

**NATIONAL FIRE PROTECTION ASSOCIATION REQUIRED PROTECTION**

For your information, the National Fire Protection Association's Standard 72, reads as follows:

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

"A.11.8.3 Are More Smoke Detectors Desirable? The required number of smoke detectors might not provide reliable early warning protection for those areas separated by a door from the areas protected by the required smoke detectors. For this reason, it is recommended that the householder consider the use of additional smoke detectors for those areas for increased protection. The additional areas include the basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required smoke detectors. The installation of smoke detectors in kitchens, attics (finished or unfinished), or garages is not normally recommended, as these locations occasionally experience conditions that can result in improper operation."

The equipment should be installed using wiring methods in accordance with the National Fire Protection Association's Standard 72, Chapter 11. (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269).

**THIS PRODUCT IS cUL LISTED TO UL STANDARD FOR SAFETY, UL217 6<sup>TH</sup>, BY UNDERWRITERS LABORATORIES**

**UNIVERSAL FIVE YEAR LIMITED WARRANTY**

**Universal Security Instruments, Inc. ("Universal") warrants your Universal product to be free from defects in material and workmanship for a period of five (5) years from the date of purchase.** This warranty applies only to the original consumer purchaser and only to products used in normal residential use and service. If this product is found to be defective, Universal's only obligation, and your exclusive remedy, is the repair or replacement of the product, at Universal's discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alteration, neglect or mishandling. This Warranty shall not apply to any product which is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product. This warranty shall not apply to any batteries used in the product or to any damage which may be caused by such batteries. For repair or replacement, send the defective product to Universal Security Instruments, Inc. at 7-A Gwynns Mills Court, Owings Mills, Maryland 21117, postage prepaid with a payment of \$5.00 to cover the costs of return postage and handling. You must include a proof of purchase (receipt) along with the returned product.

**UNIVERSAL DOES NOT WARRANT AND SPECIFICALLY DISCLAIMS ANY WARRANTY, WHETHER EXPRESS OR IMPLIED, OF FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THE WARRANTY CONTAINED HEREIN. NO IMPLIED WARRANTY ON THIS PRODUCT, CREATED BY STATE LAW, SHALL EXTEND BEYOND THE TERM OF THIS WARRANTY UNLESS SUCH LAW OTHERWISE PROVIDES. UNIVERSAL SPECIFICALLY DISCLAIMS ANY LIABILITY AND SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE, INCLUDING, BUT NOT LIMITED TO, DAMAGES TO ANY EQUIPMENT WITH WHICH THIS PRODUCT IS USED.**

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or terms of this Warranty.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Warranty is only valid for merchandise purchased from outlets in the United States and Canada.

Visit Us on the Web! [www.smokealarms.com](http://www.smokealarms.com)



©2008, Universal Security Instruments, Inc. Printed in China



**MODEL SS-775-CAN/SS-776-CAN  
SS-775-LR-CAN/SS-776-LR-CAN  
SMOKE & FIRE ALARM  
with Silence Control**

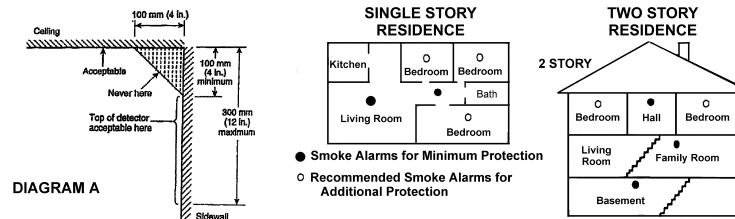


**READ ALL INSTRUCTIONS**

**The smoke alarm has a recommended service life of at least 10 years under normal conditions. The smoke alarm uses an extremely small amount of a radioactive element in the ionization chamber. Do not tamper with radioactive sealed source or try to repair the smoke alarm yourself. Refer to instructions for repairs.**

**RECOMMENDED LOCATION OF ALARMS**

- Locate the first smoke alarm in the immediate area of the bedrooms. Try to protect the exit path as the bedrooms are usually farthest from an exit. If more than one sleeping area exists, locate additional smoke alarms in each sleeping area.
- Locate additional smoke alarms to protect any stairway as stairways act like chimneys for smoke and heat.
- Locate at least one smoke alarm on every floor level.
- Locate a smoke alarm in any area where a smoker sleeps or where electrical appliances are operated in sleeping areas.
- Smoke, heat and other combustion products rise to the ceiling and spread horizontally. Mounting the smoke alarm on the ceiling in the center of the room places it closest to all points in the room. Ceiling mounting is preferred in ordinary residential construction. However, in mobile homes, wall mounting on an inside partition is preferred to avoid the thermal barrier that may form at the ceiling.
- When mounting smoke alarm on the ceiling, locate it a minimum of 4" (10cm) from a side wall and 2 feet (.61 meters) from any inside corner (see Diagram A).
- When mounting smoke alarm on a wall, use an inside wall with the top edge of the smoke alarm a minimum of 4" (10cm) and a maximum of 12" (30.5cm) below the ceiling and at least 2 feet (.61 meters) from any corner (See Diagram A).



**AVOID THESE LOCATIONS**

- the garage - products of combustion are present when you start your automobile.
- in front of forced air ducts used for heating and air conditioning.
- in the peak of an "A" frame type of ceiling.
- in areas where temperatures may fall below 40°F (4.4°C) or rise above 100°F (37.8°C).
- CURRENT STUDIES HAVE SHOWN SMOKE ALARMS MAY NOT AWAKEN ALL SLEEPING INDIVIDUALS AND THAT IT IS THE RESPONSIBILITY OF INDIVIDUALS IN THE HOUSEHOLD WHO ARE CAPABLE OF ASSISTING OTHERS TO PROVIDE ASSISTANCE TO THOSE WHO MAY NOT BE AWAKENED BY THE ALARM SOUND OR TO THOSE WHO MAY BE INCAPABLE OF SAFELY EVACUATING THE AREA UNASSISTED.

**THIS SMOKE ALARM WILL NOT WORK WITHOUT A GOOD BATTERY PROPERLY INSTALLED. THE SMOKE ALARM SHOULD BE TESTED WHEN INSTALLED AND THEN TESTED WEEKLY AFTER THAT.**

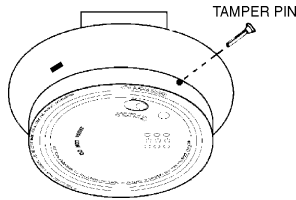
**FALSE ALARMS**

The smoke alarm is designed to minimize false alarms. Smoking will not normally set off the alarm unless smoke is blown directly into the smoke alarm. Combustion particles from cooking may set off the alarm if the smoke alarm is located close to the kitchen cooking surface. Large quantities of combustion particles are generated from spills or broiling.

If the smoke alarm does sound, check for fires first. If a fire is discovered, get out and call the fire department. If no fire is present, check to see if one of the reasons listed above may have caused the alarm.

**TAMPER LOCKING PIN (SS-775-LR-CAN/SS-776-LR-CAN only):** To make your smoke alarm somewhat tamper resistant, a locking pin has been provided. Using this pin will deter children and others from removing the alarm from the mounting ring. To use the pin, insert it into the hole in the side of the alarm after it has been installed on the mounting ring. Note that the tamper pin will have to be removed in order to change the battery, which can be done easily with a pair of long nose pliers. Using the long nose pliers, pull the pin out of the hole. It is now possible to remove the smoke alarm from the mounting ring.

1. Turn the smoke alarm counterclockwise to remove it from the mounting ring. NOTE: The smoke alarm is sealed and the cover is not removable. Your smoke alarm is also equipped with a safety device which prevents mounting unless a battery is installed. If your smoke alarm will not lock onto the mounting ring, check to make sure a battery is installed.



**CAUTION: Early warning fire 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 of, but outside of, the bedrooms) and heat or smoke alarms in living rooms, dining rooms, kitchens, hallways, attics, furnace rooms, closets, utility storage rooms, basements and attached garages. Test the smoke alarm weekly to assure proper operation.**

2. Attach the mounting ring.
3. Install a 9 Volt battery by connecting it to the battery clip. See "BATTERY REPLACEMENT."
4. Push and turn the smoke alarm clockwise onto the mounting ring.
5. See "TAMPER LOCKING PIN."

#### OPERATION, TESTING & MAINTENANCE

**OPERATION:** The smoke alarm is operating once the power is connected (the battery must be installed). When products of combustion are sensed, the unit sounds a loud alarm which continues until the air is cleared

**STANDBY CONDITION:** The red LED flashes once every 40-60 seconds to indicate the unit is properly functioning (SS-776-CAN/SS-776-LR-CAN only).

**LOCAL ALARM CONDITION:** The red LED flashes rapidly and the unit emits a loud, pulsating alarm sound.

**TESTING:** Test by pushing the test button on the smoke alarm cover until the alarm sounds, then release. The alarm sounds if all electronic circuitry, horn and battery are working. If no alarm sounds, the unit may have a defective battery or other failure. You can also test the alarm by blowing smoke into the unit.

**MAINTENANCE:** The smoke alarm is virtually maintenance free. However, under dusty conditions, a vacuum hose may be used to clear the sensing chamber of dust.

**FALSE ALARMS "SILENCE" CONTROL:** Units with the "silence" feature have the capability of temporarily reducing the sensitivity of the alarm circuit for approximately 8 minutes. This feature is to be used only when a known alarm condition such as smoke from cooking activates the smoke alarm. The smoke alarm is deactivated by pushing the test button on the smoke alarm cover for at least three seconds. The smoke alarm will automatically reduce sensitivity and "beep" every 30-40 seconds for approximately 8 minutes to indicate the alarm is in the temporary silent condition. The smoke alarm will gradually reactivate during the 8 minutes and sound the alarm if particles of combustion are still present. The "silence" feature may be used repeatedly until the air has cleared.

**CAUTION: Before using the alarm "silence" feature, identify the source of smoke and be certain that safe conditions exist.**

#### BATTERY REPLACEMENT

The smoke alarm uses a 9 Volt carbon-zinc battery. The battery should last for at least one year under normal operating conditions. The smoke alarm has a low battery indicator, an audible "beep." It will operate at 30-40 second intervals for a minimum of 7 days. When this indication occurs, replace the battery with an Alkaline type (Eveready Energizer #522, Duracell #MN1604), Carbon-Zinc type (Gold Peak #1604P, Eveready #216) from your local retailer.

#### REPAIRS AND SERVICES

The smoke alarm uses a very small amount of radioactive element which is safely contained within the chamber assembly. If the smoke alarm is defective in any way, do not tamper with the unit. Return the unit for servicing. There will be a service charge for repairing out of warranty units.

#### GOOD SAFETY HABITS

There are situations where a smoke alarm may not be effective in protecting against fire as stated in the NFPA 72 standard. For instance:

1. smoking in bed;
2. leaving children home alone; and
3. cleaning with flammable liquids, such as gasoline.

#### DEVELOP AND PRACTICE A PLAN OF ESCAPE

##### BASICS OF ESCAPE PLAN

- o Make a floor plan indicating all doors and windows and at least two escape routes from each room. Second story windows may need a rope or chain ladder.
- o Have a family meeting and discuss your escape plan, showing everyone what to do in case of fire.
- o Determine a place outside your home where all of you can meet if a fire occurs.
- o Familiarize everyone with the sound of the smoke alarm and train them to leave your home when they hear the sound.
- o Identify children's bedrooms with red stickers placed in the upper left corner of the windows. They are available from your local fire department.
- o Practice a fire drill at least every six months. Practice allows you to test your plan before an emergency. You may not be able to reach your children. It is important they know what to do!

##### WHAT TO DO WHEN THE ALARM SOUNDS

- o Leave immediately by your plan of escape. Every second counts, so don't waste time getting dressed or picking up valuables.
- o In leaving, don't open any inside door without first feeling its surface. If hot, or if you see smoke seeping through cracks, **don't open that door!** Instead, use your alternate exit. If inside door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
- o Stay close to the floor if air is smoky. Breathe shallowly through a cloth, wet if possible.
- o Once outside, go to your selected meeting place and make sure everyone is there.
- o Call the fire department from your neighbor's home – **not from yours!**
- o Don't return to your home until fire officials say that it is all right to do so.