



**INNOVATE**  
SECURITY FOR LIFE

## **Mounting of Equipment Manufacturers Smoke/Heat Detectors**

**ALL INNOVATE SUPPLIED MAGNETIC MOUNTS FOR SMOKE DETECTORS ARE DESIGNED FOR WALL MOUNT APPLICATION**

When installing your smoke detectors please follow our included instructions and the NFPA guidelines provided.

### **Wall Mount Application**

#### **Innovate's Magnetic Wall Mount Placement Instruction for Smoke Detectors**

**All equipment manufacturers' smoke detectors installed using Innovate's Easy-Install Magnetic mounting equipment should be installed on walls not more than 12 inches away from the ceiling (to the top of the alarm device) per NFPA72 guidelines.**

According to the National Fire Protection Association (NFPA), the major threat from a fire in a dwelling unit occurs at night when everyone is asleep. The principal threat to persons in sleeping areas comes from fires in the remainder of the house; therefore smoke alarms are best located between the bedroom areas and the rest of the house.

#### **Where NOT to install the Alarm**

- Directly above a sink, cooker, stove, or oven
- Do not locate alarm within 5 feet (1.5 m) of any cooking appliance
- Next to a door or window that would be affected by drafts (extractor fan or air vent)
- Outside
- In or below a cupboard
- Where airflow would be obstructed by curtains or furniture
- Where dirt or dust could collect and block the sensor
- Where it could be knocked, damaged, or inadvertently removed

**Do NOT INSTALL this alarm in a location where the normal ambient temperature is below 40 F (4.4 C) or where it exceeds 100 F (37.8 C)**

**INSTALL this equipment in accordance with the National Fire Protection Association (NFPA) 72**

Additional Information for NFPA guidelines on smoke detector installation and placement and testing.

## **Installing and maintaining smoke alarms**

**Installing your smoke alarms correctly - and making sure they are in working order - is an important step to making your home and family safer from fire.**

It's important to have enough smoke alarms in your home. Fire research has demonstrated that with today's modern furnishings, fires can spread much more rapidly than in the past when more natural materials were used. Because of this, having a sufficient number of properly located smoke alarms is essential to maximize the amount of available escape time. For many years [NFPA 72, National Fire Alarm and Signaling Code](#) has required as a minimum that smoke alarms be installed inside every sleeping room (even for existing homes) in addition to requiring them outside each sleeping area and on every level of the home. (Additional smoke alarms are required for larger homes.) Homes built to earlier standards often don't meet these minimum requirements. Homeowners and enforcement authorities should recognize that detection needs have changed over the years and take proactive steps to make sure that every home has a sufficient complement of smoke alarms.

### **Installing smoke alarms**

- Choose smoke alarms that have the label of a recognized testing laboratory.
- Install smoke alarms inside each bedroom, outside each sleeping area, and on every level of the home, including the basement.
- On levels without bedrooms, install alarms in the living room (or den or family room) or near the stairway to the upper level, or in both locations.
- Smoke alarms installed in the basement should be installed on the ceiling at the bottom of the stairs leading to the next level.
- Smoke alarms should be installed at least 10 feet (3 meters) from a cooking appliance to minimize false alarms when cooking.
- Mount smoke alarms high on walls or ceilings (remember, smoke rises). **Wall-mounted alarms should be installed not more than 12 inches away from the ceiling (to the top of the alarm).**
- **If you have ceilings that are pitched, install the alarm within 3 feet of the peak but not within the apex of the peak (four inches down from the peak). Please see the diagram below.**

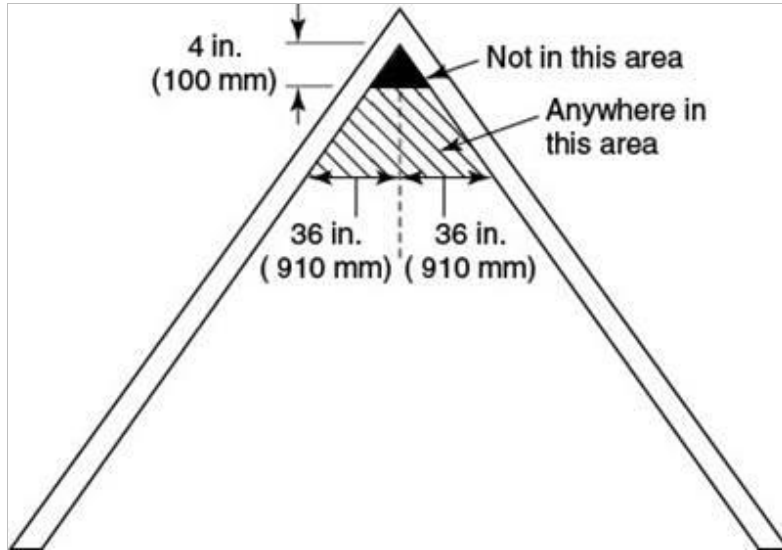


Figure A.29.8.3.1 from *NFPA 72, National Fire Alarm and Signaling Code (2013 edition)*.

- Don't install smoke alarms near windows, doors, or ducts where drafts might interfere with their operation.
- Never paint smoke alarms. Paint, stickers, or other decorations could keep the alarms from working.
- For the best protection, [interconnect all smoke alarms](#). When one smoke alarm sounds they all sound. Interconnection can be done using hard-wiring or wireless technology.
- When interconnected smoke alarms are installed, it is important that all of the alarms are from the same manufacturer. If the alarms are not compatible, they may not sound.
- There are two types of smoke alarms – ionization and photoelectric. An ionization smoke alarm is generally more responsive to flaming fires, and a photoelectric smoke alarm is generally more responsive to smoldering fires. For the best protection, both types of alarms or combination ionization-photoelectric alarms, also known as dual sensor smoke alarms, are recommended.
- Keep the manufacturer's instructions for reference.

## Testing smoke alarms

- Smoke alarms should be maintained according to the manufacturer's instructions.
- Test smoke alarms at least once a month using the test button.
- Make sure everyone in the home understands the sound of the smoke alarm and knows how to respond.
- Follow the manufacturer's instructions for cleaning to keep smoke alarms working well. The instructions are included in the package or can be found on the internet.
- Smoke alarms with non-replaceable 10-year batteries are designed to remain effective for up to 10 years. If the alarm chirps, warning that the battery is low, replace the entire smoke alarm right away.
- Smoke alarms with any other type of battery need a new battery at least once a year. If that alarm chirps, warning the battery is low, replace the battery right away.
- When replacing a battery, follow the manufacturer's list of batteries on the back of the alarm or manufacturer's instructions. The manufacturer's instructions are specific to the batteries (brand and model) that must be used. The smoke alarm may not work properly if a different kind of battery is used.