



FireAngel ZW-MODULE P-LINE Installation Guide

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FireAngel®

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INTRODUCTION

This wireless module is designed to be installed in a Z-Wave compatible smoke or heat alarm which offers an additional option for wireless connectivity. For the current range of Z-Wave compatible products visit www.fireangel.co.uk When the wireless module is fitted into a Z-Wave compatible FireAngel smoke or heat alarm it enables the unit to be wirelessly interlinked to a third party Z-Wave Controller.

When any of the interlinked products are triggered by smoke or heat, the unit will transmit messages to the main Controller.

NOTE: You will need the User Manual of the product into which you are installing the wireless module in order to understand alarm operation. Z-Wave module characteristics are different to those stated in FireAngel Wi-Safe 2

literature, please contact Technical Support on 0800 141 2561 or email technicalsupport@sprue.com for more information.

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated devices within the network will act as repeaters regardless of vendor to increase reliability of the network.

HOW TO INSTALL A Z-WAVE WIRELESS MODULE (ZW-MODULE)

Please read these fitting instructions carefully before proceeding, paying particular attention to the ESD handling guidelines below.

- Remove the label which covers the module aperture on the host unit.
 - Avoid carpeted areas in cool, dry areas if possible, and reduce static electricity if necessary by touching a grounded metal object.
 - Carefully remove the module from its packaging, handling the module only by the protective plastic cover, to avoid electrostatic discharge.
 - Be careful not to touch the components or connector pins.
 - Remove the plastic battery insulation tab by pulling it out.
 - Carefully plug the module into the aperture in the unit, pushing down until it lies flat within the base of the unit.
- The unit is now ready to be added (included) to the Z-Wave Controller.

‘ADDING’ YOUR Z-WAVE UNITS

Do not attempt to add your Z-Wave Module unless you are familiar with the operation of your Z-Wave Controller.

1. Read the instructions for your Z-Wave Controller regarding adding new devices. Then initiate the inclusion function from your Z-Wave Controller.
2. Triple-press the add button once the Z-Wave Module is on the device. The LED will show a quick blink once per second while the module is being added. This process may take as long as 30 seconds, but typically is much quicker. If you triple-press too quickly or too slowly, inclusion will not start. In this case wait a few seconds and then try again.
3. Upon successful inclusion, the Z-Wave Module LED will flash 3 times. If inclusion fails, the LED will simply stop its blink pattern.
4. If inclusion does not succeed, restart at step 1.
5. If successful, place the alarm on its base and wait at least 30 seconds.
6. Press the alarm’s test button and verify the Z-Wave Controller receives Notification Reports.
7. After the Z-Wave Module is included, you may define association groups or perform other configuration operations from the Z-Wave Controller.

For information about where to position the alarm, and operational guidelines, please see the device User Manual. Once a year the unit will send a Notification Report showing Maintenance Required, Periodic Planned Inspection. The alarm’s test button should be pressed to clear this condition.

WAKING THE MODULE

If the module has been successfully included, when pressing the button, the LED will flash three times. In addition, the module will communicate with the Z-Wave Controller, accepting any pending commands.

'REMOVING' YOUR Z-WAVE UNITS

1. Read the instructions on your Z-Wave Controller regarding removing devices. Note that a device can be removed using any Z-Wave Controller, not just the Controller that was used to add the Module. Initiate the removal process at your Controller.
2. Triple-press the button on the Z-Wave Module. The LED will show a quick double-blink once per second while the module is being removed. This process may take up to 30 seconds. If you triple-press too quickly or too slowly the removing function will not start. In this case you must wait a few seconds and then try again.
3. Upon successful removal, the Z-Wave Module LED will flash 5 times. If removal fails, the LED will simply stop its blink pattern.
4. If the removal operation does not succeed, restart at step 1.
5. After removing, either a) add the Z-Wave Module into a different Z-Wave Controller, or b) remove the battery from the Z-Wave Module.

NOTE: The effective range of the wireless module may be reduced by walls and other obstructions in the building. It is recommended not to exceed 40m as the maximum distance between the alarm and the Controller. Once the Z-Wave module is removed from a device, it needs to be reset before it can be used in another device.

1. Press and hold the button on the Z-Wave Module for 10 seconds. Once the LED light goes off, release the button.
2. The module is now reset. This will erase the network as well as the device ID. The module can then be placed in a new device and learned-in to a network again. Resetting whilst the module is still connected to the old alarm, will erase only the network content. Resetting once the module is removed from the alarm, will erase the network as well as the device details from the module.

Please use this procedure only when the network primary controller is missing or otherwise inoperable.

BATTERY

The ZW-Module contains 1 x CR2 lithium battery. The module will send a low battery Notification Report to the Z-Wave controller when it is time for a replacement. The ZW-Module is compatible with any Z-Wave Controller, however the battery life may be shortened due to default settings on some controllers.

The Controller's firmware may require updating, to understand the Notification Command Class V8.

For a full list of recommended controllers and configuration details visit www.fireangel.co.uk

REPLACING THE BATTERY

1. Remove the module from the alarm.
2. Without touching any metal pins on the module, carefully remove the battery. Dispose of the battery appropriately.
3. Without touching any metal pins on the module, insert a new CR2 battery, checking for correct orientation.
4. Re-insert the module into your alarm.
5. Place the alarm on its base and wait at least 30 seconds.
6. Press the test button on the alarm and confirm that the Z-Wave Controller receives a Notification Message.

NOTE: The alarm device is not dependent in any way on the removable battery inside the module. Not replacing the battery inside the module will only prevent the alarm communicating to the Z-Wave Controller.

LIMITATIONS OF THE Z-WAVE SYSTEM

1. Alarms are not wirelessly interlinked to each other.
2. Only the initiating Alarms will sound.
3. The Z-Wave protocol is not a life safety protocol and should not be relied upon for life safety.
4. If your internet connection is lost, communication from your 3rd party controller (i.e. to cloud or mobile devices) may not be possible. Your alarm will still continue to operate as a standalone alarm and does not rely on an internet connection to do so.

WARRANTY

For information on alarm warranty (not including the ZW-module or replaceable battery) please refer to the main alarm manual.

Sprue Safety Products Ltd warrants to the original purchaser that its enclosed ZW-MODULE be free from defects in materials and workmanship under normal residential use and service for a period of 2 (two) years (and not including the replaceable battery) from the date of purchase. Provided it is returned with proof of purchase date, Sprue Safety Products Ltd hereby warrants that during the 2 (two) 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 ZW-MODULE, will last for the remainder of the period of the original warranty in respect of the wireless module 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 2 (two) 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.

DISPOSAL

Waste electrical products should not be disposed of with your other household waste, but within the waste electronic and electrical equipment (WEEE) recycling scheme.

WARNING: Do not attempt to disassemble.

WARNING: Do not burn or dispose of in fire.

TECHNICAL SPECIFICATION

Compliance:

EN 300 220-2 V2.4.1

EN 301 489-1 V1.9.2

EN 301 489-3 V1.6.1

Frequency: 868.4MHz and 869.8MHz

Contains: Replaceable (CR2) lithium battery



With the present declaration, Sprue Safety Products confirms that the Z-Wave Module conforms to the essential requirements and other relevant measures of the 1999/5/CE Directive. The Declaration of Conformity can be accessed on the website: <http://sprue.es/EC-Z-Wave>

Manufacturer: Sprue Safety Products Ltd, Vanguard Centre, Coventry, CV4 7EZ, UK
Tel. 0800 141 2561 / Email technicalsupport@sprue.com For further information on the ZW-Module please visit www.fireangel.co.uk

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Documents / Resources



[FireAngel ZW-MODULE P-LINE](#) [pdf] Installation Guide
ZW-MODULE P-LINE, ZW-MODULE, P-LINE Module

References

-  [EPS Vertriebs GmbH – Ihr Ansprechpartner für Alarm-, Brand- und Videotechnik. | EPS B2B Portal](#)
-  [The Home of Connected Fire Safety | FireAngel](#)
-  [Die Heimat des vernetzten Brandschutzes | FireAngel](#)
-  [View FireAngel in your Country](#)