Fireangel FA6813-EUX10

FireAngel FA6813 Carbon Monoxide Detector User Manual

Model: FA6813-EUX10

1. INTRODUCTION

The FireAngel FA6813 Carbon Monoxide (CO) Detector is designed to provide early warning of dangerous carbon monoxide levels in your home. This device utilizes an advanced electrochemical sensor to accurately detect CO gas, which is colorless, odorless, and highly toxic. It is a crucial safety device for any household. This model is designed to replace previous FireAngel CO-9B and CO-9X models, offering enhanced features and reliability. It is powered by 2 AA batteries, ensuring continuous operation even during power outages.

Figure 1: Front view of the FireAngel FA6813 Carbon Monoxide Detector.

Figure 2: The FA6813 detector with its packaging, emphasizing its 10-year sensor life, 85 dB(A) alarm, and included AA batteries.

2. IMPORTANT SAFETY INFORMATION

WARNING: This device detects carbon monoxide gas. It is not designed to detect smoke, fire, or other gases. Carbon monoxide is a silent killer; it is invisible, odorless, and potentially fatal.

In Case of a CO Alarm:

1. **Ventilate:** Immediately open all doors and windows to air out the premises. Turn off all combustion appliances (e.g., furnaces, water heaters, gas stoves).

2. **Evacuate:** Leave the building immediately. Ensure everyone, including pets, is out of the affected area.

3. **Call for Help:** From a safe location outside the building, contact your gas supplier or emergency services. Do not re-enter the premises until it has been declared safe by a qualified professional.

4. **Do Not Reuse:** Do not use any combustion appliances again until they have been inspected and verified safe by a qualified technician.

Sécurité domestique ultime

UK CA CE

- **Le monoxyde de carbone est invisible, inodore et potentiellement mortel**

- **Une évacuation rapide peut éviter les risques d'intoxication**

- **Le détecteur de monoxyde de carbone FA6813 est certifié CE**

- **Conçu conformément aux normes EN 50291-1: 2008 et EN 50291-2: 2019**

Figure 3: Side view of the FA6813, emphasizing its role in domestic safety and the properties of carbon monoxide.

3. PACKAGE CONTENTS

Please check the box to ensure all components are present:

- FireAngel Carbon Monoxide Alarm (FA6813)
- 2 x AA Batteries
- User Manual

4. SETUP AND INSTALLATION

4.1 Battery Installation

The FA6813 detector operates on 2 AA batteries. These are included in the package. To install:

1. Locate the battery compartment on the back of the unit.

2. Open the compartment cover.

3. Insert the 2 AA batteries, ensuring correct polarity (+ and -).

4. Close the battery compartment cover securely.

4.2 Placement and Mounting

The FA6813 is designed for versatile placement, suitable for both home use and travel. It can be wall-mounted or placed freestanding on a flat surface.

- **Wall Mounting:** The device comes with an integrated mounting bracket and screws. Choose a location according to local regulations and manufacturer guidelines (typically near combustion appliances but not directly above them, and at breathing height). Mark the screw positions, drill pilot holes, insert wall plugs if necessary, and secure the bracket. Slide the detector onto the bracket.

- **Freestanding:** For portable use or temporary placement, the detector can stand on its own. Place it on a stable, flat surface where it will not be easily knocked over.

Figure 4: The FA6813 detector shown in a travel context, highlighting its portability and integrated mounting support for optional wall installation.

5. OPERATING INSTRUCTIONS

5.1 Normal Operation

Once batteries are installed, the device will perform a self-test and then enter normal monitoring mode. A small LED indicator may flash periodically to confirm it is active and monitoring.

5.2 Test Button Functionality

The large test button on the front of the detector serves multiple purposes:

- **Safety Test:** Press the test button briefly to verify the proper functioning of the detector. A loud, sharp audible signal and 4 flashes of the red LED will confirm the alarm is working correctly. Perform this test regularly (e.g., weekly or monthly).

- **Sound Level Adjustment (Sound Test):** Hold the test button down to cycle through different sound levels for the test alarm, allowing you to choose a comfortable volume.

5.3 Alarm Indications

When dangerous levels of carbon monoxide are detected, the FA6813 will alert you with:

- **Audible Alarm:** 4 loud beeps (85 dB(A) at 3 meters).
- **Visual Alarm:** A flashing red "CO" LED indicator.

5.4 Low Battery Indication and Sleep Easy™ Function

When the batteries are low, the device will indicate this with:

- **Visual Indication:** A flashing orange "!" LED symbol.
- **Audible Indication:** An audible beep.

To temporarily silence the low battery alert for 8 hours, press the test button. This activates the **Sleep Easy™** mode, allowing you to silence the low battery beep, while the orange LED continues to flash as a reminder to replace the batteries.

Figure 5: The FA6813 detector with its components, illustrating the advanced electrochemical sensor, Sleep Easy™ function, LED indicators, and sound amplification feature.

6. MAINTENANCE

6.1 Battery Replacement

When the low battery indicator (flashing orange LED and beep) activates, it is time to replace the batteries. Follow the battery installation steps outlined in Section 4.1. Always use new, high-quality AA alkaline batteries.

6.2 Regular Testing

It is crucial to test your CO detector regularly, at least once a week or monthly, by pressing the test button. This ensures the alarm and its internal circuitry are functioning correctly.

6.3 Cleaning

Clean the exterior of the detector periodically with a soft, damp cloth. Do not use cleaning solvents or polishes, as these can damage the unit or interfere with the sensor's operation. Do not paint the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm sounds (4 beeps, red LED)	Carbon monoxide detected.	Follow the "In Case of a CO Alarm" procedure (Section 2). Do not ignore the alarm.
Orange LED flashes and unit beeps periodically	Low battery warning.	Replace both AA batteries immediately. Use the Sleep Easy™ function if needed to silence for 8 hours.
Test button does not activate alarm	Batteries are dead or incorrectly installed; unit malfunction.	Check battery installation and replace if necessary. If problem persists, the unit may need replacement.
Unit does not power on	Batteries are dead or incorrectly installed.	Ensure batteries are new and inserted with correct polarity.

8. SPECIFICATIONS

Feature	Detail
Model Number	FA6813-EUX10
Manufacturer	FireAngel
Dimensions (L x W x H)	12.3 x 7.3 x 3.55 cm (approx. 5 x 12.3 x 8 cm from other spec)
Weight	141 Grams
Color	White
Power Source	2 x AA Alkaline Batteries (included)
Sensor Type	Electrochemical
Alarm Loudness	85 dB(A) at 3 meters
Operating Humidity	25 to 95% relative humidity
Sensor Life	10 years

Figure 6: The compact design of the FA6813, illustrating its dimensions and weight.

9. WARRANTY AND SUPPORT

FireAngel is committed to providing high-quality safety products. For any questions, technical assistance, or warranty claims, please contact your supplier or refer to the FireAngel official website for support information. Regular maintenance and adherence to the instructions in this manual will help ensure the longevity and proper functioning of your CO detector.

Figure 7: FireAngel's commitment to protecting and improving lives through advanced and innovative technology.

Documents - Fireangel – FA6813-EUX10
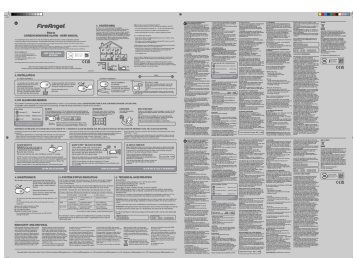
[FireAngel FA6813 Carbon Monoxide Alarm User Manual](#)

Comprehensive user manual for the FireAngel FA6813 Carbon Monoxide Alarm, covering installation, operation, maintenance, troubleshooting, and safety information.

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