

Kidde 30CUA10-V

Kidde 30CUA10-V Hardwired Smoke and Carbon Monoxide Detector Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your Kidde 30CUA10-V combination smoke and carbon monoxide alarm.

1. PRODUCT OVERVIEW

The Kidde 30CUA10-V is a hardwired smoke and carbon monoxide (CO) detector designed to provide comprehensive fire safety for your home. This 2-in-1 device features enhanced sensing technology to reduce false alarms, voice alerts for clear hazard identification, and a 10-year sealed lithium battery backup, eliminating the need for battery changes throughout the detector's lifespan. It is interconnectable, ensuring that when one alarm sounds, all connected alarms activate, providing faster notification.



Image 1: The Kidde 30CUA10-V combination smoke and carbon monoxide detectors, shown in a 4-pack. These units offer voice alerts and a 10-year battery backup.

Key Features:

- **2-in-1 Detection:** Detects both smoke and carbon monoxide.
- **Hardwired with 10-Year Battery Backup:** Operates on 120V AC wiring with a sealed 10-year lithium battery, eliminating battery replacements.
- **Enhanced Sensing Technology:** Reduces false alarms, particularly those caused by cooking.
- **Voice Alerts:** Clearly announces "Fire!" or "Warning! Carbon Monoxide!" to specify the detected hazard.
- **Interconnect Capability:** Connects with other compatible alarms, ensuring all alarms sound simultaneously.
- **Self-Testing Alarm:** Internal components continuously monitor alarm operation.
- **LED Notifications:** Visual indicators for normal operation (green), fault/error (amber), and alarm (red).

2. SAFETY GUIDELINES AND PLACEMENT

Proper placement of smoke and carbon monoxide detectors is crucial for effective home safety. Always refer to local

codes and regulations, as well as the detailed user guide for specific installation requirements. General recommendations include installing detectors on every level of the home, inside and outside sleeping areas, and in living spaces.

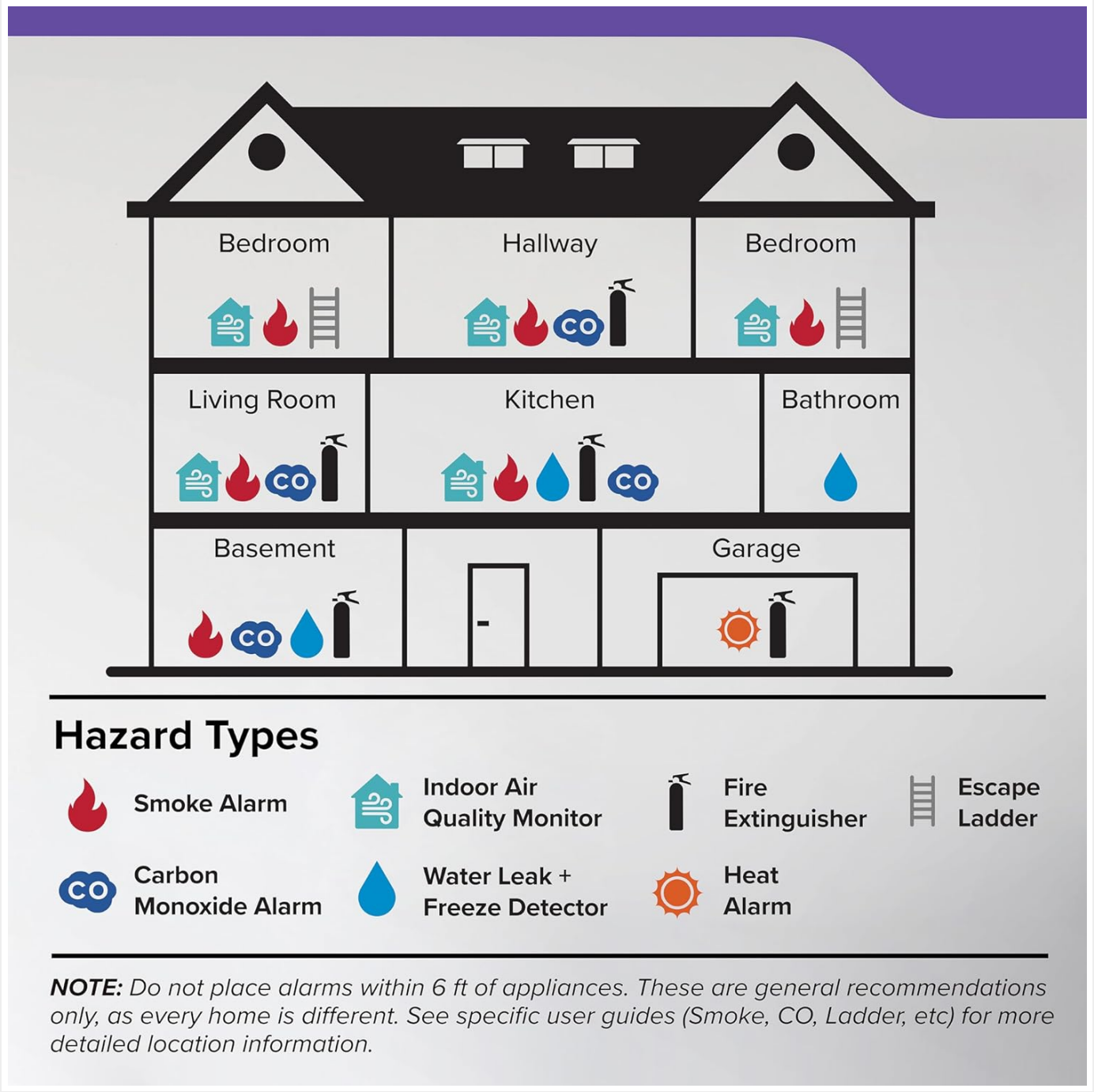


Image 2: Recommended placement of various hazard detectors within a typical home layout, including smoke and carbon monoxide alarms. Note: Avoid placing alarms within 6 feet of appliances.

It is important to be aware of state and local requirements regarding smoke and carbon monoxide alarms. These regulations can vary significantly by location and may specify types of alarms, battery life, and placement. Always consult your local fire department or building authority for the most current information.

IT'S THE LAW.

State Carbon Monoxide (CO) Alarm and Smoke Alarm Requirements

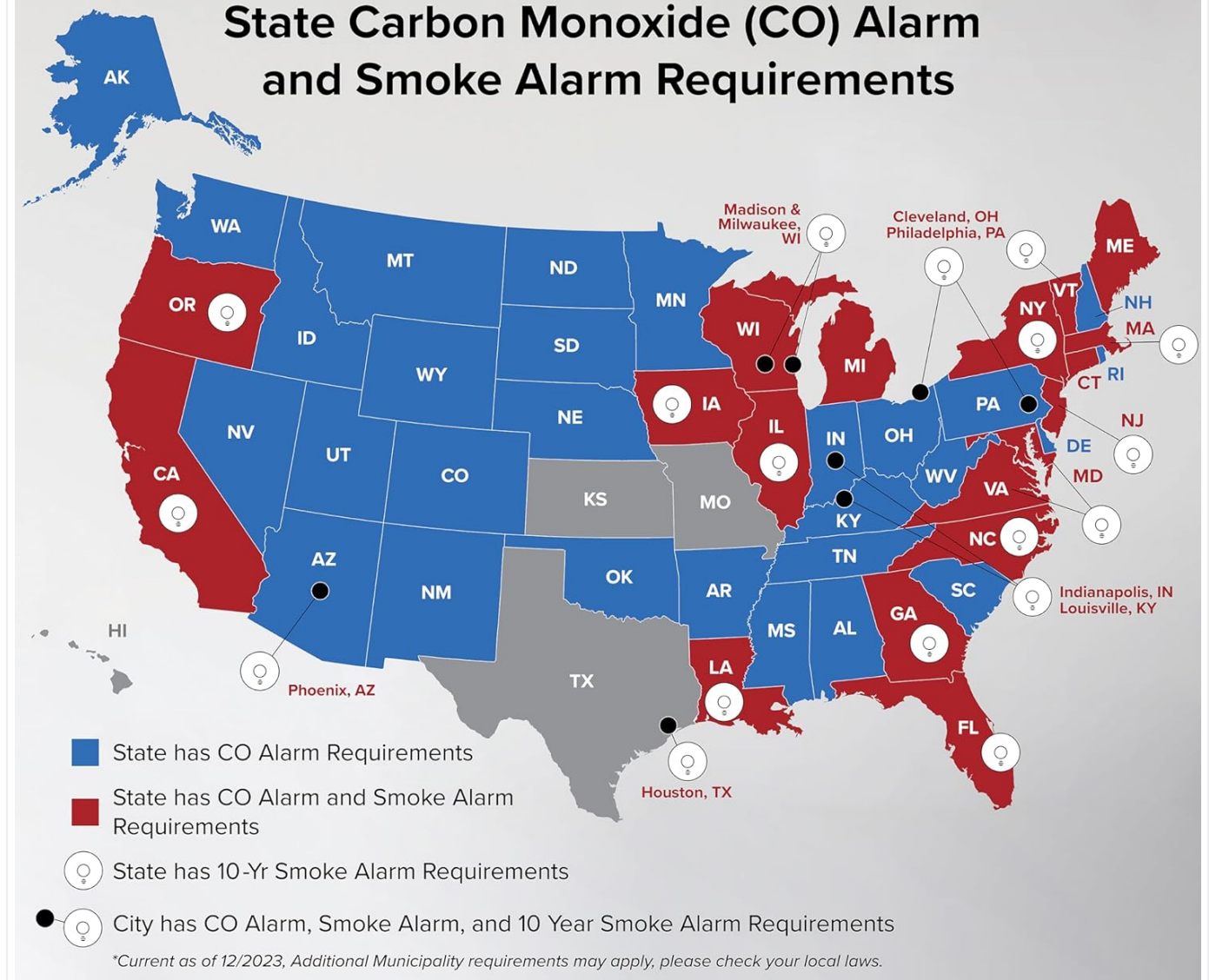


Image 3: A map illustrating state carbon monoxide and smoke alarm requirements across the United States. Blue indicates CO alarm requirements, red indicates CO and smoke alarm requirements, and specific icons denote 10-year smoke alarm requirements and city-specific regulations.

3. SETUP AND INSTALLATION

The Kidde 30CUA10-V detector is designed for easy installation with a twist-and-click mounting bracket. As a hardwired unit, it connects to your home's 120V AC electrical system. Ensure power is turned off at the circuit breaker before beginning installation.



SIMPLE INSTALLATION

Easy twist-and-click
mounting bracket.



Image 4: Simple installation process showing a person attaching the detector to the ceiling using the twist-and-click mounting bracket.

Installation Steps:

1. **Disconnect Power:** Turn off the power to the circuit at your main electrical panel before starting any work.
2. **Remove Old Detector (if applicable):** Unscrew and remove your existing smoke or CO detector from its mounting bracket. Disconnect the wiring harness.
3. **Install New Mounting Bracket:** If your existing mounting bracket is not compatible, install the new twist-and-click mounting bracket provided with your Kidde detector. Secure it to the ceiling or wall using the included hardware.
4. **Wire Connection:**
 - Connect the new wiring harness (pigtail) to your home's electrical wiring. Match black to black (hot), white to white (neutral), and red to red (interconnect, if applicable). Use wire nuts to secure connections.
 - Plug the wiring harness into the back of the new Kidde detector.
5. **Attach Detector:** Push any excess wiring back into the electrical box. Align the detector with the mounting bracket and twist clockwise until it clicks securely into place.

6. **Restore Power and Test:** Restore power at the circuit breaker. Press and hold the Test/Hush button on the detector until the alarm sounds to confirm proper operation.



Video 1: A step-by-step guide demonstrating the installation process for the Kidde hardwired smoke and carbon monoxide detector, including wiring connections and mounting.

4. OPERATING INSTRUCTIONS

Your Kidde 30CUA10-V detector provides clear indications of its status and any detected hazards through voice alerts and LED lights.

Voice Alerts:

The detector uses distinct voice messages to inform you of specific dangers:

- "Fire!": Indicates smoke detection.
- "Warning! Carbon Monoxide!": Indicates carbon monoxide detection.
- Other alerts may include "Replace Alarm" or "Smoke Sensor Defective" for maintenance or troubleshooting.



VOICE ALERTS

Clear voice alerts say why the alarm is sounding.

Fire!

Replace Alarm

Warning,
Carbon Monoxide



Image 5: The detector highlights its voice alert feature, clearly stating "Fire!" or "Warning, Carbon Monoxide" to identify the specific hazard.

LED Notifications:

A multi-color LED light on the detector provides visual status updates:

- **Green LED:** Indicates normal operation and AC power.
- **Amber LED:** Indicates a fault or error condition. Blinks 1-4 times with 3 chirps every 60 seconds for fault, or twice with 2 chirps every 60 seconds for low battery (though this model has a sealed 10-year battery, this may signify end-of-life or a specific internal fault).
- **Red LED:** Indicates smoke or carbon monoxide detection, accompanied by a loud 85-decibel alarm.

LED NOTIFICATIONS

At-a-glance alarm status.

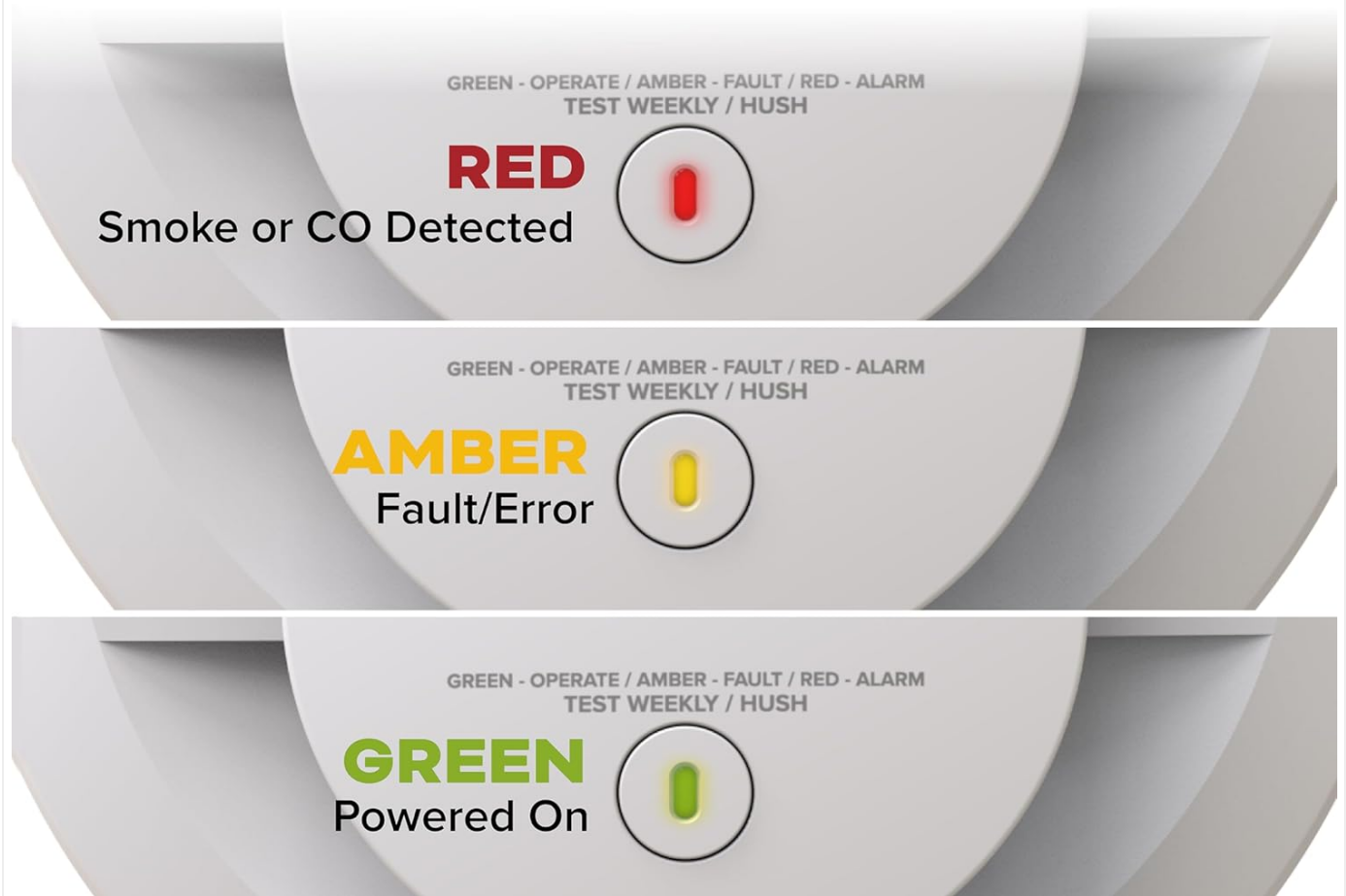


Image 6: Visual representation of the LED notification system: Red for alarm, Amber for fault/error, and Green for normal operation.

Interconnect Capability:

When one interconnected alarm detects a hazard, all connected alarms will sound, providing early warning throughout your home. This feature is particularly beneficial in larger homes or those with multiple levels.



INTERCONNECTED ALARMS*

When one alarm sounds,
they all sound.

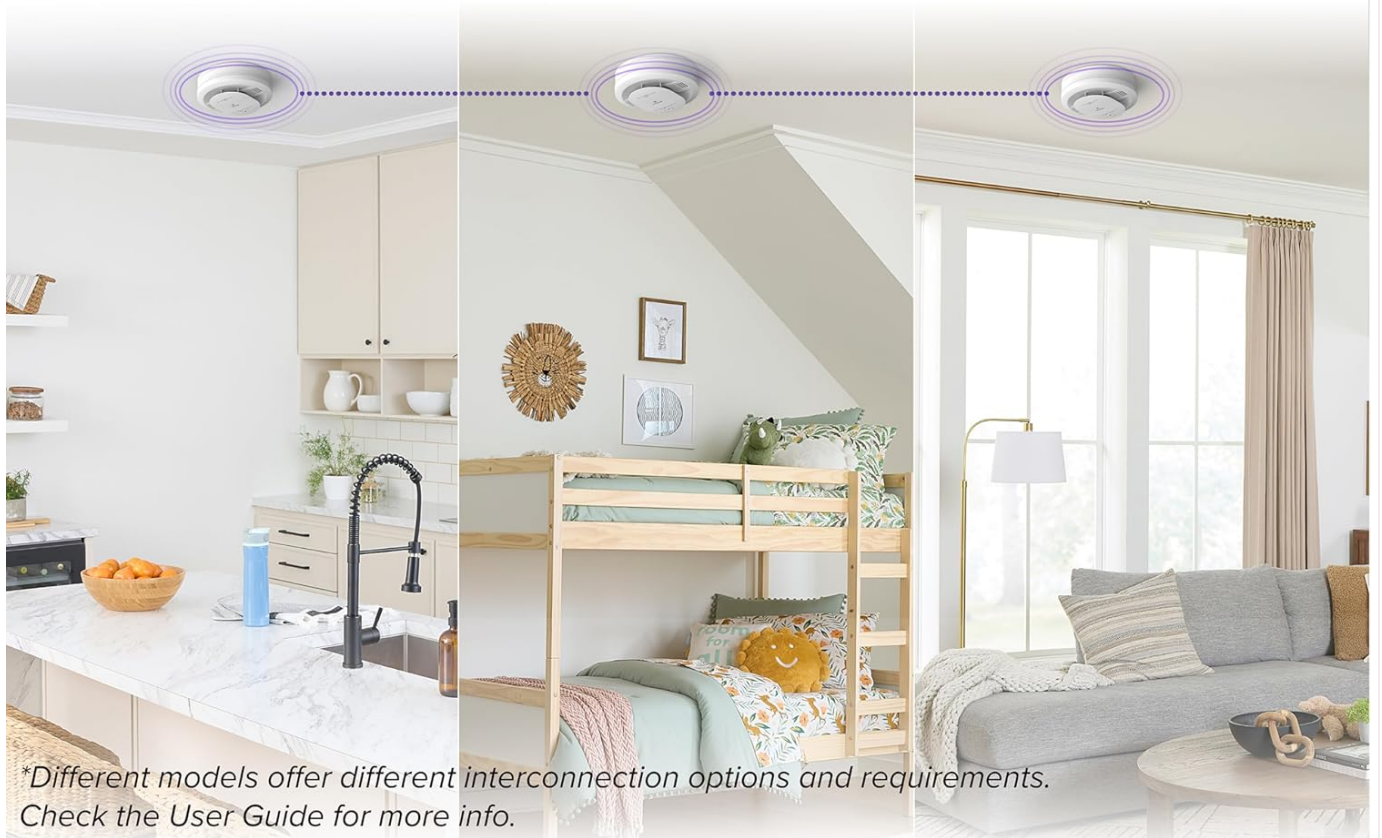


Image 7: Illustration of interconnected alarms, demonstrating how a single alarm activation triggers all connected units for enhanced safety.

5. MAINTENANCE AND TESTING

Regular maintenance and testing ensure your Kidde detector remains fully functional and provides reliable protection.

Weekly Push Test:

Perform a manual push test once per week to verify the alarm's operation. Press and hold the Test/Hush button until the alarm sounds. This confirms the electronics, battery, and horn are working correctly.



SELF TESTING**

Ensures alarm is operating as expected.



***Self-testing is not a substitute for a manual push test of the alarm. Perform a button test once per week to verify proper alarm operation.*

Image 8: A family enjoying their living space, with a ceiling-mounted detector, emphasizing the importance of self-testing for peace of mind.

Cleaning:

Clean your detector annually to prevent dust and debris from interfering with its sensors. Use a soft brush attachment on your vacuum cleaner to gently remove dust from the vents. Do not paint the alarm.

Battery Backup:

The 30CUA10-V model features a sealed 10-year lithium battery backup, meaning you will not need to replace batteries for the life of the detector. This eliminates the common issue of low battery chirps.



HARDWIRED + 10-YEAR[†] BATTERY

No battery replacements ever.

10-YEAR

[†]10-year limited warranty on alarm. Not a battery performance claim.

Image 9: This graphic highlights the hardwired design combined with a 10-year sealed battery, ensuring no battery replacements are needed.

6. TROUBLESHOOTING

If your Kidde detector is not functioning as expected, refer to the following common issues and solutions:

- **False Alarms:** The detector features enhanced sensing technology to reduce false alarms from cooking. If false alarms persist, ensure the detector is not placed too close to cooking appliances or in areas with high humidity.
- **Amber LED Blinking with Chirps:**
 - 1-4 blinks with 3 chirps every 60 seconds: Indicates a fault condition.
 - 2 blinks with 2 chirps every 60 seconds: Indicates end of unit life or low battery (for models with replaceable batteries; for this sealed unit, it typically signifies end-of-life).

If a fault persists after cleaning and testing, the unit may need replacement.

- **"Smoke Sensor Defective" Voice Alert:** If you hear this specific voice alert, the smoke sensor may be faulty.

Perform a manual test. If the issue continues, contact Kidde customer support for assistance or consider replacing the unit.

- **No Power (Green LED Off):** Ensure the circuit breaker is on and the detector is properly connected to the 120V AC wiring.

For persistent issues, consult the full user manual or contact Kidde customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	30CUA10-V
Detection Type	Combination Photoelectric Smoke / Electrochemical Carbon Monoxide
Power Source	120V AC Hardwired with 10-Year Sealed Lithium Battery Backup
Voice Alerts	Yes
Interconnectable	Yes
LED Indicators	Green (Normal), Amber (Fault/Error), Red (Alarm)
Product Dimensions	1.88"D x 5"W x 5"H
Item Weight	12.8 ounces
Operating Humidity	10 to 95% relative humidity (RH), non-condensing
Upper Temperature Rating	100 Degrees Fahrenheit
Certifications	UL 217 9th Edition, UL 2034 4th Edition, FCC, CSFM

MODERN 5" DESIGN

Ideal for all
living spaces.

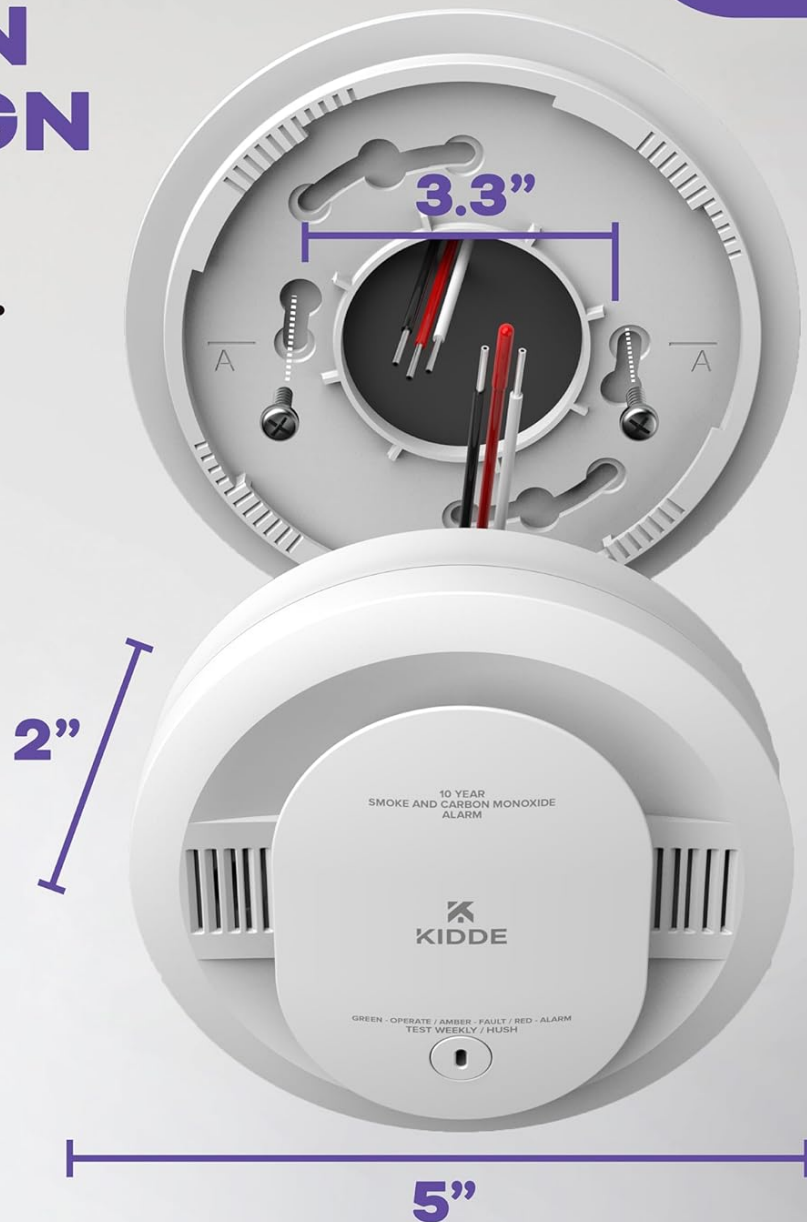


Image 10: A visual representation of the detector's modern 5-inch design and compact dimensions.

8. WARRANTY AND SUPPORT

The Kidde 30CUA10-V detector comes with a 10-year limited warranty. This warranty begins when the alarm is powered on. If the power-on date is unknown, it is recommended to assume the alarm should be replaced after 10 years from the manufacturing date. This warranty applies to the alarm unit itself and is not a battery performance claim, as the battery is sealed for the life of the unit.








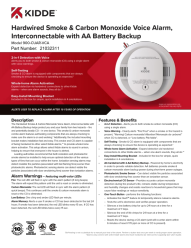
Image 11: The 10-year limited warranty seal, indicating the product's long-term reliability.

For further assistance, technical support, or warranty claims, please refer to the contact information provided in your product packaging or visit the official Kidde website.



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Related Documents - 30CUA10-V

	<p>Kidde 30CUA10-V Smoke + CO Alarm: Hardwired, 10-Year Battery, Voice Alerts</p> <p>Detailed information on the Kidde 30CUA10-V Smoke + CO Alarm, featuring hardwired installation, a 10-year never-change backup battery, voice alerts, and interconnected alarm capabilities for enhanced home safety.</p>
	<p>Kidde 30CUA10-V Combination Smoke and Carbon Monoxide Alarm User Guide</p> <p>Comprehensive user guide for the Kidde 30CUA10-V hardwired combination photoelectric smoke and carbon monoxide alarm with voice alerts and 10-year battery backup. Learn about installation, operation, troubleshooting, and safety.</p>
	<p>Kidde 30CUA10-V Smoke + CO Alarm Hardwired, 10-Year Battery, Voice Alerts</p> <p>Detailed information on the Kidde 30CUA10-V Combination Smoke and Carbon Monoxide Alarm. Features include voice alerts, interconnected alarms, photoelectric + electrochemical sensing, and a 10-year sealed battery backup. Includes installation guide and technical specifications for reliable home safety.</p>
	<p>Kidde 30CUA10-VCA Smoke + CO Alarm: 120V Hardwired, 10-Year Battery, Voice Alerts</p> <p>Comprehensive details on the Kidde 30CUA10-VCA Smoke and Carbon Monoxide Alarm. This 120V hardwired unit features a 10-year backup battery, voice alerts in English and French, interconnected capabilities, easy installation, and detailed technical specifications.</p>
	<p>Kidde 30CUA10 Smoke + CO Alarm: Hardwired, 10-Year Battery - Safety Overview</p> <p>Comprehensive details on the Kidde 30CUA10 Hardwired Smoke and Carbon Monoxide Alarm, featuring a 10-year never-change backup battery. Learn about its dual detection capabilities, interconnected alarms, self-testing functions, simple installation, and end-of-life notifications for enhanced home safety.</p>
	<p>Kidde 900-CUAR-VCA Hardwired Smoke & Carbon Monoxide Voice Alarm with AA Battery Backup</p> <p>Comprehensive guide to the Kidde 900-CUAR-VCA Hardwired Smoke & Carbon Monoxide Voice Alarm. Learn about its features, installation, technical specifications, and safety warnings for effective home protection.</p>