

M08-0134-010 **K1** 01/15

Printed in Mexico

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

INTRODUCTION

Thank you for choosing BRK Brands, Inc. 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

Smart Technology designed to help reduce unwanted or nuisance alarms.

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 clearing the Latching feature. Latching Alarm Indicator easily identifies initiating alarm even after the alarm condition

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

Dust Cover is included to keep the alarm clean during construction

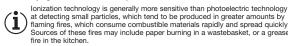
Easy Installation/Maintenance features include a large opening in the mounting bracket for easy access to wiring. A battery pull tab keeps the battery fresh until the home is occupied. A Side Load Battery Drawer allows for easy battery replacement without removing the alarm from the ceiling or wall (Model 9120B only).

Improved UV Resistance keeps the alarm from discoloring over time.

© 2015 BRK Brands, Inc. All rights reserved. Distributed by BRK Brands, Inc. 3901 Liberty Street Boad, Aurora, IL 60504-8122

Consumer Affairs: (800) 323-9005 www.brkelectronics.com • www.firstalert.com

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 in all fires.



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

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

FIRE SAFETY TIPS

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children; 3) Store flammable materials in proper containers; 4) Keep ele and debris-free; 6) Never leave anything cooking on the stove unattended; 7) Keep portabl heaters and open flames, like candles, away from flammable materials; 8) Don't let rubbish

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

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 a 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 For Smoke Alarms" and "Locations To Avoid For Smoke Alarms" for details.

Know What Smoke Alarms Can and Can't Do

Check Your Local Building Codes

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

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.

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 vou 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; ICC; 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

 This unit must be powered by a 24-hour. 120V AC pure sine wave 60 Hz 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-hou ircuit may prevent it from providing consta onnected to an arc fault circuit interrupter. nstant protection. Unit may be

 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 weak, protection should last for up to 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 cas 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 unwa smoke away from the unit. The alarm will reset aut

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 o auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly.

 The battery compartment resists closing unless a battery is installed. This warns you the unit will not operate under DC power without a battery.

. Do not paint over the unit. Paint may clog the openings to the sensing

chamber and prevent the unit from operating properly

HOW TO INSTALL THIS SMOKE ALARM

This Smoke Alarm is designed to be mounted on any standard wiring junction box to a 4-inch (10 cm) size, on either the ceiling or wall. Read "Recommended Locations For Smoke Alarms" and "Locations to Avoid For Smoke Alarms" before you begin installation. Tools you will need: • Needle-nose pliers or utility knife • Standard Flathead screwdriver.

Make sure the Alarm is not receiving excessively noisy power. Examples of noisy power could be major appliances on the same circuit, power from a generator or solar power, light dimmer on the same circuit or mounted near fluorescent lighting. Excessively noisy power may cause damage to your Alarm.

THE PARTS OF THIS SMOKE ALARM

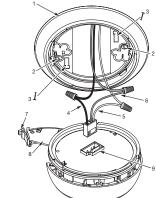
The Mounting Bracket:
To remove the mounting bracket from the Smoke Alarm base, hold the Smoke Alarm base firmly and twist the mounting bracket counterclockwise. The mounting bracket installs onto the junction box. It has a variety of screw slots to fit most boxe

The Power Connector:
The power connector plugs into a power input block on the Smoke Alarm. It supplies the unit with AC power.

• The black wire is "hot."

. The white wire is neutral. • The orange wire is used for interconnect

If you need to remove the power connector, insert a flat screwdriver blade between the power connector and the security tab inside the power input block. Gently pry back the tab and pull the connector free



The Parts of This Unit 1 Mounting Bracket 2 Mounting Slots 3 Locking Pins (break out of bracket) 4 Hot (Black) AC Wire 5 Neutral (White) AC Wire

6 Interconnect (Orange) Wire 7 Latch to Open Battery Compartment 8 Swing-Out Battery Compartment 9 Quick-Connect Power Connector

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 house

This alarm has two separate locking features: one to lock the battery compartment, and the other to lock the Smoke Alarm to the mounting bracket. This alarm is shipped from the factory with the battery drawer locked because it features a 10 year battery backup. Unditions you should not have to replace the battery for the life of the alarm. If you need to replace the battery follow the UNLOCK THE BATTERY COMPARTMENT instructions below. Re-lock Battery Compartment if desired.

Both locking features use locking pins, which are molded into the mounting bracket. Using needle nose pliers or a utility knife, remove one or both pins from the

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

The basic installation of this Smoke Alarm is similar whether you want to install one Smoke Alarm, or interconnect more than one Smoke Alarm. If you are interconnectin more than one Smoke Alarm, you MUST read "Special Requirements For Interconnection Smoke Alarms" below before you begin installation.

ADANGER!

ELECTRICAL SHOCK HAZARD. Turn off power to the area where you will install this unit at the circuit breaker or fuse box before beginning installation. Failure to turn off the power before installation may result in serious electrical shock, injury or death. Using wire nuts, connect the power connector to the household wiring

AWARNING!

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

STAND-ALONE ALARM ONLY:

- Connect the white wire on the power connector to the neutral wire in the junction box
- Connect the black wire on the power connector to the hot wire in the junction box. Tuck the orange wire inside the junction box. It is used for interconnect only.

INTERCONNECTED UNITS ONLY:

Strip off about 1/2" (12 mm) of the plastic coating on the orange wire on the

Connect the white wire on the power connector to the neutral wire in the junction 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 orange interconnect wire. Never cross hot and neutral wires between Alarms.

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

3. 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 will remain secure over a wide rotation range to allow for perfect alignment. When wall mounting, this will allow fine-tuning on the positioning to compensate for misaligned wall studes and to keep the wording level. The Alarm can be positioned over the bracket every 120°. Rotate the Alarm until aligned properly.

STAND-ALONE ALARM ONLY: • If you are only installing one Smoke Alarm, restore power to the junction box.

INTERCONNECTED UNITS ONLY:

If you are interconnecting multiple Smoke Alarms, repeat steps 1-5 for each Smoke Alarm in the series. When you are finished, restore power to the

ADANGER!

ELECTRICAL SHOCK HAZARD. Do not restore power until all Smoke Alarms are led. Restoring power before installation is complete may result in serious electrical shock, injury or death.

Make sure the Smoke Alarm is receiving AC power. Under normal operation, the Green power indicator light will shine continuousl

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 restore the power, the unit should be replaced immediately. Single Station Alarms: Test each Smoke Alarm. Press and hold the Test/Silence

button until the unit alarms. Interconnected Alarms: Press and hold the Test/Silence button until the unit alarms All interconnected Alarms should sound. The other Alarms sounding only tests the nterconnect signal between Alarms. It does not test each Alarm's operation. You nust test each Alarm individually to check if the Alarm is functioning properly.

ADANGER!

IMPORTANT!

IMPORTANT!

ADANGER!

AWARNING!

locking pin.)

IMPORTANT!

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 imme

Tools you will need: • Needle-nose pliers or utility knife • Standard Flathead screwdriver.

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

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.

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.

Disconnect the power connector by gently prying it away from the back of the Smoke

Remove the Smoke Alarm from the mounting bracket. If the unit is locked to the

When replacing the battery, always test the Smoke Alarm before relocking the battery

bracket, see the section "To Unlock the Mounting Bracket,

3. Score the area around the locking pin to break the

seal. Insert a flathead screwdriver under the head of

the locking pin or use a needle nose pliers to gently

plan to re-lock the battery compartment, save the

To relock the battery compartment, close the battery

Reconnect the power connector to the back of the Smoke Alarm, reattach the Smoke Alarm to the

door and reinsert locking pin in lock

mounting bracket, and restore the power

pry it out of the battery compartment lock. (If you

unting bracket, depending on how many locking features you want to use

TO UNLOCK THE BATTERY COMPARTMENT

9. For new construction, place supplied dust cover over Alarm to prevent damage from AWARNING!

Smoke will not be able to reach smoke sensor while cover is in place. Cover must

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 is interrupted, only
the AC/DC units in the series will continue to send and receive signals.

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:

During an Alarm: Red LED(s) flashes (flash) rapidly On Initiating Alarm(s) On All Other Alarms Red LED is Off

After an Alarm (Latching):

On Initiating Alarm(s) Green LED(s) On for 2 seconds/Off for 2 seconds On All Other Alarms Green LED(s) On, Red LED(s) is Off

IMPORTANT!

Interconnect units within a single family residence only. Otherwise all households 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:

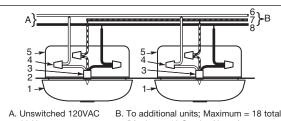
First Alert® Smoke Alarm Models SA4120, SA4121B, SA100B, SA520 and BRK® Smoke

First Aler* Smoke Alarm Models SA4120, SA4121B, SA100B, SA520 and BRK* Smc Alarm Models 9120, 9120B, SC6120B, SC9120B, 7010, 7010B, 7010BSL, SC7010B, SC7010BV, 100S, 4120, 4120B, 4120SB; BRK* CO Alarm Models CO5120BN, CO5120PDBN; BRK* Heat Alarm Models HD6135F and HD6135FB; BRK* Auxiliary Devices Models RM3 and RM4 (Relay Modules), SL177 (Strobe Light). See www.brkelectronics.com for most current interconnect list.

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). Refer to NFPA 72, NFPA 101, and/or your local building code for further connection



(Maximum 12 Smoke Alarms) 60 Hz source . Smoke Alarm 4. Wire Nut 7. Interconnect Wire (Orange) 2. Ceiling or Wall Junction Box 8. Hot Wire (Blk) 3 Power Connector 6 Neutral Wire (Wht)

Do not lock the battery compartment until you have activated the battery and tested the battery back-up.

TO LOCK THE BATTERY COMPARTMENT

1. Activate the battery back-up by removing the

"Pull to Activate Battery Back-Up" tab.

sounds: 3 beeps, pause, 3 beeps, pause.

IOT lock the battery compartment! Install a new battery and test again. If the Smoke Alarm

detach one locking pin from the mounting

dot on the label on the back of the Smoke

2. Push and hold test button until the alarm

If the unit does not alarm during testing, DO

still does not alarm, replace it immediately.

3. Using needle-nose pliers or a utility knife,

4. Push the locking pin through the black

IMPORTANT!

bracket.

UNDERSTANDING THE INDICATOR LIGHTS AND **ALARM HORN PATTERNS** LED (Red or Green lormal Operatio AC Power) Normal Operation (DC Power – 9120B only) Green LED OFF; Red LED flashes once/minute No Audible Alarm DURING TESTING Red LED flashes orn pattern beeps, pause, 3 beeps LOW OR MISSING Red LED flashes lorn "chirps" BATTERY (9120B only) ALARM CONDITION Red LED flashes orn pattern: noke Initiating Device apidly on the unit B beeps, pause, 3 beeps that triggered the ause repeating on all ALARM CONDITION Red LED on the orn pattern: other Alarms in an B beeps, pause, 3 beeps interconnected serie will be OFF. ause repeating on all Red LED flashes once every 10 seconds IN SILENCE MODE lorn remains silent for "LATCHING" ALARM INDICATOR Green LED ON for seconds/OFF for lorn remains silent 2 seconds, repeatedly until reset, on initiating

WEEKLY TESTING AWARNING!

NEVER use an open flame of any kind to test this unit. You might accidentally damage or stire 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).

ACAUTION!

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 It is important to test this unit every week to make sure it is working properly. Usin 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

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.

Test it at reast of the 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 Si 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 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 battery immediately to continue your protection.

Choosing a replacement battery: Your Smoke Alarm requires one standard 9V battery. The following batteries are acceptab is replacements: Duracell #MN1604, (Ultra) #MX1604; Eveready (Energizer) #522, Everead Energizer) #1222. You may also use a Lithium battery like the Ultraifie U9V1-J. U9V1-J-P or longer service life between battery changes. These batteries are available at many

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 correctly with regard to polarity

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

TERIES IN FIRE. BATTERIES MAY EXPLODE OR LEAK. AWARNING!

Keep battery out of reach of children. In the event a battery is swallowed, immediately contact your poison control center, your physician, or the National Battery Ingestion hotline at 202-625-3333 as serious injury may occur IMPORTANT!

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

IF THIS SMOKE ALARM SOUNDS

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

AWARNING!

ADANGER!

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.

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.

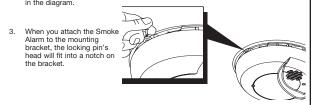
When an interconnected system of AC powered units is in alarm, the alarm indicator light or the unit(s) that initiated the alarm will blink rapidly. It will remain OFF on any remaining units If the unit alarms and you are certain that the source of smoke is not a fire—cooking smoke or an extremely dusty 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. This will silence the alarm. The will silence the alarm. The works clears the unit will reset itself automatically.

Locking Features (Continued) TO LOCK THE MOUNTING BRACKET

detach one locking pin from mounting bracket.



2. Insert the locking pin into the in the diagram.

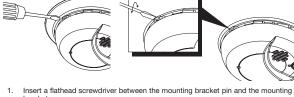


TO UNLOCK THE MOUNTING BRACKET ADANGER!

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! 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 batte rom Smoke Alarms with battery back-up. Finally, press and hold the test button for



2. Pry the Smoke Alarm away from the bracket by turning both the screwdriver and the Smoke Alarm counterclockwise (left) at the same time

IF THIS SMOKE ALARM SOUNDS, Continue WHAT TO DO IN CASE OF FIRE

your name.

Never go back inside a burning building for any reason.

To silence Smoke Alarms in an interconnected series:

ode" in approximately 10 minutes.

BAS

IF YOU SUSPECT A PROBLEM

AWARNING!

If you hear a "chirp" once a minute, replace the battery

Installing Smoke Alarms in Single-Family Residences

More specifically, install Smoke Alarms:

IMPORTANT!

BATTERY OPERATED

HALL BEDROOM

ղ ●♦

40

NFPA 72 Chapter 29

29.5.1* Required Detection

(1)*In all sleeping rooms and guest rooms

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

California State Fire Marshal (CSFM)

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

n 🕏

"LATCHING ALARM" INDICATOR

AWARNING!

AWARNING!

IMPORTANT!

USING THE SILENCE FEATURE

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

Call the Fire Department as soon as possible from outside. Give your address, then

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

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 alar

Not responding to an alarm can result in property loss, injury, or death. If the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously

To silence multiple alarms in an interconnected series, you must press the Test/Silence button on the unit(s) that initiated the alarm.

NOTE: The red LED on the initiating alarms will flash rapidly. The red LED will be Off on all other non-initiating alarms. No audible sound will be heard. The unit will exit "silence

While the unit is in "silence mode", pressing and holding the Test/Silence button for approximately 10 seconds will test the unit. After testing, the unit will re-enter "silenc mode" and the 10-minute timer is reset.

KITCHEN GARAGE

The Latching Alarm Indicator is automatically activated after an Alarm is exposed to

alarm levels of smoke. After smoke levels drop below alarm levels, the green LED will be On for 2 seconds/Off for 2 seconds, repeatedly. This feature helps emergency responde investigators, or service technicians identify which unit(s) in your home were exposed to

alarm levels of smoke after the condition has subsided. The Latching Alarm Indicator stays

ON until you reset it by pressing the Test/Silence button. The Latching Alarm Indicator is also reset when AC and DC power is removed from the Alarm.

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

pattery, then test the Smoke Alarm again. If it fails to test properly when you use the Test/ Silence button, or if the problem persists, replace the Smoke Alarm immediately.

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.

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 batte from Smoke Alarms with battery back-up. Finally, press and hold the test button for 5-10 seconds to discharge the branch circuit.

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.

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

emain between 40° F (4.4° C) and 100° F (37.8° C). Make sure no door or other obstruction

Inside every bedroom, especially if people sleep with the door partly or completely closed

In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. If a hall is more than 40 feet (12 meters) long, install a unit at each end.

nents for Smoke Alarm installation vary from state to state and from region

HARDWIRED

BEDROOM HALL BEDROOM

CO ALARMS

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

"For "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 a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as

(2)"Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel

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

(Reprinted with permission from NFPA 72°, National Fire Alarm and Signaling Code Copyright © 2010 National Fire Protection Association, Quincy, MA 02269. This reprinted

Copyright '92/U1 National Fire Protection Association, Quincy, MA 022691. Ins reprinted material is not the complete and official position of 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 Protection Association, Inc., Quincy, MA 02269).

Carly 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

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

On every level of your home, including finished attics and basements

b region. Check with your local Fire Department for current requirements in your commended AC or AC/DC units be interconnected for added protection.

RECOMMENDED LOCATIONS FOR SMOKE ALARMS

Do not try fixing the alarm yourself – this will void your warranty!

If you experience frequent non-emergency alarms (like those caused by cooking smoke), try relocating the Smoke Alarm.

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.

artment for ideas on making your home safer.

s unit can temporarily quiet an unwanted alarm for up to 10 minutes.

KEY:

LATCHING ALARM:
Unit was exposed to alarm levels of Smok

- 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.
- chamber or a smoke Alarm hear 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 (4.4° C) or above 100° F (37.8° C) including unheated buildings, outdoor rooms, porches, or unfinished attics or

LOCATIONS TO AVOID FOR SMOKE ALARMS, Continued

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.

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

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 inches (102 mm) and 12 inches (305 mm) from the wall/ceiling line, below pical "dead air" spaces.

On a peaked, gabled, or cathedral ceiling, install the first Smoke Alarm within 3 feet (0.9 meters) of the peak of the ceiling, measured horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope. Refer to NFPA 72 for details on requirements for sloped or peaked ceilings.

ABOUT SMOKE ALARMS

Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation. However, they do not provide interconnected functionality. AC powered Smoke Alarms: Can be interconnected so if one unit senses smoke, all units alarm. They do not operate if electricity fails. AC with battery (DC) back-up: will operate if electricity fails, provided the batteries are fresh and correctly AC/DC units must be installed by a qualified electrician.

Wireless Interconnected Alarms: Offer the same interconnected functionality as with vired alarms, without wires. Units are easy to install and do not require pro installation. They provide protection even when electricity fails, provided the batteries are fresh and correctly installed.

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 "quasi sine wave" inverters will damage the Alarm. If you are not sure about your inverter or UPS type, please consult with the manufacturer to verify. Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual alarm and an audible alarm ho 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 and Signaling Code) and NFPA 101 (Life Safety Code). National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in different areas of the home SPECIAL COMPLIANCE CONSIDERATIONS

This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care facilities, health care facilities, boarding houses, group homes and dormitories provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection his Smoke Alarm alone is not a suitable substitute for complete fire det This Smoke Alarm aione is not a suitable substitute for complete life 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-residen buildings which require special fire detection and alarm systems. Depending on the buildings which require special fire detection and alarm systems. Depending on the buildings which require special fire detection and alarm systems. Depending on the buildings which require special fire detection and surface special fire detection and provide additional protection in

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

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

Smoke alarms may not waken all individuals. Practice the escape plan at least twice a year, making sure that everyone is involved – from kids to grandparents. Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily waken to the sound of the smoke alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in fire drill and in the event of an emergency. It is recommended that you hold a fire drill while family members are sleeping in order to determine their response to the sound of the smoke alarm while sleeping and to determine whether they may need assistance in the event of an emergency.

Smoke Alarms cannot work without power. Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot work if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a power station, electrica fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or AC power, install both types of units.

Smoke Alarms cannot detect fires if the smoke does not reach the Alarms. Smoke from fires in chimneys or walls, on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the Alarm. That is why one unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them.

and in the hallway between them.

Smoke Alarms may not detect fire on another floor or area of the dwelling. 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 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 in a remote area. Some safety experts recommend installing interconnected AC powered units with battery back-up (see "About Smoke Alarms") or professional fire detection systems, so if one unit senses smoke, all units alarm. Interconnected units may provide earlier 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 outside a closed or partially closed door, 2) residents recently consumed alcohol or drugs, 3) the Alarm is drowned out by noise from stereo, TV, traffic, air conditioner or other appliances, 4) residents are hearing impaired or sound sleepers. Special purpose units, like those with visual and audible alarms, should be installed for hearing impaired residents.

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

Smoke Alarms have a limited life. The unit should be replaced immediat operating properly. You should always replace a Smoke Alarm after 10 yes purchase. Write the purchase date on the space provided on back of unit.

LIMITED 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, us 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 jurisdiction 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

that of merchantability or fitness for any particular purpose with respect to battery

EINITED WARTHAN
BIRK Brands, Inc., ("BRK") the maker of BRK® brand and First Alert® brand products, warrants that for a period of ten years from the date of purchase, this product will be fre 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.

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.

For Warranty Service return to: BRK Brands, Inc., 25 Spur Drive, El Paso, TX 79906 Battery: BRK Brands, Inc. make no warranty, express or implied, written or oral, including

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

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

Printed in Mexico
M08-0134-010 K1 01/15

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 (6 meter) distance is not possible – in modular, mobile, or smaller homes, for example – it is recommended the Smoke Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these 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.

Continued...