

## USER'S MANUAL

### SMOKE ALARM

10-YEAR SEALED BATTERY

Model SM110



#### IMPORTANT! PLEASE READ CAREFULLY AND SAVE.

The warnings/limitations card and manual contains important information about your Smoke Alarm's operation. If you are installing this Alarm for use with others, you must leave this manual—or a copy of it—with the end user.

**Para el manual del usuario en español, por favor visite [firstalert.com](http://firstalert.com)**

#### ▲ 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 activate the battery power pack.

#### ▲ CAUTION!

- Do not install this unit over an electrical junction box. Air currents around junction boxes can prevent smoke from reaching the sensing chamber and prevent the unit from Alarming. Only AC powered units are intended for installation over junction boxes.
- 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.

## 01 INTRODUCTION

Thank you for choosing First Alert® for your Smoke Alarm needs. You have purchased a state-of-the-art Smoke Alarm designed to help provide you with early warning of a smoke danger. Please take time to read this manual and make the Smoke Alarm an integral part of your family's safety plan.

#### BASIC SAFETY INFORMATION

##### IMPORTANT!

- Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations. Pay special attention to these items.
- This Smoke Alarm is approved for use in single-family residences. It is **NOT** designed for marine or RV use.

##### ▲ CAUTION!

- The Smoke Alarm will only indicate the presence of smoke that reaches the sensor.
- The Smoke Alarm is not designed to sense gas, heat or flames.

##### ▲ WARNING!

- NEVER** ignore any Alarm. See "If Your Smoke Alarm Sounds" for more information on how to respond to an Alarm. Failure to respond can result in injury or death.
- The Silence Features are for your convenience only and will not correct a problem. See "Using the Silence Features" for details. Always check your home for a potential problem after any Alarm. Failure to do so can result in injury or death.
- Test this Smoke Alarm once a week. If the Alarm ever fails to test correctly, have it replaced immediately! If the Alarm is not working properly, it cannot alert you to a problem.

## 02 ABOUT SMOKE ALARMS

#### TYPES OF ALARMS

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 Smoke Alarm to install, refer the National Fire Protection Association (NFPA) Standard 72 (National Fire Alarm and Signaling Code) and NFPA 101 (Life Safety Code), National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in different areas of the home.

**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 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 correct installed. AC and AC/DC units must be installed by a qualified electrician.

**Wireless Interconnected Alarms:** Offer the same interconnected functionality as with hardwired Alarms, without wires. Units are easy to install and do not require professional 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 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 First Alert® 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.**

Ionization 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 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.

## 03 INSTALLATION

#### WHERE TO INSTALL THIS ALARM

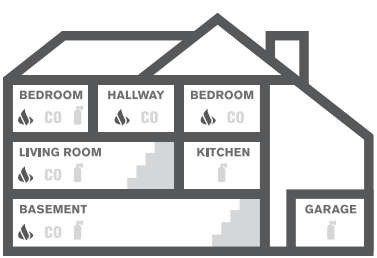
Minimum coverage for Smoke Alarms, as recommended by the National Fire Protection Association (NFPA), is one Smoke Alarm on every floor, in every sleeping area, and in every bedroom (See "Regulatory Information For Smoke Alarms" for details on the NFPA recommendations).

**NOTE:** For added protection, install an additional Smoke Alarm at least 15 feet (4.6 meters) away from the furnace or fuel burning heat source where possible, in smaller homes or in manufactured homes where this distance cannot be maintained, install the Alarm as far away as possible from the furnace or other fuel burning source. Installing the Alarm closer than 15 feet (4.6 meters) will not harm the Alarm, but may increase the frequency of unwanted Alarms.

#### IN GENERAL, 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 (12 meters) long, install a unit at each end.
- At the top of first-to-second floor stairs.
- At the bottom of the basement stairs.
- For additional coverage, install Alarms in all rooms, halls, and storage areas, where temperatures normally remain between 40° F and 100° F (4.4° C and 37.8° C).

#### RECOMMENDED PLACEMENT:



**Smoke Alarm**  
One on every level and in every bedroom

**Carbon Monoxide Alarm**  
One on every level and in every bedroom

**Fire Extinguisher**  
One on every level, plus kitchen and garage

- When installing on the wall, the top edge of Smoke Alarms should be placed between 4 inches (102 mm) and 12 inches (305 mm) from the wall/ceiling line.
- When installing on the ceiling, place the Alarm as close to the center as possible.
- In either case, install at least 4 inches (102 mm) from where the wall and ceiling meet.

**NOTE:** For any location, make sure no door or other obstruction could keep smoke from reaching the Alarm.

#### WHERE NOT TO INSTALL THIS ALARM

FOR BEST PERFORMANCE, IT IS RECOMMENDED YOU AVOID INSTALLING SMOKE ALARMS IN THESE AREAS:

- In garages, furnace rooms, crawl spaces and unfinished attics. Avoid extremely dusty, dirty or greasy 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.
- Within 5 feet (1.5 meters) of any cooking appliance. In air streams near kitchens. Air currents can draw cooking smoke into the smoke sensor and cause unwanted Alarms.
- In extremely humid areas. This Alarm should be at least 10 feet (3 meters) from a shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room, or other source of high humidity.
- In direct sunlight.
- In turbulent air, like near ceiling fans or open windows. Blowing air may prevent smoke from reaching the sensors.
- In areas where temperature is colder than 40° F (4.4° C) or hotter than 100° F (37.8° C). These areas include non-airconditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.
- In insect infested areas. Insects can clog the openings to the sensing chamber.
- Less than 12 inches (305 mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor.
- In "dead air" spaces.

#### AVOIDING DEAD AIR SPACES

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

**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.

#### HOW TO INSTALL THIS ALARM

This unit is designed to be mounted on the ceiling, or on the wall if necessary.

**Tools you will need:** pencil, drill with 3/16" (5 mm) drill bit, standard flathead screwdriver, hammer.

#### THE PARTS OF THIS SMOKE ALARM

- Smoke LED (RED)
- Power LED (GREEN)
- Test/Silence button

- Mounting Bracket
- Locking pins (break out of bracket)
- Mounting Slots
- Turn this way to remove
- Turn this way to attach

#### FOLLOW THESE SIMPLE STEPS

- Choose a location. See "Where to Install This Alarm" for reference.

**WARNING! Do not install this Alarm over an existing electrical box. Only AC powered units are intended for installation over electrical boxes.**

- Hold the bracket against the ceiling or wall and make a mark inside each hole where you will drill your mounting hole. To install on the wall, ensure that the round portions of the holes are vertical. Put the Alarm where it won't get covered with dust while you drill the holes.

- Use a 3/16" (5mm) drill bit to drill through the marks you made for the mounting holes.

- Hold the bracket against the ceiling or wall and make a mark inside each hole where you will drill your mounting hole. To install on the wall, ensure that the round portions of the holes are vertical. Put the Alarm where it won't get covered with dust while you drill the holes.

- Insert the plastic screw anchors (in the plastic bag with the screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.
- Insert the screws but do not tighten completely. Leave them about 1/8" (3mm) away from the wall.
- Position the base of the Smoke Alarm over the mounting bracket and turn. The Alarm can be positioned over the bracket every 120°. Turn the Smoke Alarm clockwise (right) until the unit is in place. Battery will activate when attached to the mounting bracket.
- Test the Smoke Alarm. See "Weekly Testing."

Action	What You Will See & Hear
<b>Normal Operations</b>	Horn: Silent; <b>Power LED:</b> Flashes Green every minute; <b>Smoke LED:</b> Off
<b>When You Test the Alarm</b>	Horn: 3 beeps, pause, 3 beeps; <b>Power LED:</b> Off; <b>Smoke LED:</b> Flashes Red in sync with horn.
<b>If Battery Becomes Low</b>	Horn: Chirps 5 times every minute; <b>Power LED:</b> Flashes Green 1 time every minute; <b>Smoke LED:</b> Off
<b>If Alarm is Not Operating Properly (MALFUNCTION SIGNAL)</b>	Horn: 3 chirps every minute; <b>Power LED:</b> 3 Green Flashes approximately once a minute; <b>Smoke LED:</b> Off
<b>Alarm has reached its End of Life</b>	Horn: 5 chirps every minute; <b>Power LED:</b> 5 Green Flashes approximately once a minute; <b>Smoke LED:</b> Off
<b>Smoke is Detected</b>	Horn: 3 beeps, pause, repeating; <b>Power LED:</b> Off; <b>Smoke LED:</b> Flashes Red in sync with the horn pattern.
<b>Smoke Alarm is Silenced</b>	Horn: Off (for up to 15 minutes); <b>Power LED:</b> Off; <b>Smoke LED:</b> Flashes Red

## 04 ALARM FEATURES

- Easy Installation:** Add protection in minutes
- No Battery Replacements:** Or low battery chirps for the life of the Alarm.
- End of Life Warning:** Lets you know when it's time to replace.

#### OPTIONAL LOCKING FEATURE

The optional locking feature is designed to prevent unauthorized removal of the Alarm. It is not necessary to activate the lock in single-family households where unauthorized Alarm removal is not a concern.

**Tools you will need:** Needle-nose pliers or utility knife, standard flathead screwdriver

The feature uses a locking pin which is molded into the mounting bracket. Remove locking pin by using needle-nose pliers or a utility knife.

##### IMPORTANT!

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

#### TO LOCK THE MOUNTING BRACKET

- Using needle-nose pliers, detach one locking pin from mounting bracket.
- Insert the locking pin into the lock.
- When you attach the Alarm to the mounting bracket, the locking pin's head will fit into a notch on the bracket.

#### TO UNLOCK THE MOUNTING BRACKET

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

#### TO PERMANENTLY DEACTIVATE THE SMOKE ALARM

##### ▲ WARNING!

**Alarm is sealed. The powercell is not replaceable. Once it reaches the end of its service life, or after 10 years—whichever comes first—you must install a new Smoke Alarm.**

**After 10 years or after the "low power warning" sounds (whichever comes first):**

- Once you deactivate this unit, it will not detect smoke or alarm. It cannot be reactivated. You must install a new unit to continue your protection. Alarm will resist mounting to the bracket after deactivation.
- Use a flathead screwdriver to score label along dotted line.
- Use thumb to pull deactivation tab outward until tab snaps into place. This will deactivate the powercell and deactivate the unit.
- Install a new Smoke Alarm immediately!

## 05 TESTING & MAINTENANCE

#### 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 your home.
- 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.

**▲ CAUTION!** 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.

- Push and release the Test/Silence button on the cover until you hear a "chirp." The "chirp" marks the start of the self-test sequence.
- During testing, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause, while the horn LED flashes.

If the Smoke Alarm does not test properly:

- Make sure the battery is installed correctly.
- Be sure the Alarm is clean and dust-free.
- Test the unit again.

If the Smoke Alarm is still not working properly, replace it immediately. Refer to the "Limited Warranty" at the end of this manual.

**▲ WARNING!** If there is still a problem, do not try to fix the Alarm yourself. This will void your warranty!

#### REGULAR MAINTENANCE

This unit has been designed to be as maintenance-free as possible, but there are a few simple things you must do to keep it working properly:

- Test it at least once a week.
- Clean the Smoke Alarm at least once a month; gently vacuum the outside of the Smoke Alarm using your household vacuum's soft brush attachment. Test the Smoke Alarm. Never use water, cleaners or solvents since they may damage the unit.
- If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid unwanted Alarms, replace the unit immediately.
- If the green power LED flashes 2 times every minute (horn is silent) it means that the Alarm needs to be cleaned as indicated above. If green light continues to flash, replace Alarm.
- Relocate the unit if it sounds frequent unwanted Alarms. See "Where This Alarm Should Not Be Installed" for details.
- Protect or cover the Alarm when doing any maintenance to home i.e. sanding floors, painting, drywall patching, etc. to prevent contamination.

##### ▲ WARNING!

**DO NOT** spray cleaning chemicals or insect sprays directly on or near the Alarm. **DO NOT** paint over the Alarm. Doing so may permanently damage the Alarm.

#### TROUBLESHOOTING GUIDE

IF THE ALARM...	PROBLEM...	YOU SHOULD...
Green Power LED is OFF. Unit will not Alarm when you press the Test/Silence button.	Battery may be dead or missing.	Replace Alarm.
Horn "chirps" 5 times and Green Power LED flashes 1 time every minute.	Low Battery Signal. Alarm needs to be replaced.	Replace Alarm.
Horn "chirps" and Green Power LED flashes 3 times every minute	<b>MALFUNCTION SIGNAL.</b> Device is not working properly and needs to be replaced.	If unit is under warranty, contact Consumer Support to process a warranty replacement.
Horn "chirps" 5 times and Green Power LED flashes 5 times every minute	<b>END OF LIFE SIGNAL.</b> Alarm needs to be replaced.	Immediately replace the Alarm.
Alarm goes back into Alarm after you pressed the Test/Silence button to silence an Alarm.	Smoke levels are still potentially dangerous.	Refer to "If Your Smoke Alarm Sounds" for details on how to respond to an Alarm. If anyone is feeling ill, <b>EVACUATE</b> your home immediately and call 911.
Power LED flashes Green 2 times every minute.	Alarm requires cleaning.	Clean Alarm then press and release the test button. See Regular Maintenance section. If Green LED Continues to flash, contact Consumer Support.
Smoke Alarm sounds when no smoke is visible.	Unwanted Alarm may be caused by nonemergency source like cooking smoke.	Relocate your Alarm. If frequent Alarms continue, have home rechecked for potential problems. Alarm may be too close to a kitchen, cooking appliance or steamy bathroom.
If you have questions that cannot be answered by reading this manual, call the Consumer Support Team at 1-800-323-9005.		

#### 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 electrical circuits; 5) Keep stoves, barbecue grills, fireplaces and chimneys grease- and debris-free; 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 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 level, and an additional one in the kitchen. Have fire escape ladders or other reliable means of escape from an upper level in case stairs are blocked; 9) Fire Escape plan and practice it regularly.

## 06 IF YOUR SMOKE ALARM SOUNDS

#### RESPONDING TO AN ALARM

During an Alarm, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. Red LED flashes rapidly

##### ▲ 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 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.

##### ▲ WARNING!

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

## 07 USING THE SILENCE FEATURES

##### ▲ 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 the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously, it should be replaced immediately.

**Never remove the batteries to quiet an unwanted Alarm. Removing the batteries disables the Alarm and removes your protection.**

- The Silence Feature is intended to temporarily silence the horn while you identify and correct the problem. Do not use the Silence Feature in emergency situations. It will not extinguish a fire.
- The Silence Feature can temporarily quiet an unwanted Alarm for several minutes. You can silence this Smoke Alarm by pressing the Test/Silence button on the Alarm cover.

**Activate the Alarm test, reset or silence function by use of a finger or thumb. Use of any other instrument is strictly prohibited.**

#### SILENCING THE END OF LIFE SIGNAL

The Silence Feature can temporarily quiet the End of Life warning "chirp" for up to 2 days. You can silence the End of Life warning "chirp" by pressing the Test/Silence button. The horn will chirp, acknowledging that the End of Life Silence Feature has been activated.

After approximately 2 days, the End of Life "chirp" will resume. The timer shall not be able to be reset after 14 days following the initial end-of-life signal.

## 08 REGULATORY INFORMATION FOR SMOKE ALARMS

#### RECOMMENDED LOCATIONS FOR SMOKE ALARMS

##### INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES

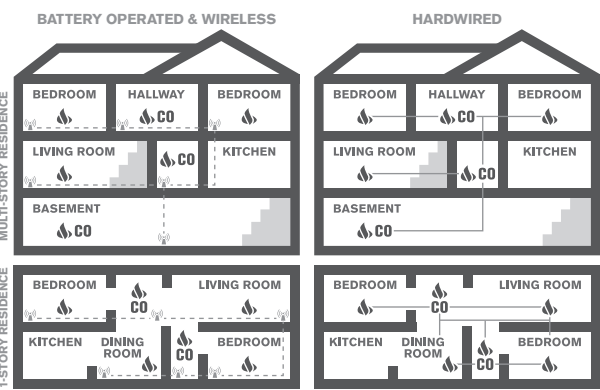
The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every floor, in every sleeping area, and in every bedroom. In new construction, the Smoke Alarms must be AC powered and interconnected. See "Agency Placement Recommendations" for details. For additional coverage, it is recommended that you install a Smoke Alarm in all rooms, halls, storage areas, finished attics, and basements, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms.

##### MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

- On every level of your home, including finished attics and basements.
- Inside every bedroom, especially if people sleep with doors closed.
- In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. If a hall is over 40 feet (12 meters) long, install an Alarm at each end.
- At the top of the first-to-second level stairs, and at bottom of 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.**



- Smoke Alarms
- CO Alarms
- Both Or Combination Smoke/CO Alarms
- Wireless Alarms
- Wireless Interconnected Alarms
- Hardwired Interconnected Smoke/CO Alarms or AC/DC Alarms

## 09 AGENCY PLACEMENT RECOMMENDATIONS

Standards: Undersiverters Laboratories Inc. Single and Multiple Station Smoke Alarms 217.

**NFPA 72 CHAPTER 29 "FOR YOUR INFORMATION, THE NATIONAL FIRE ALARM AND SIGNALING CODE, NFPA 72, READS AS FOLLOWS:"**

29.5.1\* Required Detection.

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 follows:

- "In all sleeping rooms and guest rooms
- "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
- On every level of a dwelling unit, including basements
- On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics</