



0905-CPR-00649  
EN 14604:2005 +AC:2008  
Smoke alarm devices  
DoP: FSTDOP19005

# FireAngel®

## SB1 OPTICAL SMOKE ALARM USER MANUAL

UK  
CA 21

0359  
EN 14604:2005 +AC:2008  
Smoke alarm devices  
DoP: FSTDOP21005

### Technical Support

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Note: This user manual is also available in large text and other formats. Email: [technicalsupport@fireangeltech.com](mailto:technicalsupport@fireangeltech.com) or call 0330 094 5830 for further information.

GN5040R7

Optical smoke alarms are suitable for detecting slow smouldering fires. Like other smoke alarms, they can be subject to nuisance alarms from steam and should not be placed near bathrooms.

For the earliest warning, we recommend smoke alarms are fitted in all rooms where the temperature is between 0°C (32°F) and 40°C (104°F). Prolonged exposure to temperatures outside those stated above will reduce product life.

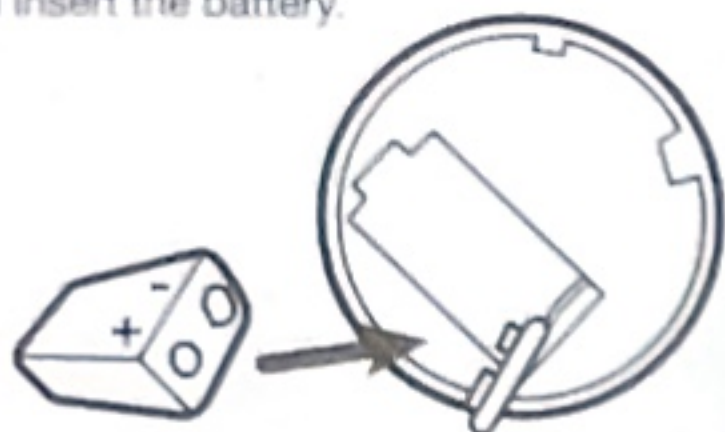
Check with local building and fire regulations for your property, to ensure compliance.

This smoke alarm is suitable for use in mobile homes and caravans. This smoke alarm is not intended for any non-residential, commercial or industrial application, nor for any other purpose than described.

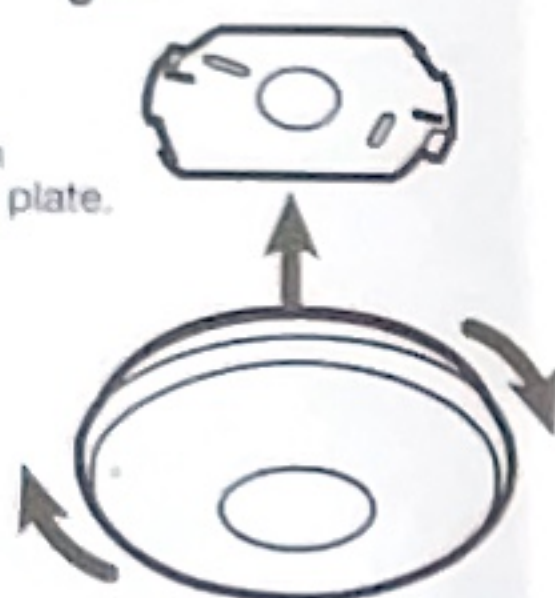
**WARNING:** Experience has shown that children may not be woken by fire alarm tones. It is important that children are never left alone in a house. Families should have a fire escape plan that is rehearsed, so that everyone knows how to escape when fire occurs. The immediate priority when fire occurs is to ensure that any sleeping children are woken from sleep and are immediately taken to a place of safety outside the property, along with all other occupants. The fire and rescue service should always be called without delay, no matter how small the fire.

## 2. INSTALLATION

- 2a** Remove the base plate from the alarm by twisting it anti-clockwise and insert the battery.



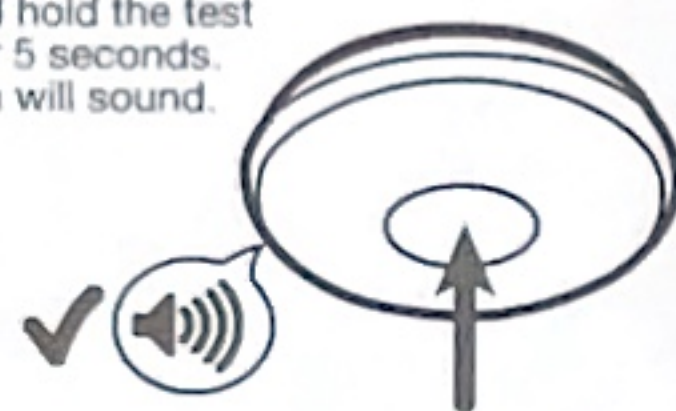
- 2c** Push and twist the alarm clockwise onto the base plate.



- 2b** Fit the baseplate to ceiling using the screws provided.



- 2d** **ALARM TEST:** Press and hold the test button for 5 seconds. The alarm will sound.



The red operational LED on the front of the alarm should flash behind the plastic surface once every 32 seconds (approx.) to show that the alarm is active.

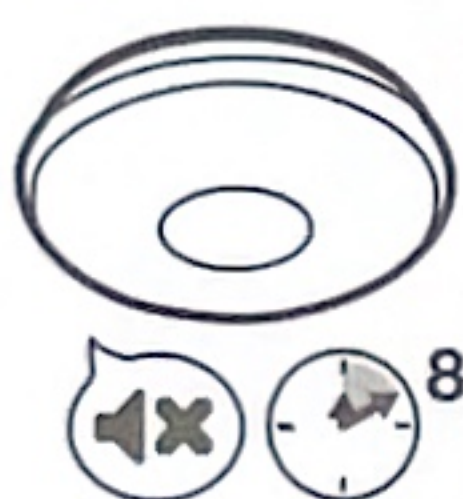
## 4. SILENCE FEATURE

In a known false alarm, the alarm can be silenced temporarily.

- 4a** Press and hold the test button for 5 seconds.



- 4b** The alarm will silence for 8 minutes.



Smoke alarms can react to cooking fumes or other non emergency situations. Your alarm features 'Silence' technology. In the event of a known false alarm you can temporarily silence it by pressing the test button. The red operational LED on the front of the alarm will flash behind the plastic surface once every 8 seconds to show that it is in Silence mode. Your alarm will automatically return to full sensitivity after 8 minutes. The alarm will sound continuously and the Red operational LED flashes behind the plastic surface every second when the alarm senses smoke.

**NEVER IGNORE ANY ALARM.** If an alarm is sounding, it is warning you of a potentially hazardous situation. Do not ignore it. Ignoring the alarm may result in injury or death. If your smoke alarm activates and you are not absolutely certain of the source of smoke, get everyone out of the house immediately.

## TROUBLESHOOTING GUIDE

If your smoke alarm does not sound during testing:

- Check that your battery is connected.
- If testing after first installation, allow a few seconds for the alarm to settle.
- Push and hold the centre of the test button firmly.
- If the alarm has been silenced and is in low sensitivity mode it may not test. Wait 15 minutes then try again.
- Replace the battery.

If your smoke alarm activates when no smoke is visible:

- Check the location of your smoke alarm.
- Clean the smoke alarm.

If your smoke alarm sounds unusual or 'chirps' intermittently:

- Check the location of your smoke alarm.
- Clean the smoke alarm.
- Check that your smoke alarm is definitely the source of the chirping; make sure the noise isn't coming from another alarm.

If you experience frequent unwanted alarms:

- Check the location of your smoke alarm.
- Clean the smoke alarm.

FireAngel Safety Technology Limited. Email: (UK) [technicalsupport@fireangeltech.com](mailto:technicalsupport@fireangeltech.com), (DE) [technik@fireangeltech.com](mailto:technik@fireangeltech.com), (FR) [supporttechnique@fireangeltech.com](mailto:supporttechnique@fireangeltech.com), (NL) [klantenservice@fireangeltech.com](mailto:klantenservice@fireangeltech.com), (INT) [internationalsupport@fireangeltech.com](mailto:internationalsupport@fireangeltech.com)

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## 1. POSITIONING

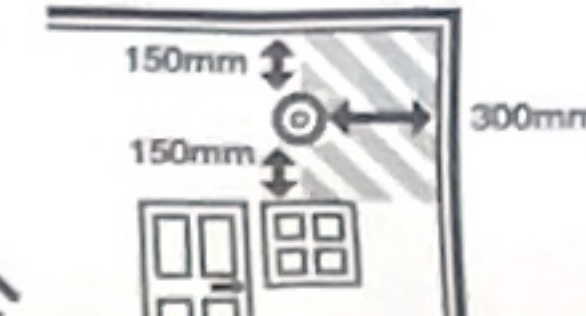
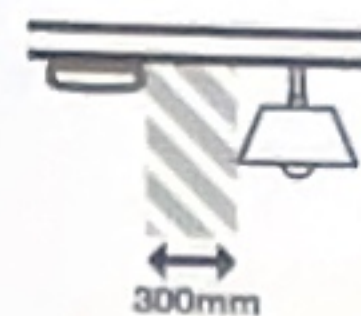


Your smoke alarm is suitable for the landing, hallway, bedroom, living room and dining room.

This smoke alarm is suitable for use in mobile homes and caravans. This smoke alarm is not intended for any non-residential, commercial or industrial application, nor for any other purpose than described.

Smoke alarms should be sited at least 300mm from light fittings and walls. Ideally as central as possible in the room. Smoke alarms should be positioned at no more than 600mm vertically below the highest point in the room.

If positioning your smoke alarm on the wall, the top of the detection element must be between 150mm and 300mm below the ceiling, and at least 300mm from any neighbouring wall.

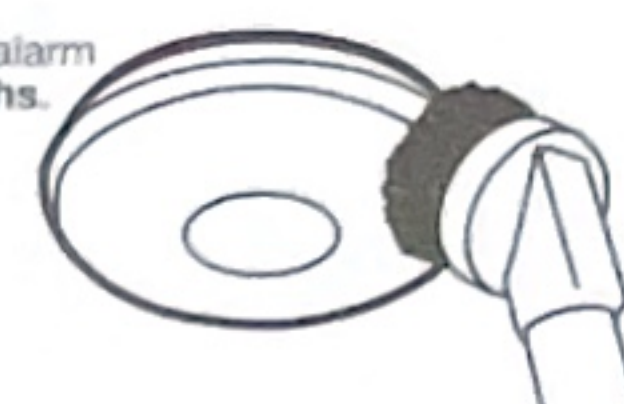


## 3. MAINTENANCE

- 3a** Test the alarm every month.



- 3b** Vacuum your alarm every 3 months.



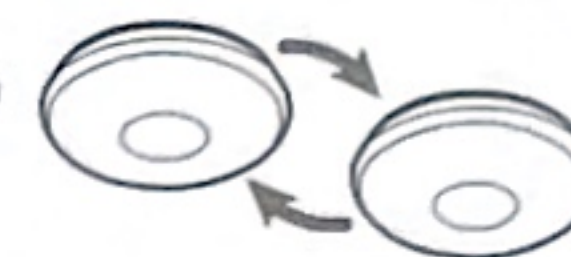
- 3c** Do not use cleaners or solvents.



- 3d** Do not paint the alarm.



- 3e** Replace the alarm every 10 years



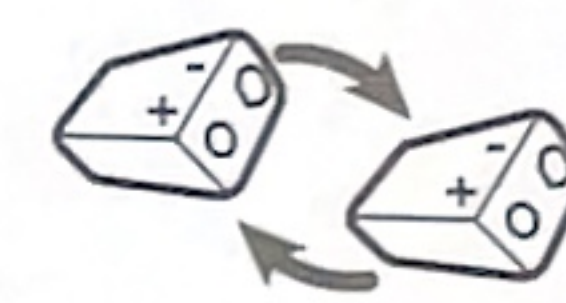
Do not use any other test method except the process described in this manual. Do not tamper with the alarm as this could cause electric shock or malfunction.

## 5. LOW BATTERY WARNING

- 5a** When the alarm battery is low, the alarm will 'chirp' and the Red operational LED will flash once every 32 seconds behind the plastic surface.



- 5b** Replace the battery immediately.



- 5c** Always test the alarm after replacing the batteries.



Your alarm requires 1 x 9V (PP3) battery. Under normal use, the battery should last approximately one year. Use of a battery other than those recommended here may have a detrimental effect on the alarm: DC9V Gold Peak GP1604S, Raymax 6F22.

## 6. FAULT INDICATION

- 6a** If there is a fault, the alarm will 'chirp' every 32 seconds followed by 2 Red operational LED flashes behind the plastic surface.



- 6b** If the alarm is still within warranty, contact Technical Support.



## WARRANTY AND DISPOSAL

FireAngel Safety Technology Limited warrants that its enclosed smoke alarm be free from defects in materials and workmanship under normal residential use and service for a period of 3 (three) years from the date of purchase (not including the replaceable battery). Provided product is sent back to FireAngel Safety Technology Limited with proof and date of purchase, FireAngel Safety Technology Limited hereby warrants that during the 3 (three) year period commencing from the date of purchase FireAngel Safety Technology Limited, at its discretion, agrees to replace the unit free of charge. The warranty on any replacement SB1 alarm, will last for the remainder of the period of the original warranty in respect of the alarm originally purchased - that is from the date of original purchase and not from the date of receipt of the replacement product. FireAngel Safety Technology Limited reserves the right to offer an alternative product similar to that being replaced if the original model is no longer available or in stock. This warranty applies to the original retail purchaser from the date of original retail purchase and is not transferable. Proof of purchase is required.

This warranty does not cover damage resulting from accident, misuse, disassembly, abuse or lack of reasonable care of the product, or applications not in accordance with the user manual. It does not cover events and conditions outside of FireAngel Safety Technology Limited's control, such as Acts of God (fire, severe weather etc.). It does not apply to retail stores, service centres or any distributors or agents. FireAngel Safety Technology Limited will not recognise any changes to this warranty by third parties.

FireAngel Safety Technology Limited shall not be liable for any incidental or consequential damages caused by the breach of any expressed or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration for 3 (three) years.

This warranty does not affect your statutory rights. Except for death or personal injury, FireAngel Safety Technology Limited shall not be liable for any loss of use, damage, cost or expense relating to this product or for any indirect, or consequential loss, damages or costs incurred by you or any other user of this product.

### DISPOSAL

Waste electrical products should not be disposed of with your other household waste. The alarm is ideally suited for disposal within the waste electronic and electrical equipment (WEEE) recycling scheme.

Please recycle where facilities exist. Check with your local authority, retailer or contact our Technical Support team for recycling/disposal advice as regional variations apply. The batteries should be removed before disposal of the detector. Both the batteries and the detector should be disposed of in line with current regulations.

Do not attempt to open. Do not burn.