



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



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All BRK® and First Alert® Smoke Alarms conform to regulatory requirements, including BS5446: Pt. 1:2000 or UL217 and are designed to detect particles of combustion. Smoke particles of varying number and size are produced in all fires.

Ionisation 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 ionisation technology at detecting large particles, which tend to be produced in greater amounts by smouldering fires, which may smoulder 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**

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children. 3) Store flammable materials in proper containers. 4) Keep electrical appliances in good condition and don't overload mains circuits. 5) Keep cookers, barbecue grills, fireplaces and chimneys grease- and debris-free. 6) Never leave anything heating on the cooker unattended. 7) Keep portable heaters and candles away from flammable materials. 8) Don't let rubbish accumulate. Keep alarms clean, and test them weekly. Replace alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every floor, and an additional one in the kitchen along with a fire blanket. 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 mains powered? Different Smoke Alarms provide different types of protection. See "About Smoke Alarms" for details.

**Know Where To Install Your Smoke Alarms**

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

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

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

**Check Your Local Building Regulations**

This Smoke Alarm is designed to be used in a typical single-family residence. It alone may not meet requirements for boarding houses, sheltered housing, hotels, motels, hostels, inns or communal escape routes in blocks of flats. See "Special Compliance Considerations" for details.

**WARNING!**

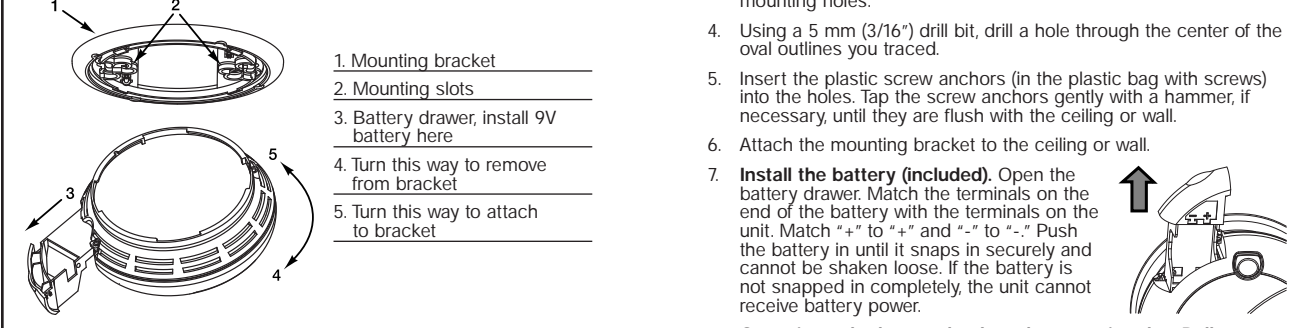
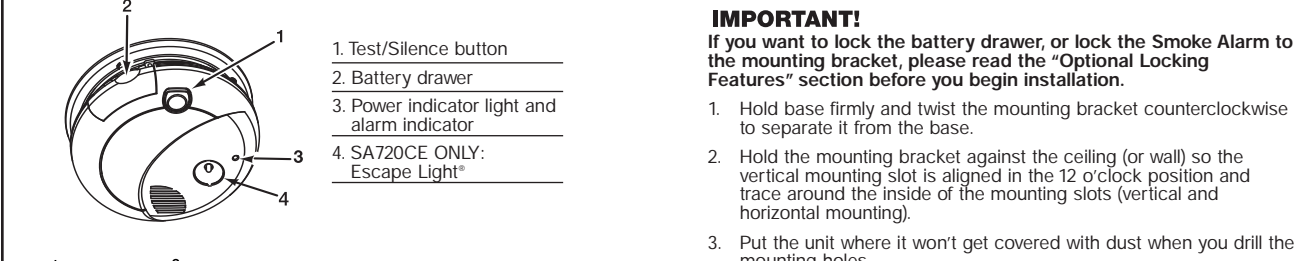
- This unit will not alert hearing impaired residents. It is recommended that you install special units which use devices like flashing strobe lights to alert hearing impaired residents.
- Do not connect this unit to any other alarm or auxiliary device. It is a single-station unit that cannot be linked to other devices. Connecting anything else to this unit may prevent it from working properly.
- Unit will not operate without battery power. The Smoke Alarm cannot work until you install the battery in the correct position (Match "+" to "+" and "-" to "-").
- This Smoke Alarm has a battery guard which resists closing unless a battery is installed. This warns you the unit will not operate without a battery.
- Do not install the Alarm where it may be exposed to dripping water or could be splashed.

**CAUTION!**

- Do not install this unit over a mains cable junction box or holes in the ceiling. Air currents can prevent smoke from reaching the sensing chamber and prevent the unit from alarming. Only mains (AC) powered units are intended for installation over mains cables.
- Do not stand too close to the unit when the alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.
- Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

**HOW TO INSTALL THIS SMOKE ALARM**

**FOLLOW THESE SIMPLE STEPS!**



**TOOLS YOU WILL NEED:**  
This unit is designed to be mounted on the ceiling, or on the wall if necessary.

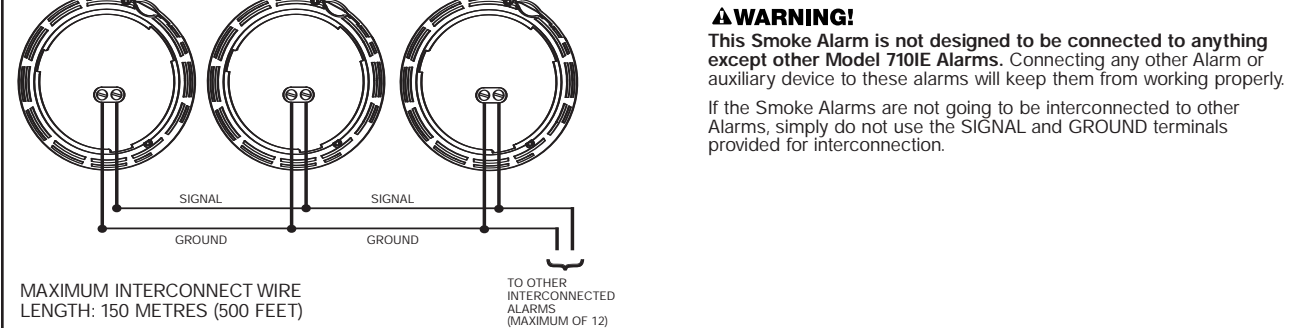
- Pencil
- Drill with 5 mm (3/16") drill bit
- Standard flathead screwdriver
- Hammer
- Pliers or utility knife, to activate optional "tamper-resistant" locking features

- Hold base firmly and twist the mounting bracket counterclockwise to separate it from the base.
- Hold the mounting bracket against the ceiling (or wall) so the vertical mounting slot is aligned in the 12 o'clock position and trace around the inside of the mounting slots (vertical and horizontal mounting).
- Put the unit where it won't get covered with dust when you drill the mounting holes.
- Using a 5 mm (3/16") drill bit, drill a hole through the center of the oval outlines you traced.
- Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.
- Attach the mounting bracket to the ceiling or wall.
- Install the battery (included). Open the battery drawer. Match the terminals on the end of the battery with the terminals on the unit. Match "+" to "+" and "-" to "-". Push the battery in until it snaps in securely and cannot be shaken loose. If the battery is not snapped in completely, the unit cannot receive battery power.

**HOW TO INTERCONNECT ALARMS (Model 710IE Only)**

Up to 12 Smoke Alarms may be interconnected so that if one Alarm senses smoke, all the Alarms will sound an alarm. Low battery warning will sound only in an Alarm that needs a new battery, however. The wiring must conform to current IEEE regulations for electrical installations.

Connect the alarms together by connecting all the SIGNAL terminals to each other and all GROUND terminals to each other. See figure. Use twin core 0.75mm<sup>2</sup> multi-strand or larger twin-core cable.



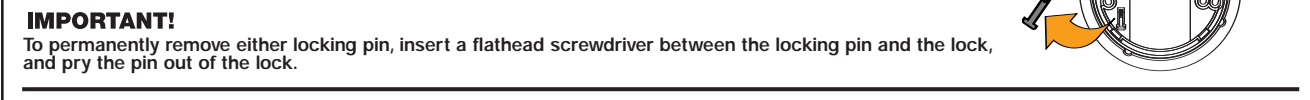
**OPTIONAL LOCKING FEATURES**

The optional locking features are designed to discourage unauthorized removal of the battery or Alarm. It is not necessary to activate the locks in single-family households where unauthorized battery or Alarm removal is not a concern.

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 or utility knife • Standard Flathead screwdriver.

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



**TO LOCK THE BATTERY COMPARTMENT**

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

- Install the battery so the terminals on the battery match the terminals on the Smoke Alarm. Match "+" to "+" and "-" to "-". Push the battery in until it snaps in securely and cannot be shaken loose. If the battery is not snapped in completely, the unit cannot receive battery power.
- Push and hold Test/Silence button until the alarm sounds: beep, beep, beep...

**TO UNLOCK THE BATTERY COMPARTMENT**

- Remove the Smoke Alarm from the mounting bracket. If the unit is locked to the bracket, see the section "To Unlock the Mounting Bracket."
- 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.)
- To relock the battery compartment, close the battery door and reinsert locking pin in lock.
- Reattach the Smoke Alarm to the mounting bracket.

**TO LOCK THE MOUNTING BRACKET**

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

**TO UNLOCK THE MOUNTING BRACKET**

- Insert a flathead screwdriver between the mounting bracket pin and the mounting bracket.
- Pry the Smoke Alarm away from the bracket by turning both the screwdriver and the Smoke Alarm counterclockwise (left) at the same time.

**TO LOCK THE MOUNTING BRACKET**

- Using needle-nose pliers or a utility knife, detach one locking pin from the mounting bracket.
- Insert the locking pin through the hole on the back of the Smoke Alarm as shown in the diagram.
- When you attach the Smoke Alarm to the mounting bracket, the locking pins head will fit into a notch on the bracket.

**WEEKLY TESTING**

**WARNING!** NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the unit or to your home. The built-in test switch accurately tests the unit's operation as required by British Standards (BS). If you choose to use an aerosol smoke product to test the Smoke Alarm, be certain to use one that has been certified to British Safety Standards, and use it only as directed. Use of non-BSI certified products or improper use of BSI certified products may affect the Smoke Alarm's sensitivity.

**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.

**WARNING!**

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

- Test your Alarm at least once a week.
- Clean the Smoke Alarm at least once a month; gently vacuum the outside of the Smoke Alarm using your household vacuum's soft brush attachment. Test the Smoke Alarm. Never use water, cleaners or solvents since they may damage the unit.
- If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid unwanted alarms, replace the unit immediately.
- Relocate the unit if it sounds frequent unwanted alarms. See "Locations to Avoid For Smoke Alarms" for details.
- When the battery becomes weak, the Smoke Alarm unit will "chirp" about once a minute (the low battery warning). This low battery warning should last for 30 days, but you should replace the battery immediately to continue your protection.
- Test for proper Smoke Alarm operation using the test button whenever the battery is replaced.

**Choosing a replacement battery:**

Your Smoke Alarm requires a standard 9V battery. The following batteries are acceptable as replacements: Duracell #MN1604, Energizer #522. You may also use the Ultralife U9VL-J lithium battery for longer service life between battery changes. These batteries are available at many local retail stores.

**CAUTION!**

When using a lithium battery there is a danger of explosion if the battery is incorrectly replaced. Replace a lithium battery only with the same or equivalent type.

**IMPORTANT!**

Most carbon zinc batteries have an average service life of 1 year; most alkaline batteries have an average service life of 1-2 years; most Lithium batteries have an average service life of 6-10 years. 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**

**RESPONDING TO AN ALARM**

During an alarm, you will hear a loud, repeating horn pattern: beep, beep, beep. The LED will flash rapidly. Model SA720CE only: The Escape Light™ will turn on.

**WARNING!**

- If the unit alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death.
- Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted alarm (caused by cooking smoke, etc.). Removing batteries disables the alarm so it cannot sense smoke, and removes your protection. Instead open a window or fan the smoke away from the unit. The alarm will reset automatically.
- If the unit alarms get everyone out of the house immediately.

**WHAT TO DO IN CASE OF FIRE**

- Don't panic; stay calm. Follow your family escape plan.
- Get out of the house as quickly as possible. Don't stop to get dressed or 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 Brigade 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 Brigade for ideas on making your home safer.

**WARNING!**

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

**USING THE SILENCE FEATURE**

The Silence Feature can temporarily quiet an unwanted alarm for up to 15 minutes. To use this feature, press the "Push to Test/Silence" button 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. The LED will flash every 10 seconds while in silence.

**WARNING!**

The Silence Feature does not disable the unit—it makes it temporarily less sensitive to smoke. For your safety, if smoke around the unit is dense enough to suggest a potentially dangerous situation, the unit will stay in alarm or may re-alarm quickly if you do not know the source of the smoke, do not assume it is an unwanted alarm. Not responding to an alarm can result in property loss, injury, or death.

**IF YOU SUSPECT A PROBLEM**

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

- If you hear a "chirp" once a minute, replace the battery.
- If you experience frequent non-emergency alarms (like those caused by cooking smoke), try relocating the Smoke Alarm.
- If the alarm sounds when no smoke is visible, try cleaning or relocating the Smoke Alarm. The Alarm may be dirty or dusty.
- If the alarm does not sound during testing, try installing a new battery, and make sure it is snapped in securely.
- Model SA720CE only: The Escape Light™ bulb is not replaceable. In the unlikely event that the Escape Light™ does not operate during testing, please obtain guarantee service.

**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 guarantee, please see "How to Obtain Guarantee Service" in the Limited Guarantee.

**LIMITED GUARANTEE**

BRK Brands Europe Ltd., ("the Company"), guarantees its enclosed Smoke Alarm - but not the battery - to be free from defects in materials and workmanship under normal use and service for a period of ten years from the date of purchase. BRK Brands Europe Ltd. makes no other express guarantee for this Smoke Alarm. No agent, representative, dealer or employee of the Company has the authority to increase or alter the obligations or limitations of the Guarantee. The Company's obligation of this Guarantee shall be limited to the repair or replacement of any part of the alarm which is found to be defective in materials or workmanship under normal use and service during the ten year period commencing with date of purchase. The Company shall not be obligated to repair or replace alarms which are found to be in need of repair because of damage, unreasonable use, modifications or alterations occurring after the date of purchase.

**How to Obtain Guarantee Service**

Service: If service is required, do not return the product to your retailer. In order to obtain guarantee service, please telephone the Customer Service Dept. on 01275 845024 to arrange return.

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

**RECOMMENDED LOCATIONS FOR SMOKE ALARMS**

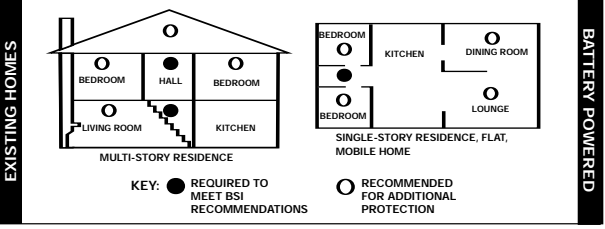
**Installing Smoke Alarms in Single-Family Residences**  
The building code requires one Smoke Alarm on every floor, and recommends one in every living area, and in every bedroom or sleeping area. In new construction, the Smoke Alarms must be mains (AC) powered. See "British Standards (BS) Recommendations" for details. For additional coverage, it is recommended that you also install a Smoke Alarm in halls, storage areas, and finished attics. Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms or minimize the sound level produced from ensuring the occupants from hearing the alarm signal.

**More specifically, install Smoke Alarms:**

- Where temperatures normally remain between 4° C (40° F) and 38° C (100° F).
- On every level of your home, including finished attics.
- Inside every bedroom, especially if people sleep with doors closed.
- In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.
- If a hall is over 75 metres (25 feet) long, install an alarm at each end.
- At the top of the first-to-second floor and subsequent floor stairways, and at the bottom of the ground floor stairway.

**IMPORTANT!**

Specific requirements for Smoke Alarm installation may vary from region to region. Check with your local Fire Brigade and Building Control for current requirements in your area.



**BRITISH STANDARDS (BSI) RECOMMENDATIONS**

**BS 5839 Part 6 (Code of practice for the design and installation of fire detection and alarm systems in dwellings)**

Smoke Alarms shall be installed in all circulation spaces (normally hallways and staircases) that form part of escape routes, one on every level, and in all rooms and areas that present a high fire risk. Additionally, Smoke Alarms should also be installed between the sleeping area(s) and the most likely sources of fire (living room and kitchen).

If there are long hallways, corridors, or protected rooms or areas over 75 metres (25 feet) from the nearest unit, the installation of additional Smoke Alarms may be necessary. Areas containing stored combustibles or sources of ignition may also warrant the installation of additional Smoke Alarms.

The installation of Smoke Alarms in kitchens, toilets, bathrooms or shower rooms is not recommended, as these locations occasionally experience conditions that can result in improper operation.

**LOCATIONS TO AVOID FOR SMOKE ALARMS**

For best performance, it is recommended you AVOID installing Smoke Alarms in these areas:

- Where combustion particles are produced. Combustion particles whether they may need assistance in the event of an emergency.
- Garages, or boiler rooms. Keep units at least 3 metres (10 feet) from the sources of combustion particles (cooker, boiler, space heater) 6 metres (20 feet) if possible. Ventilate these areas as much as possible. Note: If you must install Smoke Alarms closer than 6 metres (20 feet) from a source of combustion particles, keep the area well ventilated, and the Smoke Alarms clean.
- 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 keep units at least 3 metres (10 feet) away from bathrooms, toilets, showers, dishwashers, etc.
- Where the temperatures are regularly below 4° C (40° F) or above 38° C (100° F), including unheated buildings, outdoor rooms, or porches.
- In very dusty, dirty, or greasy areas. Do not install a Smoke Alarm directly over the cooker. Keep laundry room Smoke Alarms free of dust or lint.
- Near fresh air vents, ceiling fans, or in very drafty areas. Drafts can blow smoke away from the unit, preventing it from reaching the sensing chamber.
- In insect infested areas. Insects can clog openings to the sensing chamber and cause unwanted alarms.
- Less than 300 mm (12 inches) away from light fittings. Electrical "noise" can interfere with the sensor. i.e. fluorescent lights, etc.
- Where the bottom edge of wall mounted Smoke Alarms is placed below the level of any door opening.
- In rooms which are being decorated, painted or artexed.
- In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

**Avoiding Dead Air Spaces**

"Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow the installation recommendations below.

On ceilings, install Smoke Alarms as close to the centre of the ceiling as possible. If this is not possible, install the Smoke Alarm at least 300 mm (12 inches) from the wall or corner.

For wall mounting (if allowed by building regulations), the top edge of Smoke Alarms should be placed between 150 and 300 mm (6 and 12 inches) from the wall/ceiling line, below typical "dead air" spaces.

On a peaked, gabled, or cathedral ceiling, install the first Smoke Alarm within 0.9 metres (3 feet) of the peak of the ceiling, measuring horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope. Refer to BS 5839 Part 6, 5898 Part 1 and local building regulations for details on requirements for sloped or peaked ceilings.

**ABOUT SMOKE ALARMS**

**Battery (DC) powered 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. May also be interconnected, model dependent, so if one unit senses smoke, all units alarm.

**Mains (AC) powered Smoke Alarms:** Can be interconnected so if one unit senses smoke, all units alarm. They do not operate if electricity fails. **Mains (AC) with battery (DC) back-up:** will operate if electricity fails, provided the batteries are fresh and correctly installed. Mains (AC) powered and mains powered with battery back-up (AC/DC) units must be installed by a qualified electrician.

All these Smoke Alarms are designed to provide early warning of fires if located, installed and cared for as described in the user's manual, and if smoke reaches them. If you are unsure which type of Smoke Alarm to install refer to British Standard (BS) 5839 Part 6 and 5898 Part 1. BS1 389 (Current High Road London W4 4AL) UK building regulations may also require specific units in new construction or in different areas of the home.

**SPECIAL COMPLIANCE CONSIDERATIONS**

**WARNING!**

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like blocks of flats (communal escape routes), hotels, motels, hostels, inns, hospitals, long-term health care facilities, nursing homes, day care facilities, boarding houses or sheltered housing of any kind—even if they were only single-family residences. It is not a suitable substitute for complete fire detection systems in warehouses, industrial facilities, commercial buildings, and special-purpose non-residential buildings which require special fire detection and alarm systems. Depending on the building regulations in your area, this Smoke Alarm may be used to provide additional protection in these facilities.

**The following information applies to all four building types below:**

In new construction, most building regulations require the use of mains (AC) or mains powered with integral standby supply (AC/DC) Smoke Alarms only in existing construction, mains powered (AC), mains powered with integral standby supply (AC/DC) or battery (DC) powered Smoke Alarms can be used as specified by local building regulations. Refer to British Standard BS 5839 Part 6 and BS 5898 Part 1, local building regulations, or consult your Fire Brigade for detailed fire protection requirements in buildings not defined as "dwellings."

**1. Single-Family Residence:**

Single family home. It is recommended Smoke Alarms be installed in all circulation spaces (normally hallways and staircases) that form part of escape routes, on every level, in all rooms and areas that present a high fire risk and between the sleeping area(s) and the most likely sources of fire (living room and kitchen).

**2. Multi-Family or Mixed Occupant Residence:**

Blocks of flats. This Smoke Alarm is suitable for use in individual flats, provided a primary fire detection system already exists to meet fire detection requirements in common areas like foyers, hallways, corridors, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection by-laws/regulations.

**3. Institutions:**

Hospitals, day care facilities, long-term health care facilities. This Smoke Alarm may be 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 foyers, hallways, corridors, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection by-laws/regulations.

**4. Hotels and Motels:**

Also hotels, inns, boarding houses and sheltered housing. This Smoke Alarm may be suitable for use inside individual sleeping/resident rooms, provided a primary fire detection system already exists to meet fire detection requirements in common areas like foyers, hallways, corridors, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection by-laws/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 them. They are not foolproof.

**Smoke Alarms may not wake 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 wake 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 if you are 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 an electrical mains or at a power station, electrical outage, etc.). The unit should be installed 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 may not detect fires if the smoke does not reach them.** 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.

**Smoke Alarms may not detect fire on another floor or area of the home.** For example, a stand-alone unit on the second floor may not detect smoke from a ground floor 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 all circulation spaces (normally hallways and staircases) that form part of escape routes, on every level, and in all rooms and areas that present a high fire risk. Even with a unit on every floor, stand-alone units may not provide as much protection as interconnected units, especially in a remote area. Some safety experts recommend installing interconnected mains (