# QUICK START INSTRUCTIONS

**Product code: 116-1168 Model: FSP500**

FIRECHIEF®
making the world a safer place

## FIRECHIEF SITEWARDEN RF PRO SITE ALARM – FIRE AND FIRST AID

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### BOX CONTENTS

1 x Sitewarden wireless fire/first aid alarm.
1 x Aerial and plastic spacer
4 x Wall screws and wall plugs
2 x LSH20 3.6V batteries

### INTRODUCTION

The FSP500 Sitewarden Fire and First-Aid Site Alarm is a battery-powered, wireless critical alert system designed for maximum portability and ease of installation. Each unit can be paired with up to 63 additional units to create a comprehensive, site-wide alert network.

When activated, the FSP500 delivers up to 10 watts of high-quality audio annunciation, complemented by bright, strobing LEDs for visual alerts. Any unit can be configured as a master unit, capable of identifying and announcing which specific unit has been triggered.

For enhanced communication, an optional IP Bridge can be integrated into the system, allowing email and SMS alerts to be sent to designated recipients. SMS functionality requires a Twilio account.

Upon activation of the Fire button, all units will broadcast a pre-recorded alert message, with the master unit identifying the source of activation. In the case of a First-Aid alert, only the activated unit and the master unit will sound, though all units can relay the wireless signal across the site.

### FEATURES

| | |
|---|---|
| **Power Requirements:** | 2 x 3.6V Lithium D cells |
| **Battery Life:** | Up to 2 years with normal usage |
| **Low Battery Warning:** | Flashing LEDs on units, wireless report to IP bridge |
| **Optional Power:** | 12V DC (eliminates the need for Lithium D cells) |
| **Audio Output:** | Up to 10 watts |
| **Audio Quality:** | 44.1 kHz / 16-bit samples (CD quality) |
| **Visual Warning:** | 4 high-power white LEDs, configurable strobing sequence |
| **Transmitter Power:** | 10mW at 434.525 MHz (license exempt) |
| **Reception Range:** | Up to 1 km (line of sight) |
| **Site/Unit Codes:** | 32 site codes, 64-unit codes within radio range |
| **IP Rating:** | IP66 |
| **Operating Temperature:** | -10°C to +60°C |
| **Fuse ratings:** | F1_500ma quick blow.<br>F2 and F3_2.5A Time lag |

### PRE-INSTALLATION

#### UNPACKING

On receipt, inspect the package and contents for signs of damage. If damage has occurred, advise the carrier and/or supplier immediately. Inspect the contents to confirm that all items are present and undamaged. If any items are missing or damaged, contact the supplier immediately. It is advised that the original carton is retained as this forms the safest transport container in case a unit needs be returned for any reason.

#### SERVICING

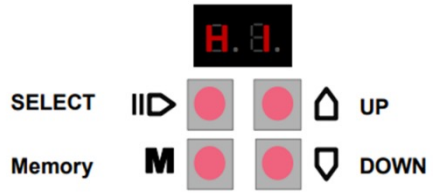
This unit should not require general servicing. Any repairs work should only be undertaken by Firechief Global.

#### MOISTURE

Do not expose the internal electronics of this unit to moisture i.e. take care during installation not to allow rain or damp into the product. When product is sealed it is water resistant to IP66.

### SET-UP

1. Place the spacer washer over the screw stud, then attach the aerial.
2. Remove the lid by pressing down and turning each of the six screws a quarter turn.
3. Insert the two 3.6V Lithium D cell batteries, observing correct polarity.
4. Ensure that the jumper link is fitted to JP6 Jumper position. Removing this jumper will disable the product.
5. The LED display will show "HI," followed by the firmware version number, indicating the unit is powered on.
6. Use the four programming buttons below the display to configure the parameters.
7. To fully remove the lid, unplug the ribbon cable if necessary.




#### HOW TO PROGRAM THE UNITS

1. Press the **SELECT** button twice to enter the menu.
2. The first menu option (SI) will appear, followed by its current value (e.g., 01).
3. Use the **UP and DOWN** buttons to adjust the settings.
4. Press **SELECT** to navigate through the menu options.
5. To save a setting, press and hold the **M** button. The display will show dashes moving from bottom to top, indicating the setting has been stored.

While the default settings are suitable for most applications, it is crucial to configure the SITE and UNIT numbers:

- All units on the system must share the same SITE number (choose any number from 1 to 32) and ensure that every unit is set to this same number.
- Each unit must have a unique UNIT number, ranging from 1 to 64. No two units should have the same UNIT number.

**UNIT & SITE NUMBER SETTINGS**

| Name | Range | Default Setting | Description |
|---|---|---|---|
| SI | 1 - 32 | 1 | Site Number |
| UN | 1 - 64 | 1 | Unit Number |

**SITE NUMBER (SI)**
Site codes separate one site from another. The site is the area covered by all the Sitewarden units in one system. Choose a number between 1 and 32 and set this on all units in the system. Nearby units will be detected by the system, but if they are on a different site code, they cannot activate your system. If an IP Bridge is used with the system, it must have the same site number.

**UNIT NUMBER (UN)**
Unit numbers identify individual Sitewarden units on the site. There are 64 unit numbers available, which is the maximum number of Sitewarden units per site. Unit number should be unique to each individual unit.

**Please see advanced instructions for how to set up a master unit**

## HOW TO OPERATE THE SYSTEM

**ACTIVATION - FIRE**
In the event of a fire, press the red fire alarm button on any of the units. This will cause all connected units on the site to play the alert file at the set volume. Additionally, the LEDs around the speaker will flash. The red LEDs around the button on the unit that was pressed will light and remain on. If one of the units is set to be a master, then this will also light up around the fire button.

**ACTIVATION – FIRST AID REQUEST**
Press the green first aid button on any of the units. This will cause only this unit to play the "First Aid has been requested" file at the set volume. Additionally, the LEDs around the speaker will flash. The green LEDs around the button on the unit that was pressed will light and remain on. If one of the units is set to be a master, then this will also light up around the first aid button.

**DEACTIVATION**
Locate the activated unit button which will be illuminated with a ring of LEDs (red for fire, green for first aid). Press and hold the relevant button for at least three seconds until the LEDs go out. This will send the stop command to all other units on the site.

Any unit that is set to be a master can also be used to stop and reset the system in the same manner.

**BATTERY STATUS**
The lithium D cell batteries are constantly measured and when they are depleted, the LEDS around the red fire and first aid buttons will flash for 200ms every 2 seconds.

Replace these batteries with the recommended type. SAFT LSH20

**The super capacitors must remain with the product.**

**SIGNAL STRENGTH.**
Wireless communication between each unit is constantly monitored and indicated by a periodic flashing of the green LEDs around the first aid button. If the unit fails to receive signals it will alert the user by alternatively flashing the red and green LEDs around the fire and first aid buttons.

Make sure that the aerial is fitted and that the settings match the other units in the system.

Call signals can also be received and monitored by an IP Bridge if one is included in the system where it will notify the user of a unit that has failed to communicate.

**AUXILIARY TERMINALS**
**RS232** -These terminals are reserved for future accessories and are not currently implemented.

**External power source** - The unit may be powered from an external power source. The requirements are 12 volts DC 500mA. Connect this to 0V and +12V.

It is not necessary to fit lithium D cell batteries when powering the unit from an external supply.

**Relay 1** - This is an alarm output for integration with third party products. See relay function in advance instructions.

**Relay 2** - This is for tamper outputs. See tamper selection in advanced instructions.

**AUX X1 and X2** - These two inputs share 0V as their reference and are used to connect additional contacts for partial alarm functions not covered in these instructions.

## WARRANTY
Manufacturer warranty to the original consumer.

Each new purchased alarm shall be free from defects in material and workmanship under normal use and service for a period of 2 years (excludes batteries) from the date of purchase.

This warranty does not cover damage resulting from accidents, misuse or abuse or lack of reasonable care of the product. In no case shall the manufacturer be liable for any incidental or consequential damages for breach of this or any other warranty express or implied, whatsoever. Proper disposal will prevent possible harm to the environment or to human health. When disposing of this product please separate it from other waste streams to ensure that it can be recycled in an environmentally sound manner.

This warranty is given by the manufacturer Firechief® Global, a trading entity of Sentura Group Ltd ("we, us or our"), registered office at 3 Lands End Way, Oakham, Rutland LE15 6RB to the person originally buying the goods ("you or your") from us or our approved distributor. This warranty is applicable to the products in the Firechief® Alarm range purchased in the United Kingdom.

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**For more information contact:** Firechief® Global, 3 Lands End Way, Oakham, Rutland, LE15 6RB, UK | UK: 0330 999 0019 | International: +44 (0)1572 772657 | www.firechiefglobal.com/contact-us/
**Imported into EU by:** Firechief® Global (EU) Ltd, 3rd Floor, 40 Mespil Road, Dublin 4, D04 C2N4, Ireland

+44 (0) 330 999 0019 sales@firechiefglobal.com firechiefglobal.com

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