Kidde 21006931

Kidde FireX Hardwire Smoke Detector Alarm

Model: 21006931 (i12060-A)

1. INTRODUCTION

Thank you for choosing the Kidde FireX Hardwire Smoke Detector Alarm. This device is designed to provide early warning of smoke and fire, enhancing the safety of your home or property. Featuring an ionization sensor, it is particularly effective at detecting fast-flaming fires. The unit is hardwired for continuous power and includes a 9V battery backup to ensure operation during power outages. Its front-loading battery compartment simplifies battery replacement without needing to remove the unit from the ceiling.

Key features include:

- Front-loading battery door for easy 9V battery replacement.
- Hush feature to temporarily silence nuisance alarms.
- One-button operation for testing and resetting.
- Designed for use as a standalone unit or in an interconnected system.
- UL listed for safety compliance.

2. SAFETY INFORMATION

Please read this manual thoroughly before installation and operation. Failure to follow these instructions may result in property damage, injury, or death. This smoke alarm is designed for residential use. For detailed safety guidelines and warnings, refer to the complete owner's manual available as a PDF document: Kidde FireX Troubleshooting Guide (PDF).

- **DO NOT PAINT** the smoke alarm. Paint can clog the openings and interfere with the sensor's ability to detect smoke.
- Regularly test your smoke alarm as described in the 'Operating Instructions' section.
- Replace the unit every 10 years from the date of manufacture.
- Ensure proper battery installation; the battery door will not close if a battery is not present.

3. SETUP AND INSTALLATION

This smoke alarm is designed for hardwired installation and includes a 9V battery backup. Professional installation is recommended for hardwired systems.

3.1 Components Included

- Kidde FireX Smoke Alarm Unit
- Mounting Bracket
- Mounting Hardware (screws)
- 9V Alkaline Battery

3.2 Battery Installation

The unit comes with a 9V alkaline battery. To install or replace the battery:

1. Open the front-loading battery door located on the front of the unit.
2. Connect the 9V battery to the battery clip, ensuring correct polarity (+ to + and - to -).
3. Place the battery into the compartment.
4. Close the battery door firmly until it clicks into place. The door will not close if the battery is missing or incorrectly installed.

Figure 1: Rear view of the smoke alarm with the front-loading battery compartment open.

3.3 Hardwired Installation

This alarm is designed to be hardwired into your home's electrical system. Ensure power is OFF at the circuit breaker before beginning installation.

1. Attach the mounting bracket to the ceiling or wall using the provided screws.
2. Connect the alarm's wiring harness to your household wiring according to local electrical codes.
3. Align the alarm unit with the mounting bracket and twist clockwise until it locks securely into place.
4. Restore power at the circuit breaker.

Figure 2: Dimensions of the Kidde FireX smoke alarm for installation planning.

Figure 3: Important information and warnings located on the back label of the unit.

4. OPERATING INSTRUCTIONS

Once installed and powered, the smoke alarm is continuously monitoring for smoke.

4.1 Normal Operation

During normal operation, the green LED indicator will flash approximately once every 45 seconds, indicating that the alarm is receiving power and functioning correctly.

4.2 Testing the Alarm

Test the alarm weekly to ensure proper operation.

1. Press and hold the 'Push to Test/Hush' button on the front of the alarm.
2. The alarm will sound a loud, pulsating alarm (three beeps, pause, three beeps) and the red LED will flash.
3. Release the button. The alarm should stop sounding.

Figure 4: Front view of the smoke alarm, showing the test/hush button.

4.3 Hush Feature

The Hush feature temporarily silences nuisance alarms (e.g., from cooking smoke) for approximately 8 minutes.

1. If the alarm sounds due to a non-emergency condition, press the 'Push to Test/Hush' button.
2. The alarm will silence, and the red LED will flash every 10 seconds to indicate it is in Hush mode.
3. After approximately 8 minutes, the alarm will automatically reset and resume normal operation. If smoke is still present, the alarm will sound again.

5. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your smoke alarm.

5.1 Cleaning Your Alarm

Clean your smoke alarm at least once a year to remove dust and debris that can interfere with its operation.

- Use a soft brush attachment on your vacuum cleaner to remove dust from the alarm's cover and openings.
- Do not use cleaning solvents or spray cleaners directly on the alarm.

5.2 Battery Replacement

The 9V battery should be replaced immediately when the alarm 'chirps' approximately once every 45 seconds, indicating a low battery condition. Use only ALKALINE 9V batteries from reputable brands (e.g., Energizer 522, Gold Peak 1604P, Panasonic 6AM6, Duracell MN1604).

1. Open the front-loading battery door.
2. Remove the old battery.
3. Insert a new 9V alkaline battery, ensuring correct polarity.
4. Close the battery door.
5. Test the alarm after replacing the battery.

5.3 End of Life

The smoke alarm has a service life of 10 years. After 10 years, the unit should be replaced, even if it appears to be functioning correctly. A periodic 'chirp' that cannot be silenced by battery replacement or the Hush feature indicates the unit has reached its end of life.

6. TROUBLESHOOTING

If your smoke alarm is not functioning as expected, refer to the following common issues. For a comprehensive troubleshooting guide, please consult the official PDF document: Kidde FireX Troubleshooting Guide (PDF).

Problem	Possible Cause	Solution
Alarm 'chirps' every 45 seconds	Low battery	Replace 9V battery (see Section 5.2).
Alarm sounds frequently (nuisance alarms)	Cooking smoke, steam, high humidity, dust	Use Hush feature (see Section 4.3). Clean alarm (see Section 5.1). Relocate alarm if consistently triggered by non-fire sources.
Alarm does not sound during test	No power, dead battery, faulty unit	Check circuit breaker. Ensure battery is installed correctly. Replace unit if problem persists.
Alarm 'chirps' irregularly or continuously after 10 years	End of unit life	Replace the entire smoke alarm unit.

7. SPECIFICATIONS

Feature	Detail
Model Number	21006931 (i12060-A)
Power Source	120V AC Hardwired with 9V Battery Backup
Sensor Type	Ionization
Alarm Type	Audible, Visual (Red LED)
Operating Temperature	40°F (4.4°C) to 100°F (37.8°C)

Feature	Detail
Operating Humidity	10% - 95% Relative Humidity, non-condensing
Dimensions (D x W x H)	1.75"D x 5"W x 5"H
Weight	11.7 ounces
Warranty	5-Year Limited Warranty
Certifications	UL Listed

8. WARRANTY AND SUPPORT

The Kidde FireX Hardwire Smoke Detector Alarm, Model 21006931, comes with a 5-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or further assistance, please contact Kidde Customer Service. Do not attempt to repair the unit yourself. For complete warranty details and contact information, refer to the full owner's manual or visit the official Kidde website.

For additional resources, including a detailed troubleshooting guide, please download the PDF document:Kidde FireX Troubleshooting Guide (PDF).

Related Documents - 21006931

Kidde SMACFEX Photoelectric Smoke Alarm User Guide
This user guide provides detailed instructions for the Kidde SMACFEX photoelectric smoke alarm with hardwire interconnect. It covers installation, operation, testing, troubleshooting, maintenance, and fire safety recommendations.

Kidde SMAC10YFEX Photoelectric Smoke Alarm User Guide
This user guide provides comprehensive instructions for the Kidde SMAC10YFEX photoelectric smoke alarm. Learn about installation, operation, testing, troubleshooting, maintenance, safety features, and warranty information for reliable home fire detection.

Kidde Firex Series Smoke and CO Alarms: Product Guide, Cleaning, and Troubleshooting
Comprehensive guide for Kidde Firex Series smoke and CO alarms, including product overview, cleaning instructions, visual/audible indicators, and troubleshooting steps for models like the Kidde Fire 21033081.

[Kidde CUAC10YFEX-V Combination Smoke & Carbon Monoxide Alarm User Guide](#)
Comprehensive user guide for the Kidde CUAC10YFEX-V combination photoelectric smoke and carbon monoxide alarm. Learn about installation, operation, safety features, troubleshooting, and maintenance for this 120V hardwire interconnect alarm with 10-year battery backup.

[Kidde SMAC10YFEX Photoelectric Smoke Alarm User Guide](#)
This user guide provides comprehensive instructions for the Kidde SMAC10YFEX photoelectric smoke alarm, covering installation, operation, testing, troubleshooting, safety guidelines, and warranty information for residential use.

[Kidde i12060 Smoke Alarm User's Guide: Installation, Operation, and Safety](#)
Comprehensive user's guide for the Kidde i12060 AC wire-in ionization smoke alarm with 9V battery backup. Learn about installation, recommended locations, operation, testing, maintenance, and important safety information.