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Drawing No: GN6659	Title/Description: User Manual	Used On / Used For: FA8620BW-R, FA8720BW-R, FA8922BW-R (GS750 range)	Supplier: Siterwell
Revision: 1			
Drawn By: Draft 9 Hannah B 08/05/2026	Material: Refer to MS0032 or 60GSM Wood Free Paper	Size: W - 420mm / H -297mm	Print Colours: BLACK

Revisions:

R1: Initial Production



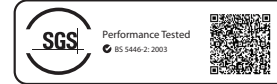
FA8620BW OPTICAL BLUETOOTH SMOKE ALARM
FA8720BW HEAT ALARM, FA8922BW COMBINATION SMOKE
AND HEAT ALARM USER MANUAL

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 and heat alarms are fitted in all rooms where the temperature is between 4°C and 38°C. Prolonged exposure to temperatures outside those stated above will reduce product life.

WARNING: Experience has shown that children may not be woken by smoke 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.

Note: This user manual is also available in large text and other formats.
Please email: technicalsupport@fireangeltech.com or call 0330 094 5830 for further information.

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FA8620BW Smoke Alarm 2531 EN14604:2005 +AC:2008 Smoke alarm devices FSTDOP26004	FA8922BW Smoke & Heat Alarm 2531 EN14604:2005 +AC:2008 Smoke alarm devices FSTDOP26005	FA8720BW Heat Alarm BS 5446-2:2003 26 Heat alarm devices
 	 	 

1. POSITIONING

In which room should the alarm be installed?

Smoke alarms are suitable for the landing, hallway, bedroom, living room and dining room.

Heat alarms are suitable for the kitchen, garage and loft.

This alarm is not intended for any non-residential, commercial or industrial application, nor for any other purpose than described. For the best protection, heat alarms should always be installed as part of a complete fire protection system that includes smoke alarms.

Where in the room should the alarm be installed?

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.

Install heat alarms on the ceiling, ideally in the centre of the room, less than 150mm from the highest point and multi-sensor alarms less than 600mm from the highest point.

Install sufficient alarms to compensate for closed doors and obstacles. Install your heat alarm at a distance no greater than 5.3 m from the farthest wall, no greater than 5.3 m from a door to any room in which a fire might start and no greater than 5.3 m from the next heat or smoke alarm. Locations of alarms must be compliant with either BS 5839: Part 6 or relevant Building Regulations if in any doubt.

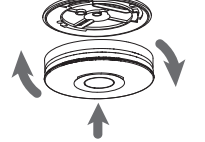
2. INSTALLATION

The alarm must be installed on the base plate to activate the alarm. After activation, the red LED on the front of the alarm should flash once every 40 seconds (approx.) to show that the alarm is active.
The alarm test sound pattern will be: 3 beeps followed by a 1.5 second pause, then 3 beeps. The red LED will flash once per second.

1. Drill holes into the ceiling (or wall) using the template below and secure the base plate using the screws provided.



2. Push and twist the alarm clockwise onto the base plate.



3. Press the Test / <=> button. The alarm will sound a reduced alarm volume. To hear the alarm at full volume* double press the Test / <=> button.

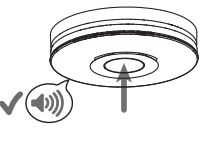


*85dB at 3m

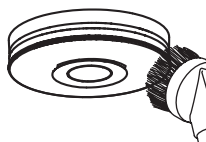
3. MAINTENANCE

1. Test the alarm monthly.

Test the alarm by pressing the central Test / <=> button.



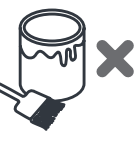
2. Vacuum your alarm every 3 months.



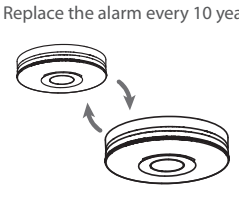
3. Do not use cleaners or solvents.



4. Do not paint the alarm.



5. Replace the alarm every 10 years.



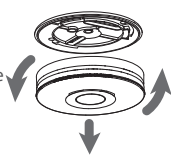
Do not use any other test method except the process described in this manual.

Do not tamper with the alarm as this could cause electric shock or malfunction.

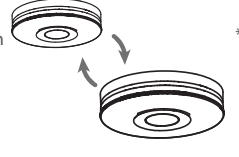
4. LOW BATTERY WARNING

When the alarm battery is low, the alarm will 'chirp' and the red operational LED will flash once every 40 seconds.

1. Carefully turn the alarm anti-clockwise to remove the device from the base plate.



2. Replace the alarm immediately * (within 30 days).



* If your alarm is still under warranty, contact Technical Support.

5. FAULT INDICATION

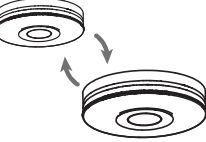
1. If there is a fault, the alarm will 'chirp' twice and flash twice every 40 seconds.



2. If the alarm is still within warranty, contact Technical Support.



3. If the alarm is no longer under warranty, replace immediately.



System Status Indicators: If there is a fault your alarm will display the following fault indication patterns:			
	Audible pattern	LED pattern	Action required
Low battery	1 beep/40 seconds	1 flash/40 seconds	Replace alarm within 30 days
Sensor fault	1 double beep/40 seconds	1 double flash/40 seconds	May not signal alert - replace alarm immediately
End of Life	1 triple beep/40 seconds	1 triple flash/40 seconds	May not signal alert - replace alarm immediately

6. TROUBLESHOOTING GUIDE

If your alarm does not sound during testing:	- Check that your device is activated. - If testing after first installation, allow a few seconds for the alarm to settle. - To hear the alarm at full volume double press the Test / <=> button. - If the alarm has been silenced and is in low sensitivity mode it may not test. Wait 10 minutes then try again.
If your alarm activates in the event of a known false alarm:	- Check the location of your device. - Clean the alarm.
If your alarm sounds unusual or 'chirps' intermittently:	- Check the location of your device. - Clean the alarm. - Check that your device 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 device. - Clean the alarm.
If the LED on your alarm fails to illuminate:	Check if the device is still within its warranty. If so, contact Technical Support, otherwise replace the alarm immediately.
If a fault or End of Life is indicated:	Replace the alarm immediately.

7. BLUETOOTH WIRELESS INTERLINK <=>

The FireAngel Bluetooth range is designed to be wirelessly interlinked with up to 20 products within the range. They are not designed to communicate with wireless alarms from other ranges or manufacturers. These alarms need to be 'paired' or interlinked in order to communicate with each other. If one alarm sounds, all alarms will sound. Simply press the Test / <=> button to locate the alarm initially triggered.

Bluetooth technology is a wireless network technology designed for low-power, reliable connectivity. It eliminates the need for interconnecting wires around a property making future system modifications easy and cost effective.

IMPORTANT: Obstructions such as steel reinforcement in concrete could block or impede the wireless signal. While the wireless range is over 100 m in clear air / clear line of sight, the effective range may be reduced by walls and other obstructions in the building. It is recommended not to exceed 35 m as the maximum distance between alarms in a network.

8. INTERLINKING WITH MOBILE APP

FireAngel recommend using the **Angel Connect** app to interlink your alarms. If the network is initially setup manually, it will need to be reset in order to then use the mobile app.

- Scan the QR code to download the **Angel Connect** app. The app is also available from the App Store or Google Play Store.
- Ensure the devices are fully installed and powered, and are in Bluetooth pairing mode (either primary or secondary pairing mode - see below).
- Open the **Angel Connect** app and follow the on screen instructions to add and connect devices.

IMPORTANT: Ensure that the devices are in Bluetooth pairing mode and that Bluetooth is enabled on your mobile phone. Otherwise, the **Angel Connect** app will not be able to establish a connection.

- This alarm can be connected to the FA8080BW gateway. If a gateway is available, please complete gateway pairing first, then add the alarm devices to ensure correct association between the gateway and Secondary devices. After pairing with the gateway is completed, you will be able to receive alarm notifications and other status indications remotely when away from home, and remotely control devices in your home.



9. INTERLINKING MANUALLY

Install alarms as described earlier.

The product has two modes when pairing the Bluetooth manually, between alarms: Primary mode and Secondary mode.

Primary mode: this device will pair with other devices. The red LED will remain on. In this mode, the device actively searches for and connects to other devices in Secondary pairing mode.

Secondary mode: this device will be paired by the Primary device or the **Angel Connect** app. The red LED will flash slowly. In this mode, the device enters pairing standby and waits to be connected by a primary device.

How to enter pairing mode:

- Install the alarm on its base plate. It will automatically enter Secondary mode.
- If your device has been installed on its base plate for sometime, then press the Test / <=> button three times, in quick succession. The alarm will then enter Secondary mode.

If the device is not successfully paired within 30 seconds it will automatically return to standby mode.

Multi-device network set-up

- Choose a device to become the Primary. Press the Test / <=> button on this device five times, in quick succession to make it enter Primary mode, the LED will remain on. This device is now ready to connect to other devices.
- For each additional device, enter Secondary mode using the methods above. Once successfully added, the Secondary device will chirp once to signal it has been successfully paired and return to standby mode. The Primary device will also chirp as confirmation and remain in Primary mode (red LED continuously on).
- To add more alarms to this network, repeat step 2 above for each device.

Testing the Network

Press the central test button on any successfully paired alarm. All successfully connected devices will sound and after 8 seconds, these devices will flash red LEDs simultaneously twice per second for a total of 5 minutes. This provides sufficient time to check each alarm individually and confirm that all devices in the network have been tested successfully.

Exiting Pairing Mode

Alarms will automatically exit Pairing mode: Primary mode after 5 minutes and the Secondary mode after 30 seconds. To exit manually, you can press the Test / <=> button once to exit the pairing.

Resetting the Bluetooth Network

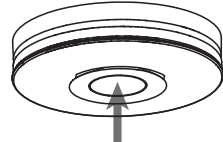
If reconfiguration is needed, press the button three times, in quick succession and then press and hold the button for 12 seconds. During this process, the red LED will flash rapidly. The device will chirp once to indicate that the Bluetooth network has been reset.

10. SILENCE FEATURE

In the event of a fire, your alarm will sound 3 beeps continuously and the LED flashes once per second.

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 LED will continue to flash once every second to show that it is in Silence mode. Your alarm will automatically return to full sensitivity after 10 minutes.

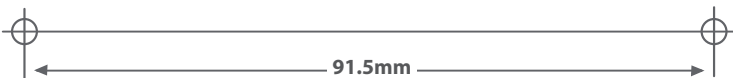
1. Press the Test / <=> button.



2. The alarm will silence for 10 minutes and the red LED will continue to flash.



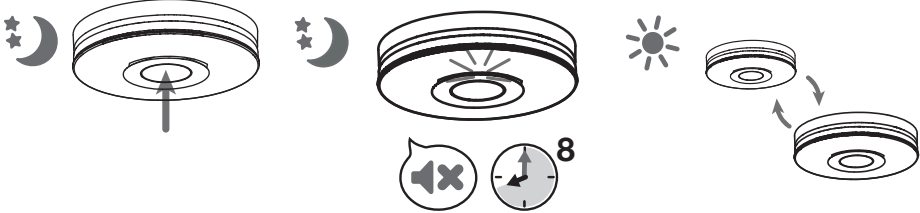
NEVER IGNORE ANY ALARM. If an alarm is sounding, it is warning you of a potentially hazardous situation. Do not ignore it. Ignoring the alarm may result in injury or death. If your smoke or heat alarm activates and you are not absolutely certain of the source of fire, get everyone out of the house immediately.



11. SLEEP EASY FEATURE

If a low battery 'chirp' occurs at night, the alarm can be silenced so it does not keep you from sleeping.

1. Press the Test / « button.
2. The alarm will silence for 8 hours and the red LED will continue to flash once every 40 seconds.
3. TAKE ACTION to replace the alarm THE NEXT DAY (see Low Battery Warning section).



Take action as soon as possible to ensure protection in case of fire. Your alarm will still detect smoke during the Sleep Easy mode but you must replace alarm within 30 days.
If the device is still within warranty, contact our Technical Support team.

NOTE: You can silence a low battery 'chirp' a maximum of 10 times. YOUR ALARM CANNOT BE SILENCED IF IT INDICATES A FAULT OR END OF LIFE (see 'Fault Indication').

12. TECHNICAL SPECIFICATION

Model: FA8620BW, FA8720BW, FA8922BW
Operating Temperature Range: -10°C to 40°C
Operating Humidity Range: ≤93% relative humidity, non-condensing
Alarm Sound Level: ≥85dB at 3m
Sensor Life: 10 Years - Replace unit after 10 years of operation
Supply Voltage: DC 3V
Battery Life: 10 years under normal operating conditions. Sealed for life, non replaceable.
Bluetooth Frequency: 2400Mhz
Bluetooth Communication Range: >100m at Open field
Max RF Power: 8dBm

WARNING: Prolonged exposure to a sounding alarm near your ears may damage your hearing. Prolonged exposure to extreme high or low temperatures may reduce the life of the battery.

13. WARRANTY & DISPOSAL

FireAngel Safety Technology Limited warrants to the original purchaser that its enclosed 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. 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 5 (five) 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 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 5 (five) 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. Both batteries and the detector should be disposed of in line with current regulations.
Do not attempt to open. Do not burn.

For Technical Support reference, please write the alarm batch number and install date below:

Batch number:

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Install date:

/

/