



FA4524BW WIRELESS ALARM CONTROLLER USER MANUAL

PLEASE READ THIS GUIDE IN FULL BEFORE USING YOUR FA4524BW WIRELESS ALARM CONTROLLER!

Battery powered Wireless Alarm Controller with Test, Silence, Locate function. Non-replaceable 3V DC battery.

Privacy Statement

FireAngel Safety Technology Limited takes your privacy seriously. Our devices and products collect data to enable us to provide services (including product support and notifications) and to enable us to predict fire risks and create statistics. Details of the data we collect, how we use and how long we keep that data are contained in our privacy notice which is available at <https://www.fireangel.co.uk/FACTPP>. If you have any queries about how we use your personal data or would like to exercise any of your rights, including your right to object where we rely on legitimate interests, please contact us at: customersupport@fireangeltech.com or call 0330 094 5830.

Technical Support

Online: www.fireangeltech.com/support
E-mail: customersupport@fireangeltech.com
Phone: 0330 094 5830
Fire & Rescue Customers: 0800 141 2561
www.fireangel.co.uk

GN6715R1



FireAngel Safety Technology Limited, declares that the FA4524BW is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/ EU. The declaration of conformity may be consulted at www.fireangel.co.uk/compliance.

Max RF power: +8dBm
Frequency: 2.4GHz

Note: This user manual is also available in large text and other formats.

FireAngel Safety Technology, Ground Floor, BOURN, 1 Manor House Drive, Coventry, CV1 2TA, UK

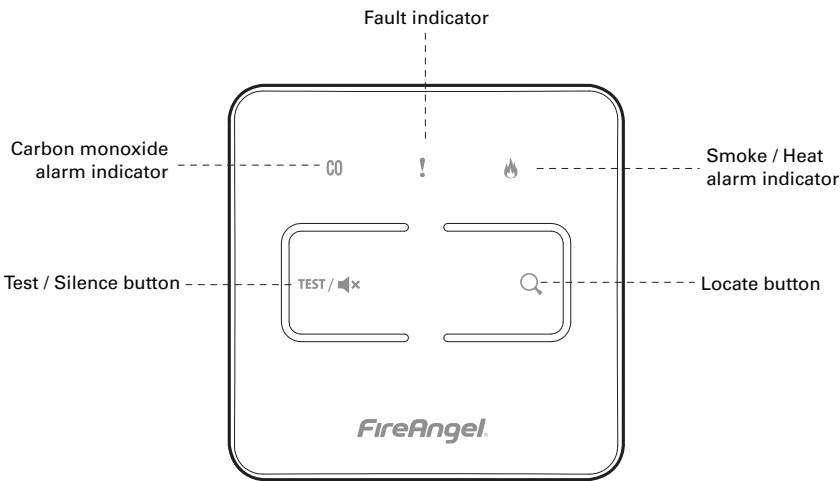
EU Importer: FireAngel Safety Technology Europe, B.V., Concertgebouwplein 15-H, 1071 LL, Amsterdam, Netherlands
Email: euenquiries@fireangeltech.com

1. INTRODUCTION

IMPORTANT: If you are installing this product for use by others, you must leave this manual (or a copy of it) for the end user.

KEY FEATURES:

- FireAngel Bluetooth technology enables wireless interlinking between FireAngel Bluetooth products.
- Test / Silence () button, allowing you to regularly test all wirelessly interlinked alarms on a network. Pressing the silence button will reduce the sensitivity of alarms, unless carbon monoxide has been detected, in which case you can use the 'Locate' function below to find the source alarm. The device cannot be silenced if the CO concentration is greater than 150ppm.
- Locate button (), allowing you to silence all alarms but the initiating alarm, during an alarm condition. During a fault condition, this feature will allow you to locate the alarm in fault, in a similar way.
- Alarm memory function - allows you to investigate previous alarm events.
- 10 year sealed for life battery.
- 5 year warranty.



2. POSITIONING AND INSTALLATION

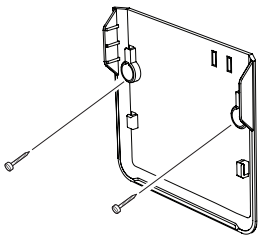
This Wireless Alarm Controller is suitable for use in domestic premises only. It should be installed at an accessible point on the wall, in a location where it will not be accidentally operated or knocked.

- Ensure this Wireless Alarm Controller is installed by a competent person who feels able to install it according to the instructions.
- Read all installation instructions prior to installing this product.

WARNING: To prevent injury, this Wireless Alarm Controller must be securely attached to the wall in accordance with the installation instructions.

To mount the bracket onto a wall:

Please ensure that you use the screws provided, as they were chosen specifically for use with this product. Drill holes into the wall and insert supplied wall plugs. Screw the bracket in place.



ACTIVATING THE WIRELESS ALARM CONTROLLER

The Wireless Alarm Controller has a sealed-in non-replaceable battery. To activate it, remove the disabling tab.

Upon activating, all three LED's should simultaneously flash twice, to indicate that they are working.

Once the device is activated it can then be learnt-in to a Bluetooth network, before securing to the wall bracket.

3. INTERLINKING WITH MOBILE APP

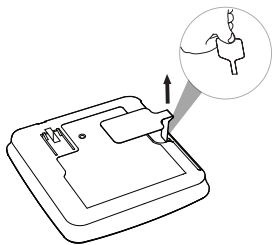
The Angel Pro app is designed specifically to meet the demands of professional installers. It makes the installation of FireAngel's leading devices as intuitive and efficient as possible. The app enables you to quickly install your network of connected alarms, resolve issues, test and even certify your installation. Scan the QR code to discover how easy it is yourself.



4. WIRELESS INTERLINK

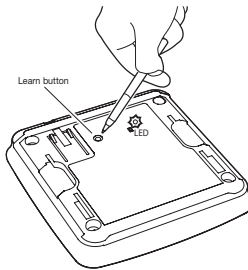
The Wireless Alarm Controller is designed to be used as a remote interface on a network of up to 49 other products within the FireAngel Bluetooth range. The Wireless Alarm Controller can be used to test, silence or locate any alarms on the Bluetooth network. It is not designed to communicate with wireless alarms from other ranges or manufacturers. The controller needs to be 'learned-in' or interlinked, in order to communicate within the network.

Bluetooth enables wireless communication with any other product with Bluetooth technology inside. When one alarm detects smoke / heat / carbon monoxide, the wireless module inside sends a signal to all the connected alarms, ensuring almost instantaneous reaction across the network.



HOW TO 'LEARN-IN' THE WIRELESS ALARM CONTROLLER INTO A BLUETOOTH NETWORK:

- Using a ballpoint pen, briefly press and release the "Learn button" on the back of the unit.
- This activates secondary pairing mode, where the device will search for a host device to establish pairing. The blue LED indicator will begin flashing for three minutes. If the blue LED turns off within the three minutes, it indicates successful pairing.
- If the button is pressed three times consecutively, host pairing mode is activated. In this mode, the device will actively search for available devices to form a network. The blue LED indicator will remain continuously illuminated, and the pairing duration is three minutes.



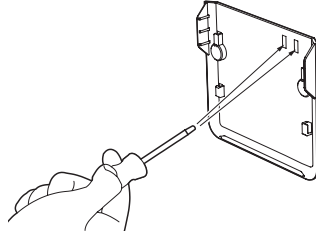
Your Wireless Alarm Controller counts as one unit within the network. If it is installed retrospectively, then the existing network cannot exceed 50 units in size.

- To complete the installation simply slide the controller onto the bracket. The unit is now part of the whole network.

The method above assumes you have already installed your alarm network, prior to installing your Wireless Alarm Controller. If you want to install your Wireless Alarm Controller first, you can learn your smoke, heat and CO alarms into it by following the instructions in your alarm manual, using the Wireless Alarm Controller as alarm 1.

HOW TO REMOVE FROM A NETWORK:

Press and hold the 'learn-in' button on the back of the device for 10 seconds to perform a network reset. During the 10 seconds the button is pressed, the blue LED indicator next to it will blink rapidly. Once the 10-second countdown is completed, the light will turn off. At this point, release the button and the device will execute the network reset and disconnect from the network.



5. MAKING THE WIRELESS ALARM CONTROLLER TAMPER PROOF

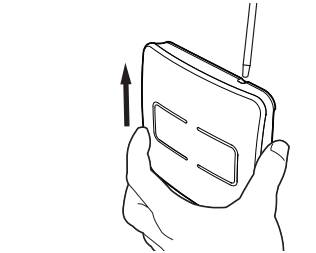
Do not complete this action until you have wirelessly interlinked all of your alarms.

The Wireless Alarm Controller is provided with an anti-tamper feature, ensuring, where needed it cannot be removed from the wall.

To make use of this feature you will need to push out the two blanking plates on the top right-hand side of the bracket, using a small screwdriver, being careful to support the bracket fully whilst doing so.

Once the rest of the installation is complete, and the Wireless Alarm Controller is fixed to the bracket it can only be removed using the following method:

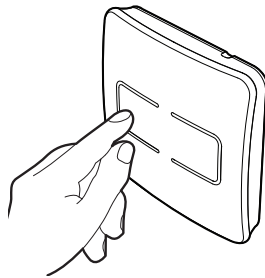
Insert a small screwdriver into the hole on the top right-hand corner of the Wireless Alarm Controller, until it stops, this will disengage the lock, then gently ease the control unit up to release it from the bracket.



6. TESTING THE ALARM SYSTEM

Press the Test / Silence () button to confirm that the Wireless Alarm Controller is operating properly. This will instigate a three minute test. All networked alarms should sound. To stop the test (earlier than 3 minutes), simply press the Test / Silence () button again. This test should be performed on a monthly basis.

Pressing the Test button on the Wireless Alarm Controller creates a lot of traffic. If you need to use the feature more than once, please wait 40 seconds to let the network settle down.



7. PRODUCT FUNCTIONALITY

Function	Description
 Test / Silence button	Test button: This allows you to test all wirelessly interlinked alarms from one centralised location. Silence button: This will silence all wirelessly interlinked smoke and heat alarms and reduce the system sensitivity.
 Locate button	In an alarm event this will silence all wirelessly interlinked alarms except the initiating alarm which has sensed carbon monoxide / smoke.
 Smoke / heat alarm indicator	This indicates that a smoke / heat alarm has been activated.
 Carbon monoxide indicator	This indicates that a carbon monoxide alarm has been activated.
 Fault indicator	This indicates a fault with the Wireless Alarm Controller or one of the alarms within the network.

LOCATE BUTTON

If the alarms are sounding and an alarm indicator is flashing, but there's no obvious hazard, pressing the 'Locate' button () will silence all wirelessly interlinked alarms except for the initiating alarm which has sensed smoke / heat or carbon monoxide. Within two minutes the system will return to normal operation and the alarms will continue to sound if smoke / heat or carbon monoxide is still present. To make locating the alarm easier, the Wireless Alarm Controller can be removed from its bracket and carried around the property (providing the tamper proof function has not been engaged), allowing you to press the 'Locate' or 'Test' button whilst moving from room to room.

SILENCE BUTTON

If the alarms are sounding and the smoke / heat alarm indicator is flashing, but there's no obvious hazard, pressing the 'Silence' button () will silence all wirelessly interlinked alarms and reduce the system sensitivity for up to 10 minutes. However if excessive smoke is sensed the silence function will be overridden. The indicator will continue to flash unless the smoke disappears. **Please Note:** A CO alarm cannot be silenced using the Wireless Alarm Controller if more than 150ppm has been detected, however the 'Locate' function will allow you to find out which of the CO alarms is the initiating alarm.

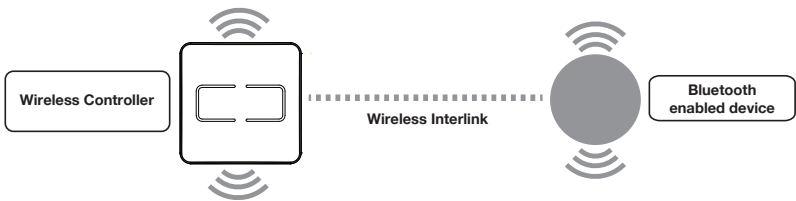
ALARM MEMORY

If an alarm indicator flashes once every 10 seconds, it indicates that a smoke, heat or carbon monoxide alarm was previously triggered. Press and hold the Locate button () and the triggered alarm will flash accordingly (please refer to the alarm user manual). Please note: The system only displays the most recent alarm event. If both a carbon monoxide alarm and a smoke / heat alarm were previously triggered simultaneously, the carbon monoxide alarm will always take priority. The Wireless Alarm Controller will return to normal status 1 minute after pressing the Locate button.

FAULT DETECTION

If the amber fault indicator light and the red alarm indicator light flash simultaneously, it indicates that an alarm in the network has developed a fault. Press the Locate button () to identify the faulty alarm.

If all alarms are checked and found to be correctly installed on their bases and in working condition, and if all alarms are activated, the fault indication can be cleared by quickly pressing the Locate button twice.



8. WHEN AN ALARM SOUNDS

Never ignore an alarm.

If there is a fire, evacuate the premises and call the fire brigade. If the source of the alarm is not immediately apparent check which indicator is flashing on the Wireless Alarm Controller.

If the CO indicator is flashing:

- Keep calm and open the doors and windows to ventilate the property.
- Stop using all fuel-burning appliances and ensure, if possible, that they are turned off.
- Evacuate the property leaving the doors and windows open.
- Ring your gas or other fuel supplier on their emergency number; keep the number in a prominent place.

9. LED INDICATORS

Red CO LED	Red Smoke / Heat LED	Amber Fault LED	Status	Action required
Flashing for 10 seconds, every hour.	Flashing for 10 seconds, every hour	Flashing for 10 seconds, every hour.	The Wireless Alarm Controller is not part of a network.	Please refer to the 'Wireless Interlink' section to 'learn-in' the Wireless Alarm Controller to the network.
Flashing rapidly every second.			Alarm: A carbon monoxide leak has been detected.	Keep calm and open the doors and windows to ventilate the property.
	Flashing rapidly every second.		Alarm: Smoke / heat has been detected.	Keep calm and evacuate the property.
Either the carbon monoxide indicator or the smoke / heat indicator or both, are flashing every 10 seconds.			This indicates that one of the alarms has previously been activated.	Please refer to the 'Locate' section of this manual.
Either the carbon monoxide indicator or the smoke / heat indicator or both, are flashing.		Double flashing every second.	An alarm on the network has developed a fault.	Please refer to the 'Fault Detection' section of this manual.
		Flashing once every 5 seconds.	Low battery condition or the end of the product life.	The Wireless Alarm Controller should be replaced as soon as possible.
		Flashing rapidly.	This indicates an internal fatal radio failure.	Please contact Technical Support on: 0330 094 5830 .

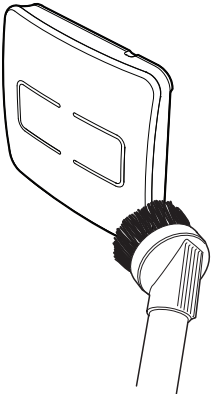
10. TROUBLESHOOTING

Issue	Indication
No lights come on when I press any of the buttons on the Wireless Alarm Controller	This may indicate that the Wireless Alarm Controller has not been successfully activated, see section 'Activating the Wireless Alarm Controller'. If the unit still fails to activate please contact Technical Support via email: customersupport@fireangeltech.com or by calling: 0330 094 5830 .
When pressing the test button nothing is happening	This indicates that the Wireless Controller has not been successfully activated, see section 'Activating the Wireless Alarm Controller'.
Unable to remove the Controller from its bracket	You need to disengage the locking pins. Refer to the 'Making the Wireless Alarm Controller Tamper proof' section.
If you have any questions about the operation of your Wireless Controller, please visit the FireAngel website for FAQs: www.fireangeltech.com alternatively contact Technical Support via email: customersupport@fireangeltech.com or by calling: 0330 094 5830 .	

11. MAINTENANCE

This Wireless Alarm Controller will act as a remote interface between the alarms in your home when maintained properly. To ensure the reliability of the Wireless Alarm Controller:

- Keep the unit free from dust by gently vacuuming the case with a soft brush attachment every 3 months.
- Never use cleaning solutions on the Wireless Alarm Controller. Simply wipe with a damp cloth.
- Do not paint the Wireless Alarm Controller.
- Do not spray aerosols on or near the Wireless Alarm Controller.
- Do not use any solvent based products near the Wireless Alarm Controller.
- Do not attempt to repair the Wireless Alarm Controller.
- Do not attempt to change the battery.
- Do not remove any screws or open the main casing of the Wireless Alarm Controller. Any attempt to do so may cause malfunction and will invalidate the warranty.



12. WARRANTY AND DISPOSAL

FireAngel Safety Technology Limited warrants to the original purchaser that its enclosed FA4524W Wireless Alarm Controller 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 the 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) 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 FA4524BW device 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. This warranty does not cover replaceable batteries which are considered user-replaceable parts.

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 Wireless Alarm Controller 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.

WARNING: Do not burn or dispose of in fire.

WARNING: If your Wireless Alarm Controller is dropped or damaged, as a precaution, it should be removed from the building and you should contact Technical Support on **0330 094 5830** or **customersupport@fireangeltech.com**.

WARNING: DO NOT ATTEMPT TO OPEN. DO NOT BURN.

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

Batch number:

Install date:

/ /