

First Alert SMICO100-AC

First Alert SMICO100-AC Combination Smoke & Carbon Monoxide Alarm Instruction Manual

Model: SMICO100-AC

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your First Alert SMICO100-AC Combination Smoke and Carbon Monoxide Alarm. This device is designed to provide early warning of smoke and carbon monoxide presence in your home. It features interconnectivity for synchronized alarming and a battery backup for continuous protection during power outages.



Figure 1: First Alert SMICO100-AC Combination Smoke and Carbon Monoxide Alarm.

2. KEY FEATURES

- **Precision Detection Technology:** Advanced sensing technology designed to reduce nuisance alarms from cooking while providing early warning of fire.
- **Interconnect Capability:** When one alarm sounds, all compatible interconnected alarms will activate, ensuring widespread alert throughout your home.
- **Hardwire with Battery Backup:** Operates on household electrical current with a 9V battery backup for continued protection during power failures.
- **Quick Connect Plug:** Facilitates easy installation without the need for rewiring existing compatible setups.
- **Test/Silence Button:** Allows for convenient testing of alarm functions and silencing of nuisance alarms.

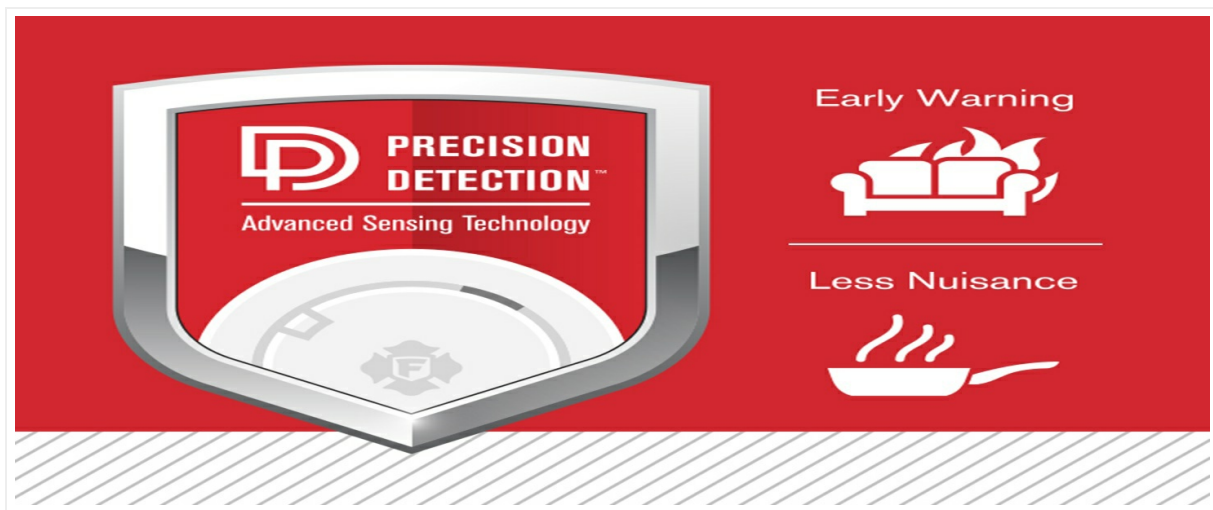


Figure 2: Precision Detection Advanced Sensing Technology for early warning and reduced nuisance alarms.

3. INSTALLATION

3.1 Safety Precautions

- Turn off power to the circuit before installation.
- Installation must comply with all local electrical codes.
- Consult a licensed electrician if you are unsure about wiring procedures.

3.2 Mounting

1. Remove the old alarm unit from its mounting bracket.
2. Attach the new mounting bracket (included) to the electrical box on the ceiling or wall. Ensure the bracket is securely fastened.
3. Connect the wiring harness: Black to Black (Line), White to White (Neutral), and Orange to Orange (Interconnect). If your existing wiring uses different colors for interconnect, refer to the alarm's specific wiring diagram.
4. Plug the wiring harness into the back of the SMICO100-AC alarm unit.
5. Insert the 9V battery into the battery compartment. Ensure the battery is properly seated.
6. Align the alarm unit with the mounting bracket and twist clockwise until it locks securely into place.
7. Restore power to the circuit.



Figure 3: The Quick Connect Plug simplifies installation by allowing direct connection to existing wiring.

Video 1: This video demonstrates the advanced sensing technology for early fire and carbon monoxide detection, highlighting the importance of proper installation for optimal safety.

4. OPERATING INSTRUCTIONS

4.1 Initial Power-Up

Upon restoring power, the alarm will perform a self-test. A green LED indicator should illuminate, signifying normal operation. If the alarm chirps or sounds continuously, refer to the troubleshooting section.

4.2 Test/Silence Button

- **Testing:** Press and hold the Test/Silence button for a few seconds. The alarm will sound a loud, pulsating alarm pattern (3 beeps for smoke, 4 beeps for CO). This confirms the electronic circuitry, horn, and battery are working. Test weekly.
- **Silencing Nuisance Alarms:** In case of a non-emergency alarm (e.g., from cooking smoke), press the Test/Silence button to temporarily silence the alarm for several minutes. The alarm will automatically reset after the silence period if smoke or CO levels return to normal.

4.3 LED Indicators

- **Green LED:** Flashes once every 60 seconds, indicating the alarm is receiving AC power and operating correctly.
- **Amber LED:** Indicates a fault or malfunction. Refer to the troubleshooting section.
- **Red LED:** Flashes rapidly during an alarm event (smoke or CO detected).

5. PLACEMENT GUIDELINES

For optimal protection, install combination smoke and carbon monoxide alarms on every level of your home, including basements, and inside every bedroom. Additionally, place alarms in hallways outside sleeping areas.

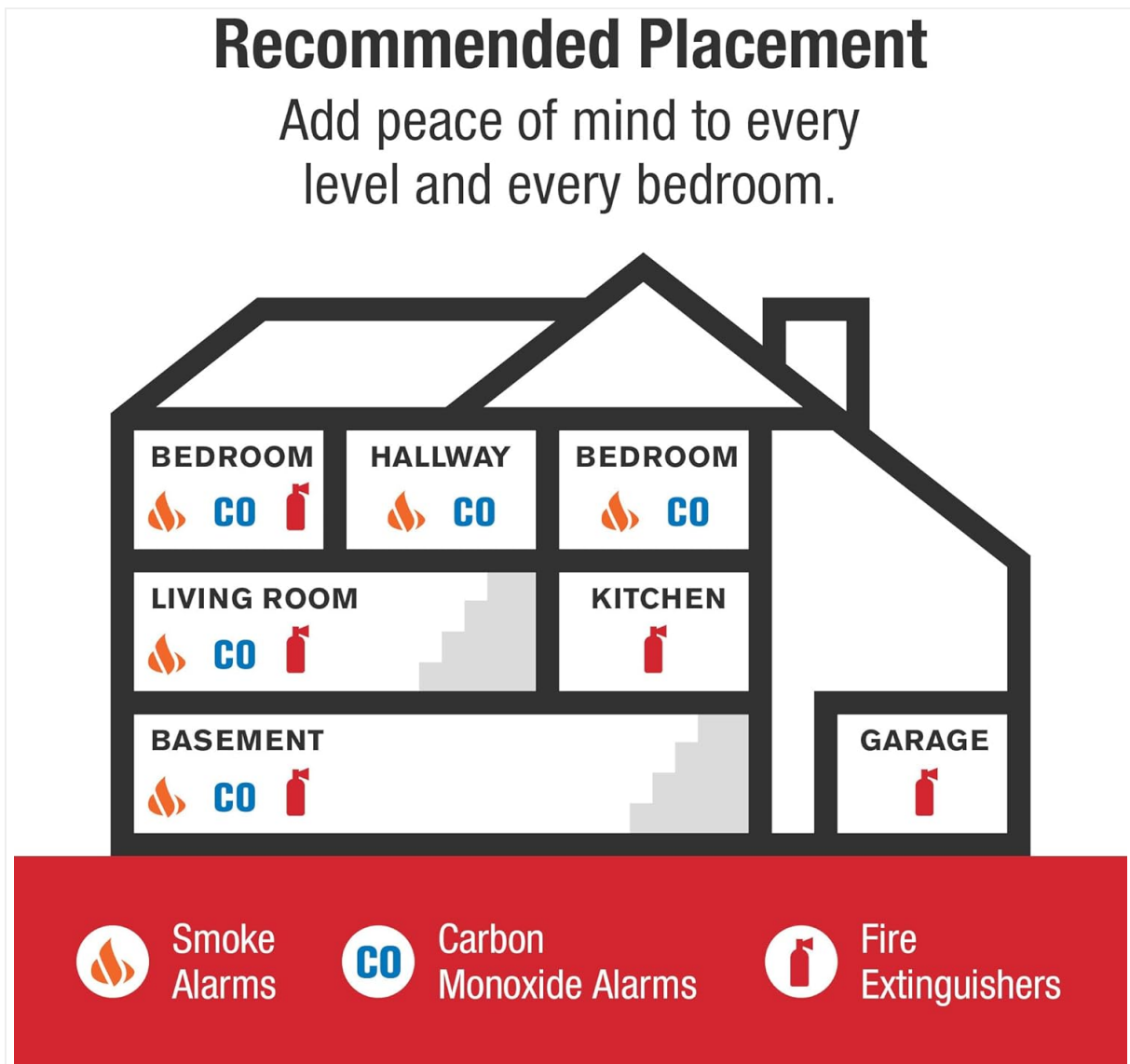


Figure 4: Recommended placement of smoke and carbon monoxide alarms throughout your home.

1-2
MINUTES
ESCAPE TIMES

Figure 5: Install alarms on every level and in every bedroom for comprehensive coverage.

6. MAINTENANCE

6.1 Regular Testing

Test your alarm weekly by pressing the Test/Silence button. This ensures the unit is functioning correctly.



Figure 6: Test alarms regularly to ensure proper function.

6.2 Battery Replacement

Replace the 9V battery at least once a year, or immediately when the alarm chirps every minute (indicating a low battery). To replace, open the battery drawer, remove the old battery, insert a new 9V alkaline battery, and close the drawer.

6.3 Cleaning

Clean your alarm monthly to remove dust and debris. Use a soft brush attachment on your vacuum cleaner to gently vacuum the alarm's vents. Do not use water, cleaners, or solvents.

6.4 Unit Replacement

Alarms have a limited lifespan. Replace your First Alert SMICO100-AC alarm at least every 10 years from the date of manufacture. The manufacture date is printed on the back of the alarm.



Figure 7: Replace alarms at least every 10 years for continued reliability.

7. TROUBLESHOOTING

Problem	Indication	Solution
Alarm chirps every minute	Low battery	Replace 9V battery.

Problem	Indication	Solution
Alarm chirps every 30-40 seconds	Malfunction	Clean the alarm. If chirping persists, replace the unit.
Nuisance alarms	Smoke from cooking/steam	Press Test/Silence button. Ensure proper placement away from cooking areas.
Alarm does not sound during test	Unit not functioning	Check power connection and battery. Replace unit if problem persists.

8. SPECIFICATIONS

Feature	Detail
Brand	First Alert
Model Number	SMICO100-AC
Power Source	Corded Electric with 9V Battery Backup
Sensor Type	Ionization (Smoke), Electrochemical (CO)
Product Dimensions	5.5"D x 2"W x 5.5"H
Item Weight	0.56 Pounds (9 ounces)
Operating Humidity	10-95% RH
Included Components	Easy Adapter Plug, 9V Battery

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to obtain a user's manual, please refer to the documentation included with your product or visit the official First Alert website. Regular maintenance and testing are crucial for the proper functioning of your alarm.

Video 2: This video provides an overview of the First Alert Hardwire Combination Smoke and Carbon Monoxide Alarm, emphasizing its features and benefits for home safety.