

Kidde

Kidde Smoke Detector i9050 Instruction Manual

Model: i9050 - 9-Volt Battery Operated, Ionization Smoke Alarm

PRODUCT OVERVIEW

The Kidde Smoke Detector, model i9050, is designed to provide early warning of fire by detecting smoke. This ionization smoke alarm is battery-operated, ensuring continuous protection even during power outages. It is equipped with an 85-decibel alarm and visual indicators for power and smoke detection.

- **Basic Ionization Smoke Alarm:** Detects invisible fire particles associated with flaming fires.
- **Battery Powered:** Operates on a 9V battery (included), providing protection during power failures.
- **Easy Installation:** No wiring required for setup.
- **LED Indicators:** A solid green LED indicates power, and a red LED indicates smoke or fire detection.
- **Test-Hush Button:** Allows for testing the alarm and temporarily silencing nuisance alarms.
- **Low Battery Warning:** The unit will chirp when the battery needs replacement.
- **Certifications:** UL Listed.



Front view of the Kidde Smoke Detector i9050, showing the test/hush button and alarm grille.

SETUP AND INSTALLATION

1. Choosing a Location

For optimal safety, install smoke detectors on every level of your home, inside each bedroom, and in the hallway outside of sleeping areas. Avoid placing detectors in kitchens, bathrooms, or garages where cooking fumes, steam, or vehicle exhaust could cause nuisance alarms.



Home Safety Product Placement Guide

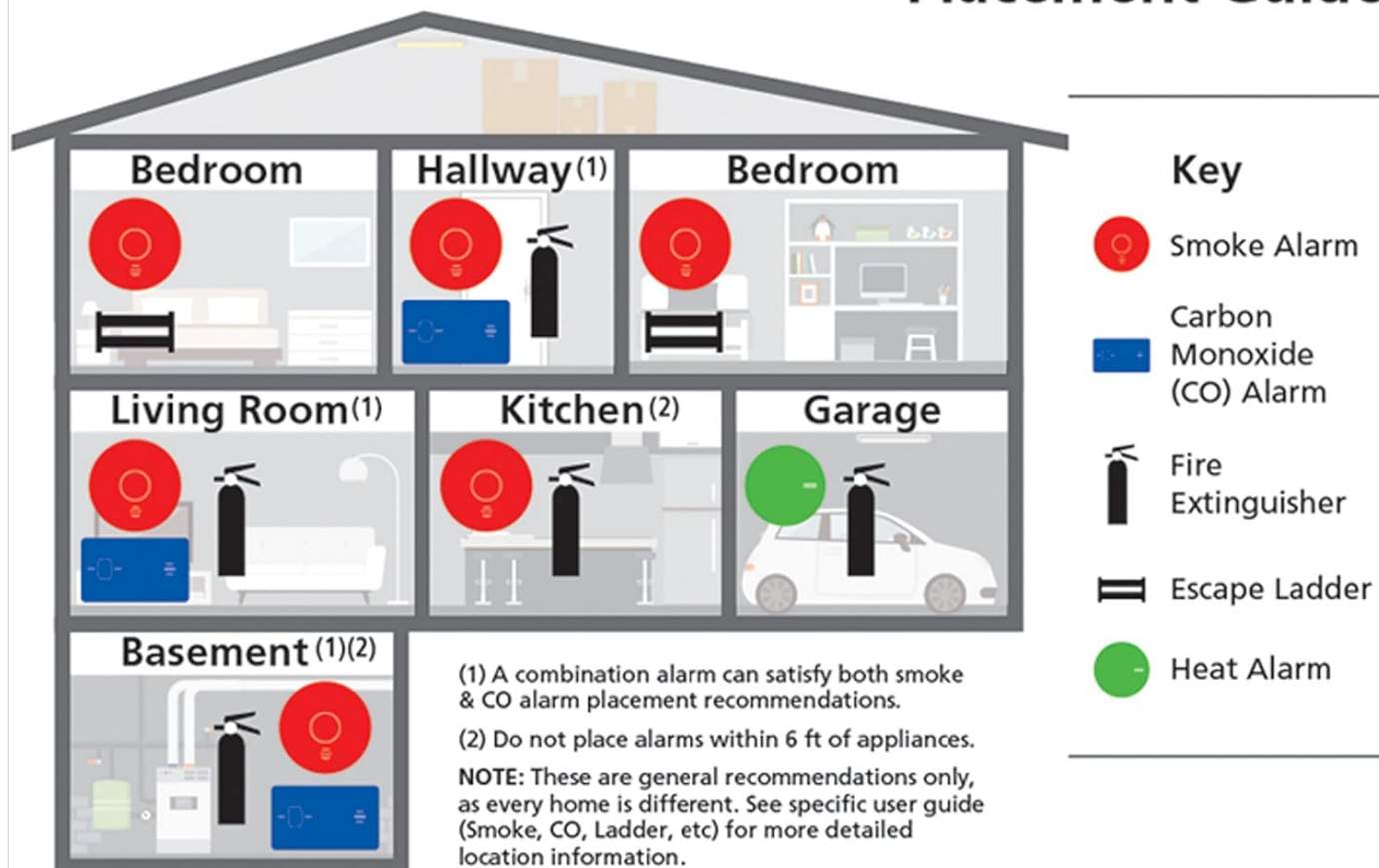


Diagram illustrating recommended placement of smoke alarms, carbon monoxide alarms, fire extinguishers, and escape ladders within a typical home layout. Smoke alarms are recommended in bedrooms, hallways, living rooms, and basements.

2. Battery Installation

The Kidde i9050 smoke detector operates on a single 9-volt battery, which is included. Ensure the battery is properly inserted before mounting the unit.

1. Twist the alarm counter-clockwise from the mounting bracket to remove it.
2. Open the battery compartment door located on the back of the alarm.
3. Connect the 9-volt battery to the battery clip, ensuring correct polarity (+ to + and - to -).
4. Place the battery into the compartment and close the door securely.
5. The alarm may chirp briefly upon battery insertion, indicating it is receiving power.



Battery operated
9V Battery included

Image showing the Kidde smoke detector with its battery compartment open, revealing the 9V battery and connection points. This highlights the battery-operated nature of the device.

3. Mounting the Alarm

The alarm comes with a mounting bracket for easy installation on a wall or ceiling. No complex wiring is required.

1. Select a suitable mounting location, ensuring it is away from air vents, windows, or doors that could interfere with smoke detection.
2. Hold the mounting bracket against the wall or ceiling at your chosen location and mark the two mounting holes.
3. Drill two holes at the marked spots. Insert the plastic anchor plugs (if needed for drywall) into the drilled holes.
4. Attach the mounting bracket using the provided screws.
5. Align the alarm with the mounting bracket and twist it clockwise until it locks securely into place.



**Easy to Install
in just minutes**



A woman is shown easily installing the Kidde smoke detector on a ceiling, demonstrating the simple, tool-free attachment process after the mounting bracket is in place.

Your browser does not support the video tag.

Video demonstrating the installation process of the Kidde Battery Operated Smoke Detector Alarm, highlighting its ease of setup.

OPERATING INSTRUCTIONS

Normal Operation

Once installed with a fresh battery, the smoke detector is continuously monitoring for smoke. A solid green LED light indicates that the alarm is receiving power and functioning correctly.



The Kidde smoke detector with its green LED illuminated, indicating that the unit is powered and operating normally.

Alarm Condition

If smoke or fire is detected, the alarm will sound a loud 85-decibel horn, and a red LED light will flash rapidly. This indicates an emergency and requires immediate attention.

Test/Hush Button

The large button on the front of the alarm serves two functions:

- **Testing:** Press and hold the button to test the alarm's electronic circuitry, horn, and battery functions. The alarm should sound loudly. Release the button to stop the test. This should be done weekly.
- **Hushing Nuisance Alarms:** If the alarm sounds due to cooking fumes or shower steam, press the button to temporarily silence the alarm for approximately 10 minutes. The red LED will flash every 10 seconds during the hush period. The alarm will automatically reset after this period if the smoke condition has cleared.



Over 100 years of innovation



5"

— 1.75" —

Test button

Verifies battery and alarm operation

Image showing the Kidde smoke detector with its dimensions (5" diameter, 1.75" depth) and the prominent test button, emphasizing its function to verify battery and alarm operation.

MAINTENANCE

Weekly Testing

It is crucial to test your smoke alarm weekly to ensure it is functioning correctly. Press and hold the Test/Hush button until the alarm sounds. If the alarm does not sound, replace the battery immediately or consult the troubleshooting section.

Battery Replacement

The smoke detector will emit a short chirp approximately once every minute when the 9-volt battery is low and needs to be replaced. Replace the battery immediately upon hearing this chirp.

1. Twist the alarm counter-clockwise from the mounting bracket to remove it.
2. Open the battery compartment door.
3. Disconnect the old 9-volt battery from the clip and dispose of it properly.

4. Connect a new 9-volt battery (e.g., Eveready or Duracell recommended) to the battery clip, ensuring correct polarity.
5. Place the new battery into the compartment and close the door securely.
6. Re-attach the alarm to the mounting bracket by twisting it clockwise until it locks.
7. Test the alarm using the Test/Hush button to confirm proper operation.



The back of the Kidde smoke detector, showing the battery compartment and instructions to refer to the owner's manual for complete operating instructions. It also indicates the model number and UL listing.

Cleaning Your Smoke Alarm

Dust and debris can accumulate on the smoke alarm and affect its performance. It is recommended to clean your smoke alarm at least once a month.

- Remove the alarm from its mounting bracket.
- Use a soft brush attachment on your vacuum cleaner to gently vacuum around the alarm's vents and openings.
- Do not paint the alarm, as paint can clog the sensing chambers and prevent proper operation.
- Re-attach the alarm to the mounting bracket after cleaning.

Troubleshooting

Problem	Possible Cause	Solution
Alarm chirps once every minute.	Low battery.	Replace the 9-volt battery immediately. Ensure to use a fresh, high-quality battery.
Alarm sounds frequently without visible smoke.	Nuisance alarm due to cooking fumes, steam, or dust.	Press the Test/Hush button to silence the alarm for 10 minutes. Ventilate the area. Clean the alarm regularly to remove dust. Relocate the alarm if it's consistently affected by normal household activities.
Alarm does not sound during test.	Dead or improperly installed battery; unit malfunction.	Check battery connection and replace if necessary. If the problem persists, the unit may need replacement.
Green LED is off.	No power to the unit.	Check battery installation. Ensure the battery is fresh and correctly connected.

For more detailed troubleshooting, please refer to the official [Troubleshooting Guide \(PDF\)](#).

Specifications

- **Model Number:** i9050
- **Power Source:** 9-Volt Battery (included)
- **Sensor Type:** Ionization
- **Alarm Loudness:** 85 decibels at 10 feet
- **Product Dimensions:** 1.75"D x 5"W x 5"H
- **Item Weight:** 6.4 ounces
- **Color:** White
- **Operating Humidity:** Up to 85% relative humidity, non-condensing
- **Upper Temperature Rating:** 38 Degrees Celsius
- **Manufacturer:** Kidde Safety
- **Certifications:** UL Listed

Warranty and Support

Limited Warranty

The Kidde Smoke Detector i9050 comes with a 10-year limited manufacturer's warranty. This warranty period begins when the alarm is powered on. If the power-on date is unknown, it should be assumed that the alarm needs to be replaced after 10 years from the manufacturing date.

Further Assistance

For comprehensive operating instructions, detailed safety information, or any further assistance, please refer to the official user guides:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)

You can also visit the [Kidde Store on Amazon](#) for more product information and resources.