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› FireAngel CO-9XT-FF Carbon Monoxide Alarm User Manual

Fireangel CO-9X-10T-FF

FireAngel CO-9XT-FF Carbon Monoxide Alarm User Manual

Model: CO-9X-10T-FF | Brand: FireAngel

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your FireAngel CO-9XT-FF Carbon Monoxide Alarm. This device is designed to detect carbon monoxide (CO) gas and alert you to its presence, helping to protect you and your family from the dangers of CO poisoning. Please read this manual thoroughly before using the alarm and retain it for future reference.

SAFETY INFORMATION

Carbon monoxide is a colorless, odorless, and tasteless gas that can be fatal. This alarm is designed to detect carbon monoxide gas from any source of combustion. Adhere to the following safety guidelines:

- Do not paint the alarm, as this can block the sensor and interfere with its operation.
- Do not obstruct the alarm's vents, as this can prevent CO from reaching the sensor.
- Regularly test the alarm as per the instructions in this manual to ensure it is functioning correctly.
- This alarm is not a substitute for proper installation, use, and maintenance of fuel-burning appliances, including ventilation and exhaust systems.
- In case of an alarm, ventilate the area immediately and contact emergency services or a qualified technician.

PRODUCT OVERVIEW

The FireAngel CO-9XT-FF Carbon Monoxide Alarm features an advanced electrochemical sensor for accurate CO detection. It includes clear LED indicators for power, fault, and alarm status, along with a convenient test/reset button.



Figure 1: Front view of the FireAngel CO-9XT-FF Carbon Monoxide Alarm, highlighting the central test/reset button and the Power, Fault, and Alarm LED indicators.



Figure 2: Angled view of the FireAngel CO-9XT-FF Carbon Monoxide Alarm, showing its compact design.



Figure 3: Side profile of the FireAngel CO-9XT-FF Carbon Monoxide Alarm, illustrating its slim form factor.



Figure 4: Exploded view of the FireAngel CO-9XT-FF Carbon Monoxide Alarm, showing internal components such as the circuit board and sensor.

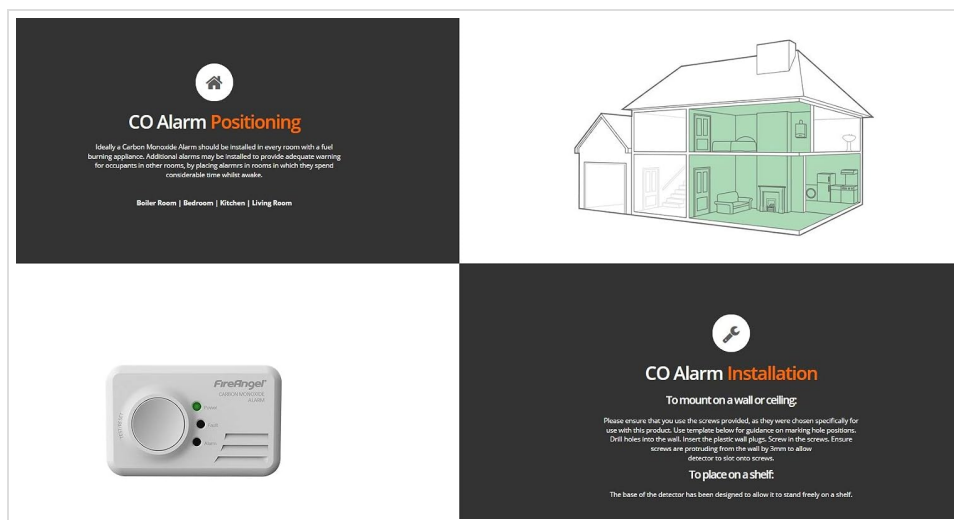


Figure 5: Visual guide for optimal CO alarm placement within a home and instructions for wall or ceiling mounting, as well as freestanding placement.

SETUP AND INSTALLATION

Choosing a Location

Ideally, a carbon monoxide alarm should be installed in every room with a fuel-burning appliance and in rooms where occupants spend considerable time while awake. Additional alarms may be installed to provide adequate warning.

- Recommended locations include: Boiler Room, Bedroom, Kitchen, Living Room.
- Avoid placing near vents, windows, or areas with high humidity, as these can affect sensor accuracy.

Mounting the Alarm

The alarm can be mounted on a wall or ceiling, or placed freestanding on a shelf.

To mount on a wall or ceiling:

1. Ensure the screws provided with the alarm are used for secure mounting.
2. Use the template (if provided in the packaging) for accurately marking hole positions on the wall or ceiling.
3. Drill holes into the marked positions.
4. Insert the plastic wall plugs into the drilled holes.
5. Screw in the screws, ensuring they protrude from the wall by approximately 3mm to allow the detector to slot securely onto them.

To place on a shelf:

The base of the detector is designed to allow it to stand freely and stably on any flat surface, such as a shelf or table.

Activating the Battery

The device features a 10-year sealed-for-life lithium battery. To activate the alarm, pull the battery activation tab (if present) or follow the specific activation instructions provided on the device or its packaging. Once activated, the green Power LED should begin to flash.

OPERATION

LED Indicators

Indicator	Status	Description
Power (Green LED)	Flashes every 45 seconds	Indicates the alarm is powered on and functioning correctly.
Fault (Amber LED)	Flashes	Indicates a fault with the alarm. Refer to the troubleshooting section for solutions.
Alarm (Red LED)	Flashes rapidly with audible alarm	Indicates carbon monoxide has been detected at dangerous levels.
End of Life (Amber LED)	Flashes twice every 45 seconds	Indicates the alarm has reached the end of its operational life (7 years). The unit must be replaced immediately.

Alarm Conditions

When carbon monoxide is detected at dangerous levels, the alarm will sound a loud siren (typically 85 dB at 3 meters) and the red LED will flash rapidly.

What to do if the alarm sounds:

1. Immediately move to fresh air outdoors or open all doors and windows to ventilate the area thoroughly.
2. Turn off all fuel-burning appliances (e.g., boiler, gas cooker, fireplace).
3. Do not re-enter the premises until the alarm has stopped and the area has been thoroughly ventilated.
4. Seek medical attention for anyone experiencing symptoms of CO poisoning (headache, nausea, dizziness, fatigue).
5. Contact a qualified technician to investigate the source of CO and ensure it is safe to re-enter the property.

TESTING THE ALARM

It is recommended to test your carbon monoxide alarm weekly to ensure proper functionality and to familiarize yourself with the alarm sound.

1. Press and hold the "Test/Reset" button located on the front of the alarm.
2. The alarm will sound a loud siren (a series of beeps) and the red LED will flash, indicating the alarm is working correctly.
3. Release the button. The alarm should stop sounding.

If the alarm does not sound during testing, refer to the troubleshooting section immediately.

MAINTENANCE

Cleaning

Clean the alarm regularly to prevent dust and debris from accumulating and affecting its performance. A clean alarm ensures accurate readings and reliable operation.

- Use a soft, slightly damp cloth to wipe the exterior of the alarm.
- Do not use cleaning solvents, chemicals, or abrasive cleaners, as these can damage the sensor or casing.
- Do not paint the alarm.

Battery Information

The FireAngel CO-9XT-FF features a sealed-for-life lithium battery designed to last for the entire 7-year lifespan of the alarm. The battery is not replaceable. When the alarm reaches its end of life, it will indicate this with a specific amber LED flash pattern (see LED Indicators table) and the entire unit must be replaced.

TROUBLESHOOTING

If you encounter any issues with your FireAngel CO-9XT-FF Carbon Monoxide Alarm, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Alarm does not sound during test.	Battery not activated or unit faulty.	Ensure the battery activation tab is fully pulled. If still no response, the unit may be faulty and needs replacement.
Amber Fault LED flashes.	Internal fault or end of life.	If the amber LED flashes twice every 45 seconds, the unit has reached its end of life and needs replacement. Otherwise, contact FireAngel customer support.
False alarms.	Dust accumulation, high humidity, or proximity to combustion sources (e.g., cooking fumes, steam).	Clean the alarm regularly. Relocate the alarm if it is too close to sources of steam, cooking fumes, or direct exhaust. Ensure proper ventilation in the area.

For issues not listed or if problems persist, please contact FireAngel customer support for further assistance.

SPECIFICATIONS

Key technical specifications for the FireAngel CO-9XT-FF Carbon Monoxide Alarm:

- **Model:** CO-9X-10T-FF
- **Sensor Type:** Advanced Electrochemical
- **Product Life Span:** 7 years
- **Battery Life:** 10 year sealed for life Lithium Battery (non-replaceable)
- **CO Sensitivity Level:** 50Ppm
- **Dimensions:** 4.57 x 11.68 x 14.22 cm
- **Weight:** 30 g
- **Certifications:** BS EN50291-1: 2010+A1: 2012 & BS EN50291-2: 2010
- **Power Source:** Battery Powered
- **Included Components:** Carbon Monoxide Alarm

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

FireAngel products are designed for reliability and performance. For detailed warranty information and technical support, please refer to the official FireAngel website or contact their customer service department directly.

Manufacturer: FireAngel Safety Technology Ltd

Website: www.fireangel.co.uk

Contact: Refer to the manufacturer's website for the most up-to-date contact information, including phone numbers and email addresses.