

User Manual

FireAngel[®]

Smoke Alarm
with Escape Light

THERMOPTEK[®]

Model
ST-623E



0086-CPR-676744
EN 14604:2005 +AC:2008
Smoke Alarm Device
DoP: SAFLDOP-ST-623E-01



BS EN 14604:2005
+AC:2008
KM 676743

GN4590R1
ST-623E



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Note: This user manual is also available in large text and other formats. Please email: **technicalsupport@sprue.com** or call **0800 141 2561** for further information.

FEATURES

- ThermoptekTechnology - a faster response to slow burning and fast flaming fires.
- Escape Light - a powerful light to illuminate your escape route.
- Battery Operated.
- Sleep Easy - silence the low battery chirp for 10 hours.
- Alarm Smart Silence - silence your smoke alarm by momentarily pressing the test button, ideal for nuisance alarms.
- Test Button - test the sounder, sensitivity, circuitry and battery.
- Operating Light (RED) - flashes approximately every 45 seconds confirming alarm is powered.
- Low Battery Warning - 'beeps' approximately every 45 seconds for at least 30 days when the battery needs replacing.
- Loud 85 Decibel Piezo Electric Alarm - automatically resets when hazardous condition has passed.
- Suitable for leisure accommodation vehicles (LAV)
- Easy Installation - fixings supplied.

IMPORTANT: This user manual contains important information regarding the operation of your smoke alarm. Ensure you read this user manual fully before installing and operating the alarm. If you are installing this smoke alarm for use by others, you must leave this manual with the end user.

THERMOPTEK MULTI-SENSOR TECHNOLOGY

Thermoptek alarms are “toast-proof” meaning they can be positioned in areas close to kitchens that may be affected by cooking fumes. Heat alarms should be used in kitchens where required.

This combines an optical sensing chamber with thermal enhancement. The alarm is effective at detecting slow burning fires, and constant monitoring of temperature changes enables the sensitivity of the alarm to be instantly increased thereby quickening the typical response time to fast flaming fires significantly.

ESCAPE LIGHT

Your smoke alarm is fitted with an ultra bright LED to illuminate your escape route and provide a visual reference of your position within the home. To assist visibility in an emergency it is recommended that the alarm is positioned in a stairwell or hallway for a swift and safe evacuation.

The LED will last the lifetime of the alarm and have no negative effect on the life of the batteries.

POSITIONING

WARNING: Your smoke alarm can be installed into a new build property as additional protection to an existing smoke

detection system only. It cannot be used as a substitute for a hard wired system as required in new build properties. In this type of property the building regulations require alarms to be interlinked. You can obtain further information from your local fire service or building control department at your local council offices. These sources generally provide advice on new builds or projects that require planning permission.

Your smoke alarm typically meets the minimum requirements for family living units in existing buildings, as long as at least one unit is installed on each floor/level of your property.

In order to achieve the earliest fire warning, we recommend that a smoke alarm is fitted in all rooms where the temperature is normally between 4°C (40°F) and 38°C (100°F).

This alarm is particularly useful for locations such as stairs and exit routes where the Escape Light will illuminate your escape route.

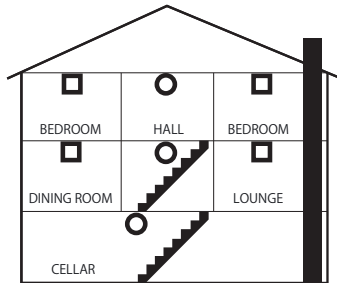
WARNING: The alarm positions shown are based on typical homes. Construction and layout of individual dwellings will vary, so this should be regarded only as a guide. Check with your local fire station for further guidance.

Smoke alarms should be sited at least 300mm from light fittings and walls. Ideally as central as possible 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 a wall.

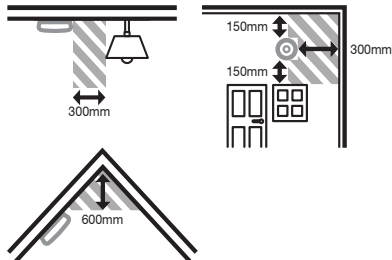
Smoke alarms should be positioned at no more than 600mm vertically below the highest point in the room.



EXISTING HOMES

-  MINIMUM RECOMMENDATIONS
-  RECOMMENDED FOR ADDITIONAL PROTECTION

NOTE: Kitchens should be covered by a self contained heat detector.



Multi-family or mixed occupant residence (Tenancy building, student accommodation)

Your smoke alarm can also be used in individual flats and bedsits, providing the same conditions are met as for a single-family residence. However, there must already be a primary fire detection system that meets regulatory requirements for common areas such as lobbies and hallways.

Institutions and Hotels

This includes motels, hospitals, day care facilities, long-term health care facilities, boarding houses and dormitories. Your smoke alarm can be used in individual sleeping/resident rooms, providing the same conditions are met as for a single-family residence. However, there must already be a primary fire detection system that meets regulatory requirements for common areas such as lobbies and hallways. Use of this smoke alarm in common areas may not provide sufficient fire warning to residents or meet regulatory requirements. This smoke alarm is designed to operate as a standalone smoke alarm.

WARNING: This smoke alarm will not communicate with other smoke alarms or fire alarm systems. It is not intended as a substitute for a complete alarm system.

Mobile Homes and Caravans

This smoke alarm is suitable for use in mobile homes and caravans.

Commercial and Industrial Premises

This smoke alarm is not intended for any non-residential, commercial or industrial application, nor for any other purpose than described above.

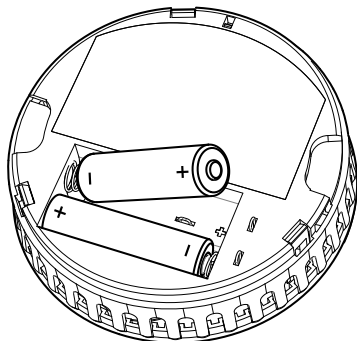
HOW TO INSTALL YOUR ALARM

IMPORTANT: Make sure you have read and understood this manual before installing your smoke alarm.

1. Install Batteries

IMPORTANT: Before fitting your smoke alarm, the batteries must be installed. Remove the protective wrapper from the batteries.

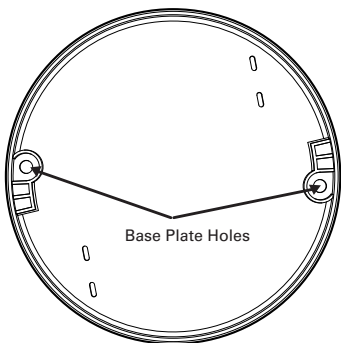
Insert the batteries provided into the back of the smoke alarm as shown, making sure that the positive and negative connections are in the correct position.



The red LED on the front of the alarm will soon start flashing once every 45 seconds to show that the alarm is activated.

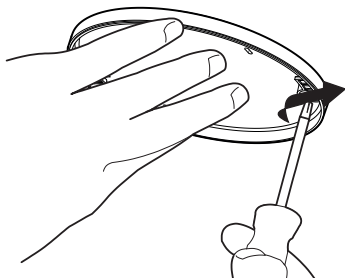
Caution: The sounder is designed to be very loud in order to wake you. Once the batteries are installed, the test button on the front of the alarm will be active. Avoid placing the alarm close to your ear when installing the batteries in case you press the test button.

2. Fitting the Base Plate



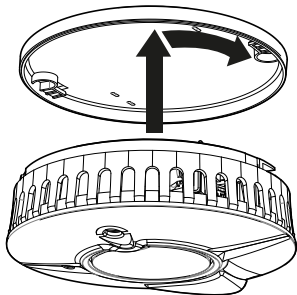
Use the fixing holes on the base plate as a guide when marking the position of the drill holes. With an appropriately sized drill, drill the holes and insert the plastic fixing anchors supplied (if needed).

Fit the base plate to the ceiling or wall using the screws provided.



3. Fit Your Smoke Alarm

Hold the alarm up to the base plate and push and rotate the alarm clockwise into position as shown. Make sure that the unit is securely fitted.



4. Test Your Smoke Alarm

After fitting your alarm to the base plate, wait for 5 seconds for the alarm to settle then test the alarm: see 'Alarm Test'.

BATTERY REPLACEMENT

IMPORTANT: Only the following batteries can be used for replacement. Use of a battery other than those recommended below may have a detrimental effect on the alarm's operation.

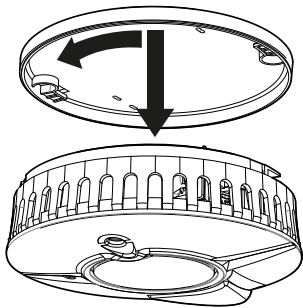
AA Alkaline type:

Energizer E91

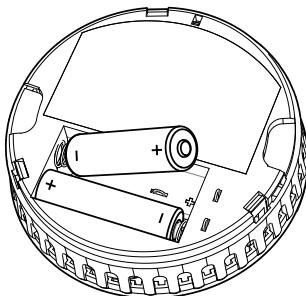
Duracell MN1500

Panasonic ProPower LR6

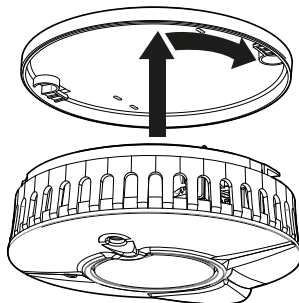
Remove the alarm from its base plate by turning anti-clockwise and pulling gently.



Remove the existing batteries and replace with new batteries from the recommended list making sure that the positive and negative connections are in the correct position.

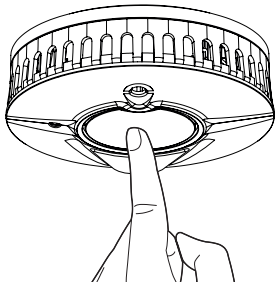


Hold the alarm up to the base plate and push and rotate the alarm clockwise into position as shown. Make sure that the unit is securely fitted.



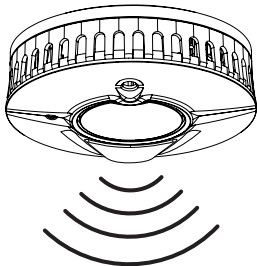
After fitting your alarm to the base plate, wait for 5 seconds for the alarm to settle then test the alarm.

ALARM TEST

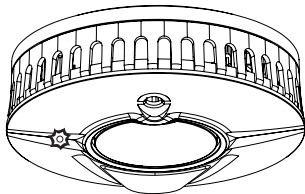


The alarm should be attached to the base plate and tested in its installed position.

- a** Press the test button in the centre and release.



- b** The unit's Escape Light will illuminate and it will sound an audible alarm consisting of 2 cycles of 3 loud beeps, then stop automatically.



- c** The red LED on your alarm will flash rapidly during the audible signal.

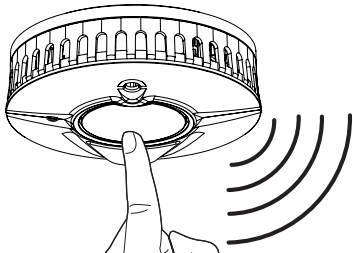
NOTE: The test button accurately tests the alarm's smoke sensing circuit, there is no need to test your alarm with smoke. If your smoke alarm fails to give an audible test signal, please refer immediately to 'Troubleshooting' at the end of this manual.

ALARM SMART SILENCE™

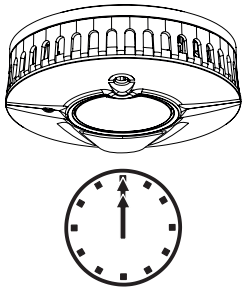
DANGER: If your smoke alarm emits the full alarm signal and you are not testing the unit, the smoke alarm is warning you of a potentially dangerous situation that requires your immediate attention. Only use the alarm silence function after making sure that there is no ongoing fire emergency situation. Do not block the vents on the alarm or disable the smoke alarm in any way, as this will remove your protection. Smoke alarms can sometimes react to cooking fumes or other non emergency situations. Your smoke alarm features "Smart Silence" technology. In

the event of a known false alarm your smoke alarm can be temporarily silenced by pressing the central test button. Your alarm will automatically return to full sensitivity within 10 minutes.

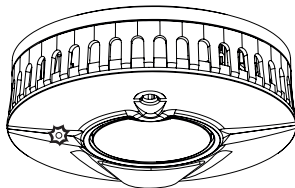
- a** Briefly press and release the test button. The alarm sound will stop and the Escape Light will switch off.



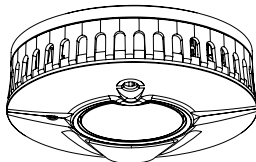
- b** Your alarm will silence and enter into reduced sensitivity mode for approximately 10 minutes.



- c** During the reduced sensitivity mode the red LED on your alarm will continue to flash more rapidly than normal.



- d** Your alarm will automatically return to full sensitivity after 10 minutes and the red LED will revert to flashing once every 40 seconds.



If the level of smoke reaching the alarm is very high the alarm silence will be overridden, meaning the alarm will continue to sound and the Escape Light will continue to illuminate.

DANGER: Never ignore any alarm. Ignoring the alarm may result in injury or death. If your smoke alarm activates and you are not absolutely certain of the source of the smoke, get everyone out of the house immediately.

SLEEP EASY™

Low battery warnings often start at night or when it may be inconvenient to replace your alarm. You can silence the audible chirp for a period of 8 hours by pressing the test button. Your smoke alarm will still detect smoke during this time. It is recommended that you replace your alarm immediately, and certainly within 30 days, as your alarm may have insufficient power to warn you of a real fire situation after this time.

WARNING: Your smoke alarm cannot be silenced if the chirp is indicating a fault. In this instance, the unit should be replaced immediately to ensure protection in the event of a fire.

MAINTENANCE

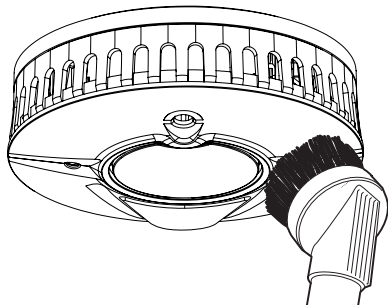
Your smoke alarm has been designed to be as maintenance-free as possible, however there are several things you must do to keep it working properly.

Testing

Test your smoke alarm once every week, see 'Alarm Test'. Any test failures should be reported to the Technical Support Team.

Cleaning

As a minimum your smoke alarm should be cleaned once every 3 months using your vacuum cleaner fitted with the soft brush attachment.



WARNING: Your smoke alarm may false alarm when it is being cleaned using a vacuum cleaner.

Your smoke alarm is a sealed electrical device and no attempt should be made to open the case. Attempting to open the case will invalidate your Warranty.

IMPORTANT: Do not use solvents or cleaners on your smoke alarm, as they may cause damage to the sensor or circuitry. The unit can be wiped with a slightly damp cloth.

CAUTION: Do not paint the smoke alarm as this may block the openings and prevent smoke from entering the sensor.

TROUBLESHOOTING

Problem	Solution
Your smoke alarm does not sound during testing	<ul style="list-style-type: none">• If testing immediately after first activating the alarm or replacing the batteries, you should allow a few seconds for the alarm to settle before testing.• Make sure you push the centre of the test button firmly.• If the unit has been silenced and is in low sensitivity mode it may not test. Wait 15 minutes then try again.• If the alarm has been recently fitted and still fails to self test then contact Technical Support.
Your smoke alarm chirps intermittently	<ul style="list-style-type: none">• Check the location of your smoke alarm (see 'Positioning').• Check that your smoke alarm is definitely the source of chirping; make sure the noise isn't coming from another alarm by process of elimination.
Your smoke alarm activates when no smoke is visible	<ul style="list-style-type: none">• Check the location of your smoke alarm (see 'Positioning').• Clean the smoke alarm (see 'Maintenance').

Problem	Solution
<p>The low battery warning silence chirp does not silence when the test button is pressed</p>	<ul style="list-style-type: none"> • You can only silence the low battery warning chirp for a maximum of 10 times. Replace batteries. If the batteries have been recently fitted, and the alarm is still chirping, contact Technical Support. • If the red LED flashes at a separate time from the chirp, a fault is indicated. • If within warranty contact Technical Support. Otherwise replace immediately.
<p>You experience frequent unwanted alarms</p>	<ul style="list-style-type: none"> • Check the location of your smoke alarm (see 'Positioning'). • Clean the smoke alarm (see 'Maintenance'). • If the frequent unwanted alarms continue contact Technical Support for advice.
<p>The Escape Light does not illuminate when unit is in alarm</p>	<p>If the Escape Light does not illuminate at all when testing or when the unit is in full alarm then contact Technical Support.</p>
<p>If you have any questions about the operation of your alarm, please contact the Technical Support Team between 9am - 5pm Monday – Friday.</p> <p>Telephone: 0800 141 2561 or e-mail: technicalsupport@sprue.com. You can also visit the support section of our website www.fireangel.co.uk</p>	

DISPOSAL

Waste electrical products should not be disposed of with your other household waste. This 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.

Once the batteries are removed, the low battery warning chirp will stop. The batteries should always be removed before disposal.

WARNING: Do not attempt to open. Do not burn.

WARRANTY

Sprue Safety Products Ltd warrants to the original purchaser that its enclosed smoke alarm be free from defects in materials and workmanship under normal residential use and service for a period of 5 (five) years from the date of purchase. This warranty does not cover the batteries which are considered user-replaceable parts. Provided the product is sent back to Sprue Safety products with proof and date of purchase, Sprue Safety Products Ltd hereby warrants that during the 5 (five) year period commencing from the date of purchase Sprue Safety Products Ltd, at its discretion, agrees to replace the unit free of charge. The warranty on any replacement ST-623E 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. Sprue Safety Products Ltd 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 Sprue Safety Products Ltd'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. Sprue Safety Products Ltd will not recognise any changes to this warranty by third parties.

Sprue Safety Products Ltd 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 5 (five) years.

This warranty does not affect your statutory rights. Except for death or personal injury, Sprue Safety Products Ltd 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.

