

Kidde 21033081

Kidde SMACFEX 120V Hardwired Smoke Alarm User Manual

Model: 21033081

INTRODUCTION

The Kidde SMACFEX (Model 21033081) is a premium 120V hardwired smoke alarm with battery backup, designed to provide continuous protection against fast-flaming fires. This manual provides essential information for the proper installation, operation, and maintenance of your smoke alarm to ensure optimal performance and safety.



Front view of the Kidde SMACFEX 120V Hardwired Smoke Alarm, highlighting the test/hush button and LED indicators.

SAFETY INFORMATION

Please read and understand all instructions before installing and operating your smoke alarm. Failure to do so may result in improper operation and void the warranty. This device is designed to detect smoke; it cannot prevent a fire. Regular testing and maintenance are crucial.

- Do not paint the alarm.
- Do not block the alarm's vents.
- Test the alarm weekly.
- Replace the battery annually or when the low battery warning sounds.

PACKAGE CONTENTS

Verify that all items are present before beginning installation:

- Kidde SMACFEX 120V Hardwired Smoke Alarm Unit
- Mounting Bracket

- Wiring Harness
- 9V Battery (pre-installed or included)
- Mounting Screws and Wall Anchors

SETUP AND INSTALLATION

This smoke alarm is designed for hardwired installation into a 120V AC circuit, with a 9V battery for backup power during outages. Installation should be performed by a qualified electrician or in accordance with local electrical codes.

Choosing a Location

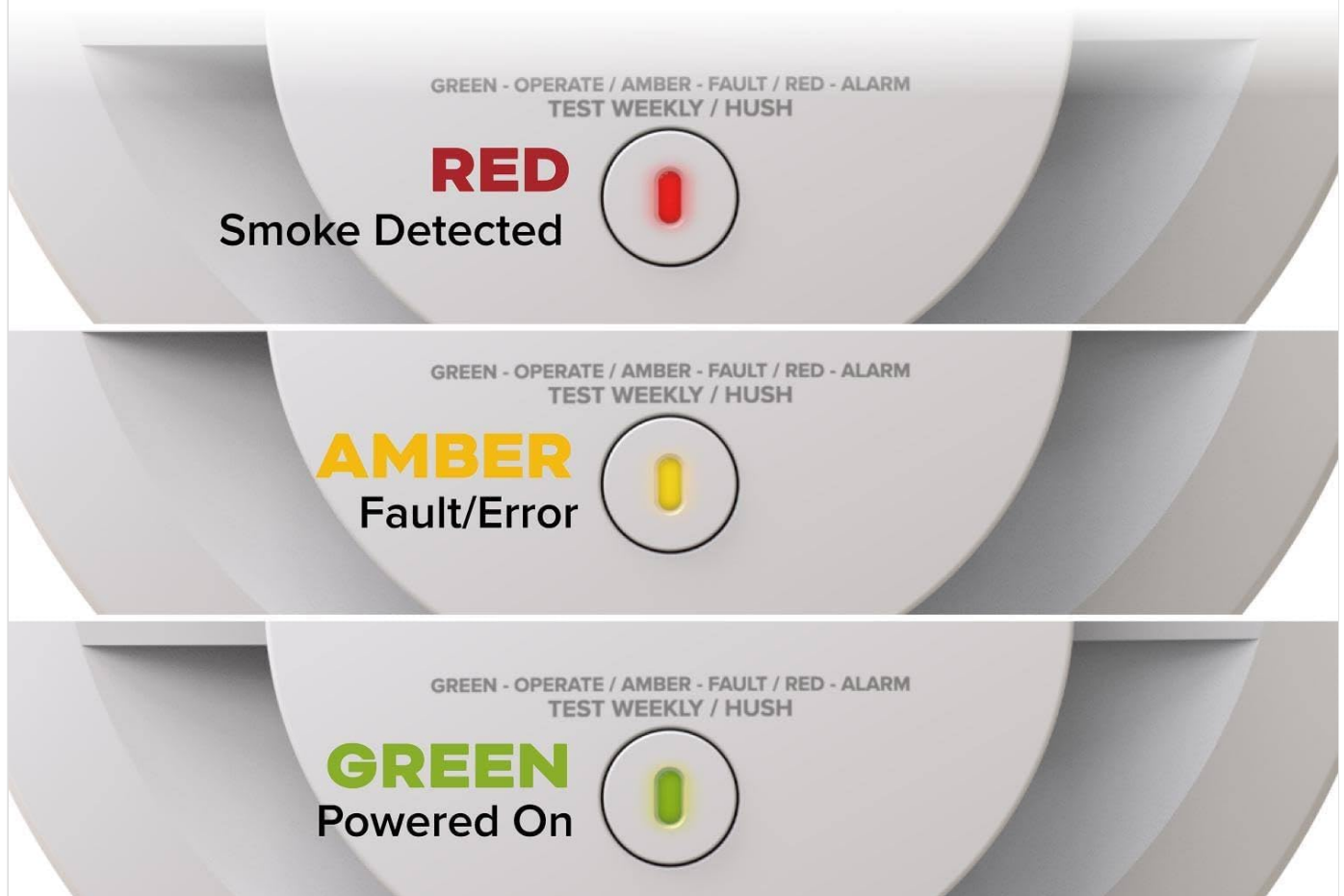
Install smoke alarms on every level of your home, inside each sleeping area, and in the hallway outside each sleeping area. Avoid installing in kitchens, bathrooms, or garages where steam, cooking fumes, or exhaust can cause nuisance alarms.

Wiring Instructions

1. **Turn off power:** Before beginning, ensure the power to the circuit you are working on is turned off at the main fuse or circuit breaker panel.
2. **Connect wiring harness:** Connect the smoke alarm's wiring harness to your household wiring. Match the black wire to the hot wire, the white wire to the neutral wire, and the red wire (if present) to the interconnect wire for multi-alarm systems.
3. **Secure mounting bracket:** Attach the mounting bracket to the electrical box using the provided screws.

LED NOTIFICATIONS

At-a-glance alarm status.



The mounting bracket and the smoke alarm unit, ready for installation.

4. **Install battery:** Open the front-load battery door and insert the 9V battery, ensuring correct polarity. Close the battery door.
5. **Attach alarm to bracket:** Align the alarm with the mounting bracket and twist clockwise until it clicks securely into place.



SIMPLE INSTALLATION

Easy twist-and-click
mounting bracket.



A person installing the Kidde smoke alarm on a ceiling using the easy twist-and-click mounting bracket.

6. **Restore power:** Turn the power back on at the main fuse or circuit breaker panel. The green LED should illuminate, indicating AC power.
7. **Test the alarm:** Press and hold the Test/Hush button until the alarm sounds. This confirms proper operation.

OPERATING INSTRUCTIONS

LED Indicators

The smoke alarm features LED indicators to provide visual status updates:

- **Green LED:** Indicates AC power is present and the unit is operating normally.
- **Amber LED:** Indicates a fault or error condition. Refer to the troubleshooting section.
- **Red LED:** Flashes during an alarm condition (smoke detected).



Visual representation of the LED indicators for different alarm statuses.

Test/Hush Button

- **Test:** Press and hold the button for a few seconds until the alarm sounds. Release the button. The alarm should stop sounding. Test weekly.
- **Hush:** If a nuisance alarm occurs (e.g., from cooking smoke), press the button to temporarily silence the alarm for approximately 10 minutes. The alarm will automatically reset after this period if the smoke has cleared.

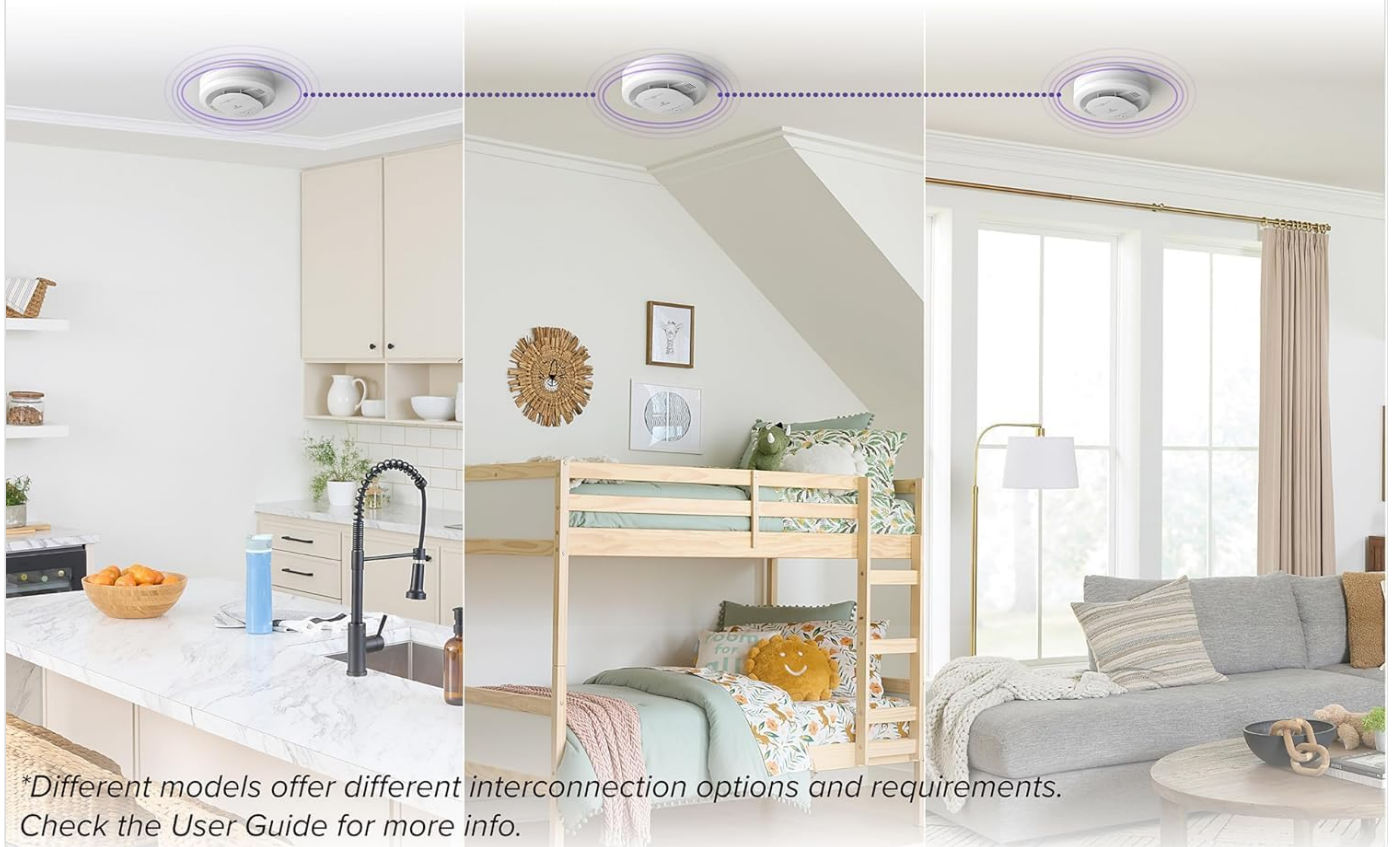
Interconnectivity

This alarm can connect with up to 24 compatible Kidde devices (smoke, CO, and heat alarms). When one interconnected alarm sounds, all connected alarms will sound, providing an early warning throughout your home.



INTERCONNECTED ALARMS*

**When one alarm sounds,
they all sound.**



**Different models offer different interconnection options and requirements. Check the User Guide for more info.*

Illustration of interconnected alarms sounding simultaneously across different rooms.

Reduced Nuisance Alarms

The advanced ionization sensor is designed to quickly detect fast-flaming fires while also helping to reduce nuisance alarms often caused by everyday activities like cooking or steam.



REDUCED NUISANCE ALARMS

**Fewer false alarms often
caused by cooking.**



The alarm's ability to reduce false alarms from common household activities like toasting.

MAINTENANCE

Battery Replacement

The 9V battery provides backup power during outages. Replace the battery annually or immediately when the alarm chirps approximately once every 30-40 seconds, indicating a low battery. The front-load battery door allows for easy replacement without removing the unit from the ceiling.

Cleaning Your Alarm

Clean your smoke alarm at least once a month. Use a soft brush or a vacuum cleaner with a soft brush attachment to remove dust and debris from the alarm's vents. Do not use cleaning solvents or spray directly onto the alarm.

Testing Your Alarm

Test your smoke alarm weekly by pressing and holding the Test/Hush button until the alarm sounds. This ensures the

alarm's electronics, battery, and horn are working correctly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm chirps every 30-40 seconds	Low battery	Replace the 9V battery.
Alarm sounds intermittently or for no apparent reason	Nuisance alarm (steam, cooking fumes, dust)	Press the Hush button. Clean the alarm. Relocate if nuisance alarms persist.
Alarm does not sound when tested	No power, dead battery, or faulty unit	Check AC power. Replace battery. If still not working, replace the unit.
Amber LED is on or flashing	Fault or error condition	Clean the alarm. If the fault persists, replace the unit.

SPECIFICATIONS

Feature	Detail
Model Number	21033081
Power Source	120V AC, 60Hz with 9V Battery Backup
Sensor Type	Ionization
Interconnect	Up to 24 Kidde devices
Dimensions	5"W x 5"H x 2"D (approx.)
Weight	0.86 Pounds (approx. 13.8 ounces)
Color	White
Material	Plastic
Operating Temperature	40°F (4.4°C) to 100°F (37.8°C)
Humidity Range	10-95% relative humidity, non-condensing

WARRANTY AND SUPPORT

Kidde smoke alarms are designed for years of reliable service. For specific warranty details, please refer to the documentation included with your product packaging or visit the official Kidde website. For technical support or further assistance, please contact Kidde customer service.

You can visit the official Kidde store on Amazon for more products and information:[Kidde Store](#)



Related Documents - 21033081

	<p>Kidde Firex Series Smoke and CO Alarms: Product Guide, Cleaning, and Troubleshooting</p> <p>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.</p>
	<p>Kidde SMACFEX Photoelectric Smoke Alarm User Guide</p> <p>This user guide provides essential information for the Kidde SMACFEX photoelectric smoke alarm, covering installation, operation, testing, troubleshooting, safety recommendations, and warranty details. Learn how to ensure optimal fire safety in your home with this hardwire interconnect smoke alarm.</p>
	<p>Kidde SMACFEX Photoelectric Smoke Alarm User Guide</p> <p>This user guide provides comprehensive instructions for the Kidde SMACFEX photoelectric smoke alarm with hardwire interconnect, covering installation, operation, testing, troubleshooting, maintenance, safety, and warranty information.</p>
	<p>Kidde SMACFEX Photoelectric Smoke Alarm User Guide</p> <p>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.</p>
	<p>Kidde 21032311 Hardwired Smoke & CO Combo Installation Best Practices</p> <p>Installation best practices for the Kidde 21032311 Hardwired Smoke & CO Combo with AA Backup, focusing on reducing callbacks and ensuring proper function. Covers dust cover, battery activation, LED indicators, sensing chamber cleaning, and locations to avoid.</p>
	<p>Kidde 20SAR Smoke Alarm: Hardwired, AA Backup Battery, Photoelectric - Product Data Sheet</p> <p>Comprehensive product data sheet for the Kidde 20SAR Smoke Alarm. Details features like hardwired power with AA backup, photoelectric sensing, interconnected alarms, self-testing, and end-of-life notifications. Includes technical specifications and ordering information.</p>