

## FireAngel FA6120-INT

# FireAngel FA6120 Optical Smoke Alarm User Manual

Model: FA6120-INT

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your FireAngel FA6120 Optical Smoke Alarm. The FA6120 is designed for early detection of slow-burning fires, featuring an advanced optical sensor and a sealed 10-year battery for continuous protection. It serves as a direct replacement for older FireAngel ST-622/ST-620 models.

## 2. PRODUCT OVERVIEW

The FireAngel FA6120 is a compact, optical smoke alarm engineered for reliable home fire safety. Its key features include:

- **Optical Sensor:** Detects smoke from slow-burning fires, reducing false alarms from cooking fumes.
- **10-Year Sealed Battery:** Provides continuous power for the entire lifespan of the alarm, eliminating the need for battery replacement.
- **Test/Silence Button:** Allows for easy testing of the alarm's functionality and temporary silencing of nuisance alarms or low battery warnings.
- **Sleep Easy™ Function:** Temporarily silences low battery warnings for 8 hours, ideal for nighttime alerts, while maintaining smoke detection capability.



**Figure 1:** Front view of the FireAngel FA6120 Optical Smoke Alarm, showing the central test/silence button and FireAngel branding.

### 3. SAFETY INFORMATION

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Your safety is paramount. Please adhere to the following guidelines:

- The FA6120 smoke detector is CE marked and certified to EN 14604:2005+AC:2008 standards, and carries the Q-label, ensuring high safety and performance.
- The integrated battery is sealed and non-replaceable. Do not attempt to open the unit or replace the battery.
- Avoid placing the alarm near bathrooms or kitchens, as steam and cooking fumes can trigger nuisance alarms.
- Regularly test your smoke alarm as described in the Operating Instructions section.

### 4. SETUP AND INSTALLATION

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The FireAngel FA6120 is designed for easy installation. Follow these steps to properly mount your smoke alarm:

1. **Choose Location:** Select a suitable location on the ceiling, ensuring it is at least 300 mm (12 inches) away from luminaires (light fixtures) and walls. Smoke alarms are suitable for habitable recreational vehicles. Do not install in kitchens or bathrooms due to potential nuisance alarms from steam or cooking fumes.
2. **Mount Base Plate:** Use the provided screws (not supplied with the alarm, typically standard mounting screws) to fix the removable base plate securely to the ceiling. The base plate is identical to that of the ST622 model, allowing for easy replacement.
3. **Attach Alarm:** Once the base plate is mounted, push the smoke alarm onto the base plate and turn it clockwise until it clicks firmly into place.

## Installation facile



- Équipé d'une plaque de base amovible
- Fixez la plaque de base au plafond
- Poussez et tournez l'alarme dans le sens des aiguilles d'une montre pour la fixer sur la plaque de base

**Figure 2:** Visual guide for installing the FireAngel FA6120, showing the removable base plate and the twist-on attachment method.

# Consignes pour le positionnement



Les détecteurs de fumée doivent être placés à au moins 300 mm des luminaires et des murs



Adapté aux véhicules de loisirs habitables



Dimensions : 118,1 x 31,5 mm



Ne convient pas aux cuisines ni salles de bains

**FireAngel**

Figure 3: Illustration of recommended placement, indicating a minimum distance of 300mm from walls and light fixtures, suitability for RVs, and unsuitability for kitchens/bathrooms.

## 5. OPERATING INSTRUCTIONS

Understanding how to operate your smoke alarm ensures its effectiveness.

### 5.1. Testing the Alarm

To ensure your alarm is functioning correctly, press and hold the large central Test/Silence button. A loud alarm sound will confirm its proper operation. Test your alarm weekly.

### 5.2. Silencing Nuisance Alarms

In the event of a false alarm (e.g., from cooking fumes or steam), press the Test/Silence button to temporarily silence the alarm for 10 minutes. Ensure the cause of the false alarm is identified and resolved.

### 5.3. Sleep Easy™ Function

If a low battery alert sounds during the night, you can activate the Sleep Easy™ function. Press the Test/Silence button to silence the low battery chirp for 8 hours. The red LED will continue to flash, indicating the low battery status. The alarm will still detect smoke during this period. Remember to replace the alarm

within 30 days of the first low battery alert, as the battery is sealed and non-replaceable.

## 6. MAINTENANCE

Proper maintenance helps ensure the longevity and reliability of your smoke alarm.

- **Weekly Testing:** Test your smoke alarm weekly by pressing the Test/Silence button.
- **Cleaning:** Gently vacuum the alarm's casing once a month using a soft brush attachment to remove dust and cobwebs. Do not use cleaning solvents or sprays.
- **Battery:** The alarm features a sealed 10-year lithium battery that does not require replacement. When the alarm reaches the end of its 10-year lifespan or consistently indicates a low battery, the entire unit must be replaced.

## 7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Alarm sounds intermittently or for no apparent reason.	Nuisance alarm from steam, cooking fumes, or dust.	Press the Test/Silence button to silence for 10 minutes. Clean the alarm. Relocate if consistently triggered by environmental factors.
Alarm chirps periodically (e.g., every 30-60 seconds).	Low battery warning.	If at night, use Sleep Easy™ function. Replace the entire alarm unit within 30 days.
Alarm does not sound when Test button is pressed.	Alarm malfunction or end of life.	Ensure the alarm is correctly mounted. If still unresponsive, replace the unit immediately.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	FA6120-INT
Brand	FireAngel
Sensor Type	Optical
Power Source	Sealed Lithium Battery (1 CR123A equivalent)
Battery Life	10 Years (non-replaceable)
Alarm Sound Level	85 dB(A) at 3 meters
Dimensions (H x D)	3.15 cm x 11.81 cm
Weight	138 Grams
Material	Plastic

Feature	Detail
Certifications	CE, EN 14604:2005+AC:2008, Q-label
Included Components	1 x Baseplate, 1 x Instruction Manual, 1 x Optical Smoke Alarm with Sealed Lithium Battery

## 9. WARRANTY AND SUPPORT

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The FireAngel FA6120 Optical Smoke Alarm comes with a 1-year availability for spare parts, as per EU regulations. For specific warranty details, technical support, or further assistance, please refer to the contact information provided in the packaging or visit the official FireAngel website. Always ensure you have your model number (FA6120-INT) ready when contacting support.