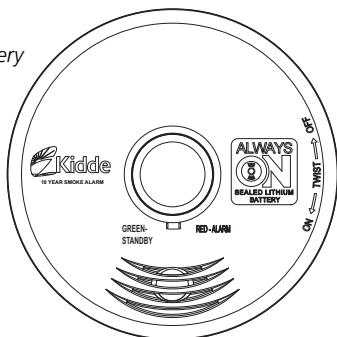




User Guide for Model i12010S

Ionization Smoke Alarm

- 120V AC
- Sealed 3V Lithium Battery Backup
- 2-LED Display
- Test/Hush® button



SIGNALING



For questions concerning your Smoke Alarm, please call our Product Support Line at 1-800-880-6788.

For your convenience, write down the following information. If you call our Product Support Line, these are the first questions you will be asked:

Alarm Model Number
(located on back of the alarm):

Date of Manufacture
(located on back of the alarm):

Date of Purchase:

Where Purchased:

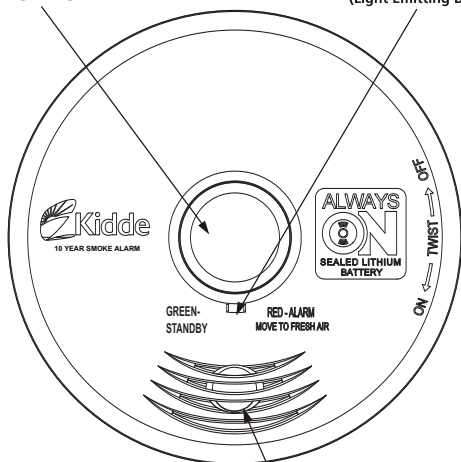
READ AND SAVE THIS USER GUIDE

Product View

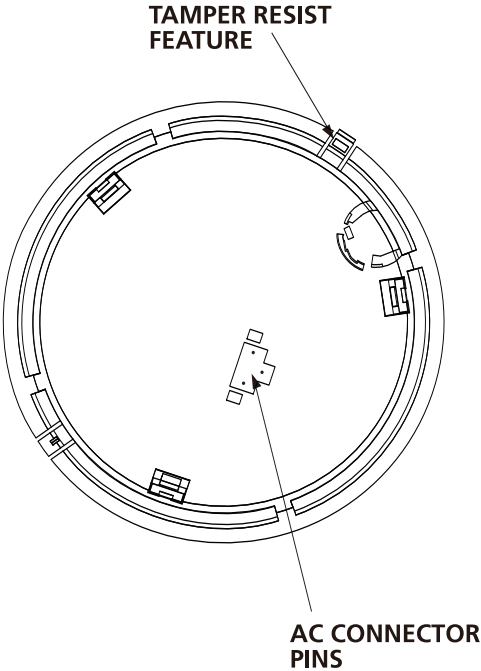
FRONT

TEST RESET/
HUSH BUTTON

RED AND GREEN LED
(Light Emitting Diode)



ALARM SOUNDER



Features

- Loud 85 decibel alarm.
- Ionization smoke sensor.
- Powered by 120V AC (60 Hz, 45mA max) wire-in connector .
- Interconnectable to other Kidde/Nighthawk brand smoke and CO alarms (see page 15 for details).

SMOKE ALARM: The alarm pattern is three long alarm beeps, which will repeat until the smoke is eliminated. The red LED light will flash with the alarm beeps..

LOW BATTERY: If the battery is low, the red LED light will flash and the unit will "chirp" every 60 seconds, for a minimum of seven (7) days. This alarm contains a sealed 3V Lithium battery, which will last the life of the alarm. No need to replace batteries.

- The End of Product Life Alarm/Signal is a double chirp and flash every 30 seconds (see page 17).
- End of Life Hush. At end of product life, the button can be pushed to silence the end of life "chirp" for approximately 3 days at a time, for a maximum of 30 days life extension.
- One "chirp" every 30 seconds coupled with a green LED flash twice a second is an indication that the alarm is malfunctioning. If this occurs call the Product Support Line at 1-800-880-6788.
- Test/Reset button performs functions.(See page 14).
- HUSH Control Feature that silences the unit during nuisance alarm situations (see page 15).
- Alarm Memory Feature that gives visual indication when an alarm has sensed a hazardous condition(see page 16).
- Green and red LED lights that indicate normal operation and alarm status (see page 17 for details).

The smoke alarm monitors the air for products of combustion that are produced when something is burning or smoldering. When smoke particles in the smoke sensor reach a specified concentration, the alarm warning system will sound, and be accompanied by the flashing red LED light.



WARNING: PLEASE READ CAREFULLY AND THOROUGHLY

Features and General Information

NFPA 72 states: Life safety from fire in residential occupancies is based primarily on early notification to occupants of the need to escape, followed by the appropriate egress actions by those occupants. Fire warning systems for dwelling units are capable of protecting about half of the occupants in potentially fatal fires. Victims are often intimate with the fire, too old or young, or physically or mentally impaired such that they cannot escape even when warned early enough that escape should be possible. For these people, other strategies such as protection-in-place or assisted escape or rescue are necessary.

- Smoke alarms are devices that can provide early warning of possible fires at a reasonable cost; however, alarms have sensing limitations. Ionization sensing alarms may detect invisible fire particles (associated with fast flaming fires) sooner than photoelectric alarms. Photoelectric sensing alarms may detect visible fire particles (associated with slow smoldering fires) sooner than ionization alarms. Home fires develop in different ways and are often unpredictable. For maximum protection, Kidde recommends that both Ionization and Photoelectric alarms be installed.
- A battery powered alarm must have a battery of the specified type, in good condition and installed properly.
- Smoke alarms must be tested regularly to make sure the batteries and the alarm circuits are in good operating condition.
- Smoke alarms cannot provide an alarm if smoke does not reach the alarm. Therefore, smoke alarms may not sense fires starting in chimneys, walls, on roofs, on the other side of a closed door or on a different floor.
- If the alarm is located outside the bedroom or on a different floor, it may not wake up a sound sleeper.
- The use of alcohol or drugs may also impair one's ability to hear the smoke alarm. For maximum protection, a smoke alarm should be installed in each sleeping area on every level of a home.
- Although smoke alarms can help save lives by providing an early warning of a fire, they are not a substitute for an insurance policy. Home owners and renters should have adequate insurance to protect their lives and property.

Operating Instructions

- For more information about compatible interconnect units and their functionality in an interconnect system, visit our web site at www.kidde.com.

Smoke HUSH Control Feature

The HUSH feature has the capability of temporarily desensitizing the smoke alarm circuit for approximately 9 minutes. This feature is to be used only when a known alarm condition, such as smoke from cooking, activates the alarm. When the unit is in alarm, You can put your Smoke Alarm in HUSH mode by pushing the test/reset button. If the smoke is not too dense, the alarm will silence immediately, and the green LED will flash every 2 seconds for approximately 9 minutes. This indicates that the smoke alarm is in a temporarily desensitized condition. Your Smoke Alarm will automatically reset after approximately 9 minutes. When the unit returns to normal operation after being in HUSH mode, it will sound the alarm if smoke is still present. The HUSH feature can be used repeatedly until the air has been cleared of the condition causing the alarm. While the unit is in HUSH mode, pushing the test/reset button on the alarm will also end the HUSH period.

NOTE: DENSE SMOKE WILL OVERRIDE THE HUSH CONTROL FEATURE AND SOUND A CONTINUOUS ALARM.

 CAUTION: BEFORE USING THE ALARM HUSH FEATURE, IDENTIFY THE SOURCE OF THE SMOKE AND BE CERTAIN A SAFE CONDITION EXISTS.

LED Indicator Operation

Red LED

The red LED will flash as described below under the following conditions:

- During smoke alarm, with every beep
- During testing (same as alarm)
- Low battery, single flash with chirp every 60 seconds.
- End of product life, double flash and chirp every 30 seconds
- Unit error mode: Single flash and chirp every 30 seconds. Also every 30 seconds, a Fault Code is flashed, which can be observed and reported to customer service for troubleshooting.

Operating Instructions

-Green LED

The green LED will flash as described below under the following conditions:

- Standby Condition (powered by AC and battery backup):
The LED will be constantly on.
- Standby Condition (powered by only battery backup):
The LED will flash every 60 seconds.
- Smoke Alarm Memory Condition: The LED will flash every second during alarm. When the alarm condition goes away, the originating alarm unit will flash the LED every 16 seconds until the test/reset button is pressed, thus resetting the alarm.
- Initiating Alarm condition: 1 second flash rate during the alarm, which indicates this unit initiated the alarm.
- Trouble Fault/Error mode: 1/2 second flash rate (AC powered only). Helps owner locate the mysterious chirping unit
- HUSH MODE Condition: The LED will flash every 2 seconds while the alarm is in HUSH mode.

What To Do If The Alarm Sounds

NEVER IGNORE THE SOUND OF THE ALARM! When the smoke alarm sounds:

Smoke alarms are designed to minimize false alarms. Cigarette smoke will not normally set off the alarm, unless the smoke is blown directly into the alarm. Combustion particles from cooking may set off the alarm if located too close to the cooking area. Large quantities of combustible particles are generated from spills or when broiling. Using the fan on a range hood which vents to the outside (non recirculating type) will also help remove these combustible products from the kitchen.

If the alarm sounds, check for fires first. If a fire is discovered follow these steps. Become thoroughly familiar with these items, and review with all family members!

- Alert small children in the home.
- Leave immediately using one of your planned escape routes (see page 26). Every second counts, don't stop to get dressed or pick up valuables.
- Before opening inside doors look for smoke seeping in around the edges, and feel with the back of your hand. If the door is hot use your second exit. If you feel it's safe, open the door very slowly and be prepared to close immediately if smoke and heat rush in.
- If the escape route requires you to go through smoke, crawl low under the smoke where the air is clearer.
- Go to your predetermined meeting place. When two people have arrived one should leave to call 911 from a neighbor's home, and the other should stay to perform a head count.
- **Do not reenter under any circumstance until fire officials give the go ahead.**
- There are situations where a smoke alarm may not be effective to protect against fire as stated in the NFPA Standard 72. For instance:
 - a) smoking in bed
 - b) leaving children unsupervised
 - c) cleaning with flammable liquids, such as gasoline

Fire Departments, most utility companies and HVAC contractors will perform smoke alarm inspections, some may charge for this service. It's advisable to inquire about any applicable fees prior to having the service performed. Kidde Safety will not pay for, or reimburse, the owner or user of this product, for any repair or dispatch calls related to the alarm sounding.

Battery Information

Alarm Removal

IF TAMPER RESIST FEATURE HAS BEEN ACTIVATED, REFER TO TAMPER RESIST FEATURE DESCRIPTION ON PAGE 17 FOR REMOVAL INSTRUCTIONS.

Remove the alarm from the mounting bracket by rotating the alarm in the direction of the "OFF" arrow on the cover.

Battery (Non-Replaceable)

This alarm contains a sealed 3V Lithium battery, which will last the life of the alarm. If any form of battery failure is detected, the red LED light will flash and the unit will "chirp" once every 60 seconds. Also, the green LED will flash twice a second to help locate the chirping unit (AC power only). This cycle will continue for at least seven days. Replace alarm immediately!

THE UNIT MUST BE DEACTIVATED (see "Deactivation of Alarm" section) and replaced within 7 days of the first occurrence of the "Low Battery Warning" to provide continuous alarm protection.

If the red LED light flashes along with a chirp every 30 seconds, and if the green LED flashes twice per second (AC power only) your unit has malfunctioned. Call our toll free Product Support Line at 1-800-880-6788 for instructions on how to return the unit.

End of Life Notification

Ten (10) years after unit is first powered, this alarm will chirp twice every 30 seconds to indicate it is time to replace the alarm.

REPLACE IMMEDIATELY!

End of Life Hush can be activated by pushing the test button to silence the End of Life chirp for approximately 3 days at a time for a maximum of 30 day life extension.

General Maintenance

To keep your Smoke Alarm in good working order, please follow these simple steps:

- Verify the unit's alarm and LED lights operation by pushing the test/reset button once a week.
- Remove the unit from mounting bracket and vacuum the alarm cover and vents with a soft brush attachment once a month to remove dust and dirt. REINSTALL IMMEDIATELY AFTER CLEANING AND THEN TEST USING THE TEST/RESET BUTTON!
- Never use detergents or other solvents to clean the unit.
- Avoid spraying air fresheners, hair spray, or other aerosols near the Smoke Alarm.

Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect smoke . Never attempt to disassemble the unit or clean inside. This action will void your warranty.

Move the Smoke Alarm and place in another location prior to performing any of the following:

- Staining or stripping wood floors or furniture
- Painting
- Wall papering
- Using adhesives

Storing the unit in a plastic bag during any of the above projects will protect the sensor from damage. Do not place near a diaper pail.

 **WARNING:** Reinstall the Smoke Alarm as soon as possible to assure continuous protection.

Fire Safety Information

Escape Plan

Familiarize everyone with the sound of the smoke alarm and train them to leave the home when they hear it. Practice a fire drill at least every six months, including fire drills at night. Ensure that small children hear the alarm and wake when it sounds. They must wake up in order to execute the escape plan. Practice allows all occupants to test your plan before an emergency. You may not be able to reach your children. It is important they know what to do. Know two ways out of every room (door & window) and identify a meeting place outside the home where everyone will gather once they have exited the residence. When two people have reached the meeting place, one should leave to call 911 while the second person stays to account for additional family members.

Establish a rule that once you're out, you never reenter under any circumstance!

Current studies have shown smoke alarms may not awaken all sleeping individuals, and that it is the responsibility of individuals in the household that 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.

Fire Prevention

Never smoke in bed, or leave cooking food unattended. Teach children never to play with matches or lighters!

Train everyone in the home to recognize the alarm pattern, and to leave the home using their escape plan when it's heard.

Know how to do "Stop, Drop and Roll" if clothes catch on fire, and how to crawl low under smoke. Install and maintain fire extinguishers on every level of the home and in the kitchen, basement and garage. Know how to use a fire extinguisher prior to an emergency. Second level and higher occupied rooms with windows, should have an escape ladder.