SALUSFIN
"Smart Living Company"
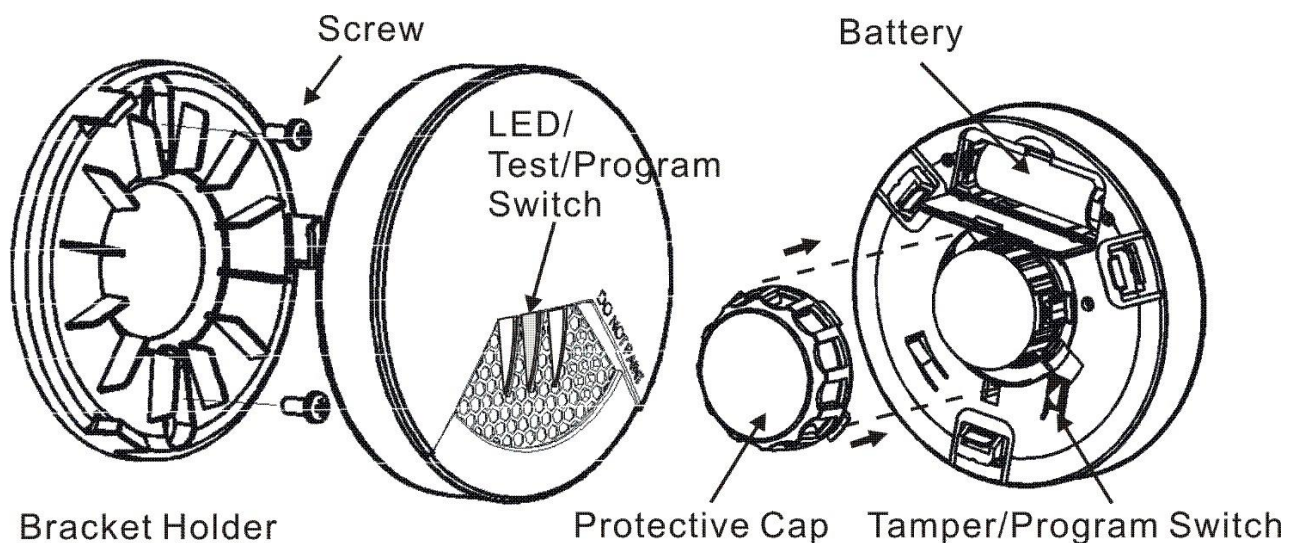
Smoke Detector | SF 9740

User Manual

Introduction

Thanks for choosing Salusfin wireless smoke detector for the home security. This sensor is a Z-Wave TM enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave TM enabled network. Every main powered Z-Wave TM enabled device acts as a signal repeater and multiple devices result in more possible transmission routes **which helps eliminate "RF** dead-**spots". Z**-Wave TM enabled device displaying the Z-Wave TM logo can also be used with it regardless of the manufacturer, **and ours can also be used in other manufacturer's Z**-Wave TM enabled networks. This detector is designed to sense smoke that comes into the detector chamber and send Z-Wave TM signal when the detector detects a certain density of smoke then the horn of smoke detector will sound.

Product Description and S pecification

*** For indoor use only***

Screw · Battery · LED/Test/Program Switch · Bracket Holder · Protective Cap · Tamper/Program Switch

Operation

Power-on Mode: 1) Install the battery into the module 2) Close the bracket

3) the detector will take 8 to 12 sec. and emit a beep to confirm and start the burglar system. The detector will alarm once remove the bracket.

2. Stand-by Mode: The Red LED flashes one time every11 seconds.

3. Alarm Mode (It's the status when the alarm is triggered.) If a certain density of smoke is detected, an audible alarm with 3 beeps, pause and 3 beeps will occur. The red LED will flash continuously and rapidly. Meanwhile, the

smoke detector will send an alarm sensor report (type: smoke alarm, state: **alarm) to the user's controller and also the detector will send an alarm** sensor report (type: smoke alarm, state: No alarm) while the alarm off.

4. Error Mode: If the smoke detector beep and yellow LED flash three times, it indicates the smoke detector is not working properly. Please require to repair or service.

5. Low battery warning Mode: The yellow LED will flash once every 43senods **with a short "beep" sound.**

6. Testing Mode: Test the alarm weekly by pushing test switch for about 3 seconds until the user hear 3 beeps and red LED light on continuously. Then, the smoke detector will send an alarm sensor report (type: smoke **alarm, state: alarm) to the user's controller and also the detector wi**ll send an alarm sensor report (type: smoke alarm, state: No alarm) while the alarm off. Please note if the detector only beep once and red LED flash three times, it indicates the detector is not working properly. Please require to repair or service.

7. Battery Power indicator: The detector will report the current status of **battery capacity to the user's controller.**

8. Self-Protection Mode: If the detector removed from bracket after 8 sec, the detector will send an alarm report (type:0*02, level:0*FF) to the Z-Wave Interface Controller, and the Yellow LED will on continuously and the detector will sound.

9. Silence Mode: The user could press the test switch to get into silence mode to turn off the alarm temporarily when the detector alarm. The silence function will automatically turn into normal operation if the smoke concentration around the detector is still at alarming level after10 minutes of silence mode.

Specification:			Package Content:
Protocol: Z-**Wave™ (ZS6101N)**	1pc		ZS 6101 smoke detector
Frequency Range:	1pc		Bracket Holder
868.42MHz (ZS6101EU)	2pcs		Plastic Anchor & Screws
908.42MHz (ZS6101US)	1pc		CR123A Lithium Battery
921.42MHz (ZS6101AU)	1pc		Installation & Operation manual
Operating Range			Up to 100 feet line of sight
Operating Temp.			-10°C~ 50°C (14°F ~122°F)
Battery			Panasonic CR123A * 1PC

Note: If you are installing the entire Z-Wave TM system for the first time, please refer to the installation guide of Z-Wave TM Interface Controller before installing ZS6101.

 For "Inclusion" in (adding to): Put the **Z**-Wave TM Interface Controller into "inclusion" mode, and following its instruction to add the ZS6101 to your controller. To get in the "inclusion" mode, the distance between sensor and controller is suggested to be in one meter. Press the program switch of ZS6101 for 1 second at least to be included.

For "Exclusion" from (removing from) a network: Put the **Z**-Wave TM Interface Controller into "exclusion" mode, and following its instruction to delete the ZS6101 to your controller. Press the program switch of ZS6101 once to be excluded. Please note: The LED on the ZS6101 will flash (red) continuously in Exclusion mode.

For "Awake" mode : it is to leave the "Sleep" mode by pressing the program switch for 1 second at least to allow the Z-Wave TM Interface Controller to do "inclusion", "exclusion", "Association" and to reply and receive the commands from controller. It will take about 5 seconds and the red LED light on for awaking the system. LED light will be off after setting.

For "Association": After "Awake" mode, then put the Z-Wave TM Interface Controller into "association", and following its instruction to associate the ZS6101 with other device. Afterward the ZS6101 will get into "Sleep" mode for power saving.

One association group supports 5 nodes.

For "Auto Wake-up" mode: The user could set Auto Wake-Up mode in min. 10 minutes to max. a week. Default setting is based on 1 hour, each increment in 200 seconds.

Installation

1. Remove the bracket from the detector by rotating it counter-clockwise.

2. Place the bracket where you are going to install the detector. In each key hole slots, draw a mark to locate plastic anchor and screw. Using a 3/16-inch (5mm) drill bit, drills two holes at the marks and insert the plastic anchor, and attach the bracket by using the screws.

3. Open the battery cover to insert a CR123A battery into the battery compartment, and then replace the cover. Fix the detector with bracket by rotating it clockwise

4. Suggestion of the Smoke Detector Location: