 4120 series, 9120 series 7010 series; **BRK Electronics**[®] Heat Alarm Models HD6135F, HD6135FB; Smoke/CO Alarm Models SC6120B, SC9120B; CO Alarm Model CO5120B; Relay Modules RM3 and RM4.

- Interconnected units must meet ALL of the following requirements: • A maximum of 18 compatible units may be interconnected Maximum of 12 Smoke Alarms).
- The same fuse or circuit breaker must power all interconnected units.
- The total length of wire interconnecting the units should be less than 1000 feet (300 meters). This type of wire is commonly available at Hardware and Electrical Supply stores.
- All wiring must conform to all local electrical codes and NFPA 70 (NEC). efer to NFPA 72, NFPA 101, and/or your local building code for further connection requirements.





- ELECTRICAL SHOCK HAZARD. Turn off the power to the area where the Smoke Alarm is installed before removing it from the mounting bracket. Failure to turn off the power first may result in serious electrical shock,

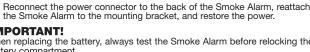
AWARNING! Always discharge the branch circuit before servicing an AC or AC/DC Smoke Alarm. First, turn off the AC power at the circuit breaker or fuse box Next, remove the battery from Smoke Alarms with battery back-up. Finally, press and hold the Test/Silence button for 5-10 seconds to discharge the branch circuit. 1. Remove the Smoke Alarm from the mounting

Once the Smoke Alarm is installed, you must disconnect it from the AC power before unlocking the battery compartment.

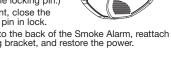
bracket. If the unit is locked to the bracket, see the section "To Unlock the Mounting Bracket."

TO UNLOCK THE BATTERY COMPARTMENT

- 2. Disconnect the power connector by gently prying it away from the back of the Smoke Alarm.
- 3. 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.)
- battery door and reinsert locking pin in lock. 5. Reconnect the power connector to the back of the Smoke Alarm, reattach
- **IMPORTANT!** When replacing the battery, always test the Smoke Alarm before relocking the
- 3



battery compartment.

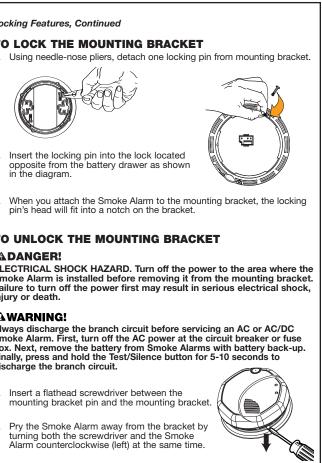


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IMPORTANT!

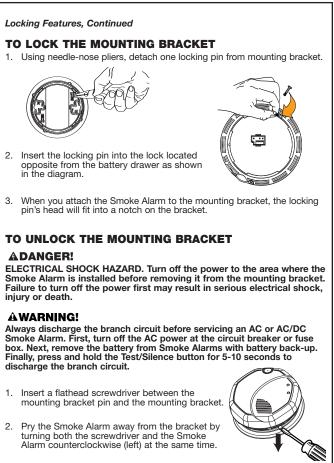
ADANGER!

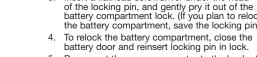
injury or death.



ADANGER! iniury or death.

AWARNING!









Strip off about 1/2" (12 mm) of the plastic coating on the orange wire on the power connector. Connect the white wire on the power connector to the neutral wire in the junction box.

If you purchased the Talking Smoke and Carbon Monoxide Alarm, you

and repeat steps 4 through 6.

CLOSE THE DRAWER

the test button.

you begin installation.

ADANGER!

will now be prompted to set the $I \square J / J$ Alarm's location. Follow the direction given by the Alarm.

NOTE: Steps 4 through 6 need to be completed within two minutes.

Insert the batteries into the battery drawer of the next Alarm. DO NOT

Once you hear the unit chirp, release the test button. The Green power

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

If you have purchased the hardwired battery back-up ONELINK[®] Alarm, you can now connect the hardwired Alarm by installing the three-wire connector on the ceiling to the Alarm.

FOLLOW THESE INSTALLATION STEPS

The basic installation of this Smoke Alarm is similar whether you want to

Istall one Smoke Alarm, or interconnect more than one Smoke Alarm.

If you are interconnecting more than one Smoke Alarm, you MUST read

Special Requirements For Interconnected Smoke Alarms" below before

ELECTRICAL SHOCK HAZARD. Turn off power to the area where you

Connect the white wire on the power connector to the neutral wire in

Connect the black wire on the power connector to the hot wire in the

Tuck the orange wire inside the junction box. It is used for interconnect

vill install this unit at the circuit breaker or fuse box before begin

stallation. Failure to turn off the power before installation m

in serious electrical shock, injury or death.

Remove the mounting bracket from the base, and attach it to the junction

. Using wire nuts, connect the power

connector to the household wiring.

STAND-ALONE ALARM ONLY:

INTERCONNECTED UNITS ONLY:

the junction box.

junction box.

only.

10. Repeat steps 4-9 for additional ONELINK® Alarms.

You have now successfully linked your new ONELINK® Alarms

To add additional Alarms at a later time, follow steps 4 through 9.

hirps and its Green power LED stops blinking. Then release

If more than two minutes pass, the Green power LED will stop blinking. Simply open the battery drawer of the second Alarm

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

LED will start to blink indicating the ONELINK® Alarm is waiting for program data from one of the other setup ONELINK® Alarms.

Press and hold the test button on the first Alarm, until the second

Q

- Connect the black wire on the power connector to the hot wire in the junction box.
- Connect the orange wire on the power connector to the interconnect wire in the junction box. Repeat for each unit you are interconnecting.
- Never connect the hot or neutral wires in the junction box to the orang onnect wire. Never cross hot and neutral wires between Alarms
- . Plug the power connector into the back of the Smoke Alarm. Position the base of the Smoke Alarm over the mounting bracket and
- turn. The Alarm can be positioned over the bracket every 90°. Turn the Smoke Alarm clockwise (right) until the unit is in place.

Check all connections.

AWARNING! Improper wiring of the power connector or the wiring leading to the ower connector will cause damage to the Alarm and may lead to a non-functioning Alarm.

Continued above.

- **OPTIONAL LOCKING FEATURES** The locking features are designed to discourage unauthorized removal of the battery or Alarm. It is not necessary to activate the locks in single-family ouseholds 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.
- Tools you will need: Needle-nose pliers Standard Flathead screwdriver. Both locking features use locking pins, which are molded into the mounting bracket. Using needle-nose pliers, remove one or both pins 🦨 from the mounting bracket, depending on how many locking features you want to use.
- **IMPORTANT!**
- o permanently remove either lock, insert a flathead screwdriver between the locking pin and the lock, and pry the pin out of the lock.
- TO LOCK THE BATTERY COMPARTMENT
- Do not lock the battery compartment until you have installed the battery and tested the battery back-up.
- Push and hold Test/Silence button until the alarm sounds: 3 beeps, pause, 3 beeps, pause.

IMPORTANT! If the unit does not alarm during testing, DO NOT lock the battery

compartment! Install a new battery and test again. If the Smoke Alarm still does not alarm, replace it immediately. Using needle-nose pliers, detach one locking pin from the mounting

Push the locking pin through the hole near the battery drawer on the

back of the Smoke Alarm.

UNDERSTANDING THE INDICATOR LIGHTS AND ALARM HORN PATTERNS		
	AC Power All Models	DC Power
Normal Operation	Constant Green LED	Green LED Off
	No Audible Alarm	No Audible Alarm
Test Condition	Constant Green LED	Green LED Off
	Rapidly Flashing Red LED	Rapidly Flashing Red LED
	Audible Alarm	Audible Alarm
Alarm Condition* (Initiating Unit)	Constant Green LED	Green LED Off
	Rapidly Flashing Red LED	Rapidly Flashing Red LED
	Audible Alarm	Audible Alarm
Silence Mode	Rapidly Flashing Red LED	Rapidly Flashing Red LED
Low Battery	Alarm "chirp" approx. once/minute	Alarm "chirp" approx. once/minute
Malfunction	3 rapid "chirps" every minute; LED flashes approx. once a minute	3 rapid "chirps" every minute; LED flashes approx. once a minute
NOTE: When power is applied, unit(s) may alarm momentarily. *When any Smoke Alarm in an interconnected series triggers an alarm, its red LED will flash rapidly. The red LEDs will remain OFF on any remaining alarms in the series. This feature helps responders identify which unit(s) triggered the alarm		

triggered the alarm.

WEEKLY TESTING

AWARNING

ACAUTION!

AWARNING!

immediately.

protection.

IMPORTANT!

terminals on the unit.

or wall):

 NEVER use an open flame of any kind to test this unit. You might entally damage or set fire to the unit or to your home. The built-in test switch accurately tests the unit's operation as required 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 replacement. See "Limited Warranty" at the end of this manual.

DO NOT stand close to the Alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding.

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

When testing a series of interconnected units you must test each unit individually. Make sure all units alarm when each one is tested.

REGULAR MAINTENANCE

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.

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 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 back-up becomes weak, the Smoke Alarm will "chirp" about once a minute (the low battery warning). This warning should last 7 days, but you should replace the batteries immediately to continue your

Choosing a replacement battery:

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

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

To replace the batteries (without removing Alarm from the ceiling

1. Open the battery compartment. 2. Press tabs A and B as shown in the diagram and remove each battery.

3. Insert the new batteries, making sure they snap completely into the battery compartment. Match the terminals on

the ends of the batteries with the

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



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