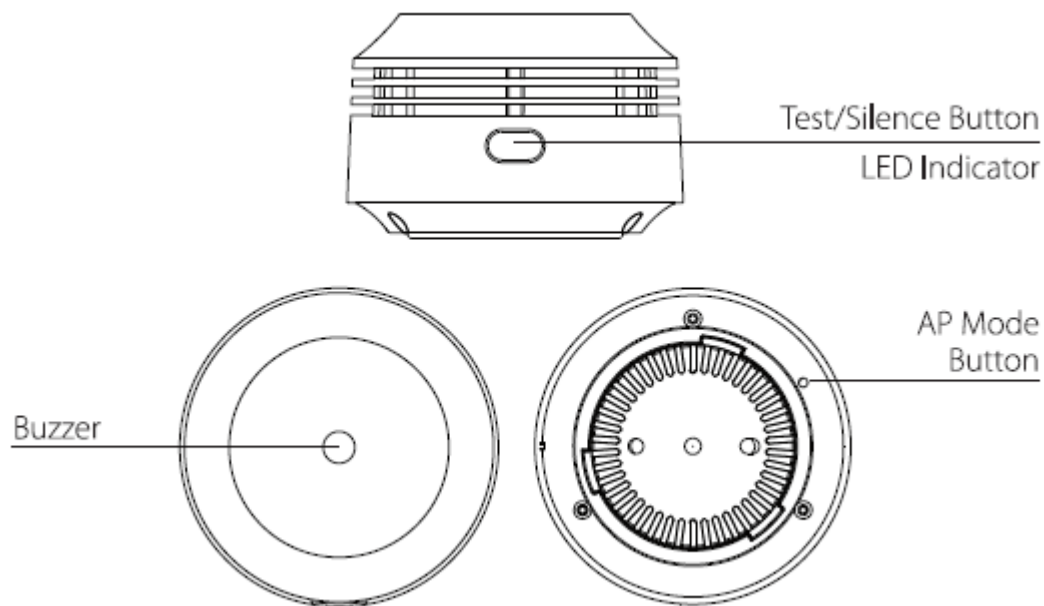# User Manual
Wi-Fi Smoke Alarm
S-WF240

www.x-sense.com

Thank you for purchasing this Wi-Fi smoke alarm. This user manual contains important information on installing and operating this smoke alarm. Please read this user manual before installation or operation, and save it for future reference.

Product Profile

Buzzer
Test/Silence Button
LED Indicator
AP Mode Button

Package Contents

1 ×Alarm Unit
1 ×Mounting Bracket
2 ×Screws
2 ×Anchor Plugs
1 ×User Manual
1 ×Pin

Safety Information

Dangers, warnings, and cautions alert you to important installation and operating instructions, or potential hazards. Please pay attention to the situations.

⚠️**IMPORTANT**

1. This device is not designed for hearing-impaired people. Use of alcohol or drugs may impair one's ability to hear the smoke alarm.
2. Fires in chimneys, walls, roofs, or behind closed doors may not be detected.
3. This device is not intended for detecting flames, heat, carbon monoxide, or other hazardous gases.

⚠️**WARNING**

1. Never ignore an alarm. Failure to respond can result in serious injury or even death.
2. The silence feature is only for your convenience and will not correct a problem. Always check your home for any potential hazards every time an alarm sounds.
3. Test this smoke alarm once a week. If the alarm fails to test correctly, replace it immediately! If the alarm is not working properly, it will not alert you to a problem.

Set Up and Connect Smoke Alarms to Wi-Fi

Before connecting smoke alarms, make sure that:

1. Know your Wi-Fi network name and password.

2. Make sure you are connecting smoke alarms to a 2.4 GHz Wi-Fi network (incompatible with 5 GHz Wi-Fi network).

NOTES:

1. Make sure you turn onsome permissions in the mobile phone settings. Otherwise, the app cannot add devices or will fail to receive push notifications.

2. Some contents shown in the App user interface might slightly differ from those in the user manual due to later software upgrades.

How to connect using EZ mode (Default mode)

1. Before installing the alarm to a wall or ceiling, download the TuyaSmart/Smart Life app and connect the alarm to your Wi-Fi via the app. Search for TuyaSmart/Smart Life in the App Store or Google Play, or simply scan the included QR code to install the TuyaSmart/Smart Life app. You will also need to register an account.

TuyaSmart App   (01)   Smart Life App
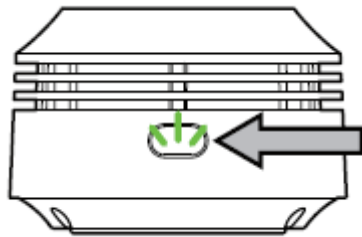
2. Remove the insulating film from the battery compartment to turn on the alarm. The LED indicator will flash red and then continuously flash green, indicating that the smoke alarm has been activated.

3. Open the TuyaSmart/Smart Life app, tap the "+" icon in the top right corner of the "Home" page, or directly tap "Add Device" to add your first device.

4. Go to "Sensors" - > "Sensor/Alarm" - > "Sensor/Alarm (Wi-Fi)" on the "Add Manually" page to enter the Wi-Fi connecting page.

5. Enter the Wi-Fi password.

NOTE: If your home Wi-Fi router is a 2.4 and 5 GHz dual-band that works with a single SSID name, please refer to your Wi-Fi router manual to create separate SSIDs for the 2.4 and 5 GHz channels. You can also select "Common router setting method" on the TuyaSmart/Smart Life App in the network configuration process to learn about the corresponding setting method.

6. To enable the smoke alarm to enter the Wi-Fi connection mode, hold down the test/silence button for 3 seconds. The smoke alarm will beep once, and the LED indicator will rapidly flash green.

7. After a successful connection, the LED indicator will stop flashing green. At this time, click the button "+" beside the device to successfully add the device. Then, select "Done." The added device will now be displayed on the Home page in the app.

NOTE: If you select "Done" without clicking "+," you will be reminded to choose to add a device in the app.
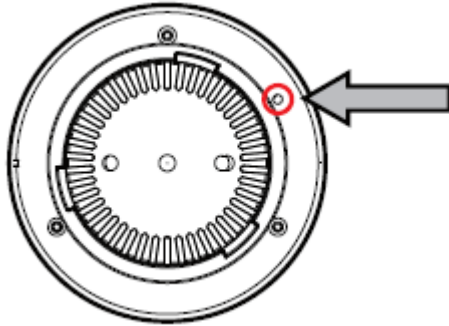

NOTES

- *The LED indicator will flash green rapidly for up to 2 minutes during configuration. If connection is unsuccessful, the smoke alarm will need to be reconnected. Remove the battery for a short period and start again from step 2.*
- *Unsuccessful connection may be because your router, mobile phone, and alarm are not as close to each other as possible, or that you have incorrectly entered your Wi-Fi password.*

8. Once you have successfully connected your device to the app, you can continue to the "Settings" section to set up push notifications and change various settings for the app and device. However, if the device still cannot connect to the app, you can try to set up the device using the following AP mode.

How to connect using AP mode (Alternative mode)

Some mobile phones and devices are not compatible with the EZ mode,so you will need to switch to the AP mode.

1. Insert a pin into the device pinhole on the back of the alarm and press down the inside button.

The alarm will beep once and the LED indicator will flash green slowly, indicating that the alarmhas entered the AP mode.

2. Go to the Wi-Fi setup page in the phone, and then select the device's hotspot with the default name "SmartLife-XXXX or "SL-XXXX". After successfully connecting to the Wi-Fi, return to the app and start network configuration.

3. After successful connection, the LED indicator will stop flashing green and the added device will be displayed on the "Home" page in the app.

NOTE: When using the EZ (default) mode for network configuration, the LED indicatorflashes quickly, on average 4 times per second; when using AP mode for network configuration, the LED indicatorflashes slowly, on average once per second.

App Settings

Notifications Settings

Under Settings (the gear wheel on the unit's home screen) you can adjust the type of notifications you want the smoke alarm to send. This can apply to both what is displayed on the screen and what is stored in the log.

One thing to keep in mind is that if you turn on many notifications, it may seem as if the device "alerts" about something constantly. For example, if you turn on "Device Self-Check Notification", you will receive a notification every time the unit performs a test after the test/silence button is pressed. The more information you activate, the more power the device will consume, as it creates more need for the device to transmit information, which means that the intervals for battery replacement will become shorter than the advertised one year.

Historical Data (Log)

To access historical data or the log, click the "Click for more" button located at the bottom of the Home screen for the unit.

Offline Notification

If you have an unstable network, it may be good to know how often the alarm loses connection and to perhaps improve the placement of your Wi-Fi router or change Internet provider. Alternatively, you may wonder why the S-WF240 loses contact with the Wi-Fi router or cloud server and flashes green from time to time. Therefore, it is recommended to turn on the "Offline Notification" so that you will receive a push notification if your device cannot connect to the app.

Turn on "**Offline Notification**" and a text will appear describing that if the device is battery powered, updates are made every 8 hours. This information will then be sent from the cloud server due to the device not having made contact within a specified time span. This does not mean that the device or your Wi-Fi router does not work properly, but for some reason the smoke alarm cannot reach the cloud server at regular intervals and then the warning is sent out.
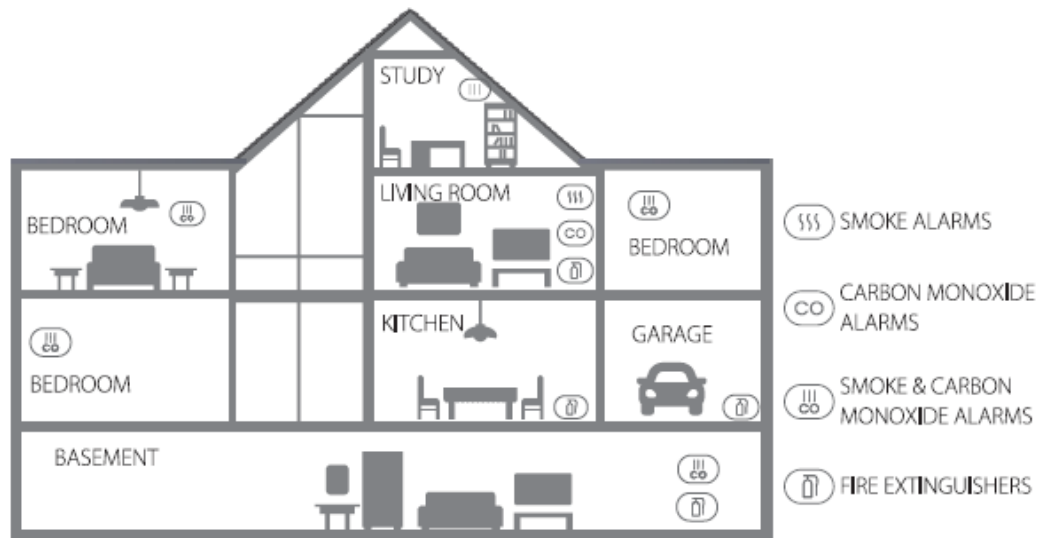
Alarm Test

1. Always make sure to test your smoke alarm when it is turned on for the first time, or whenever you change the battery or reconfigure the device. You should also test the device weekly, or whenever you have been away from home for a long time.

2. Briefly press the test/silence button. NOTE: if you hold down the button for more than three seconds, the smoke alarm will enter a reconnecting mode in the app and the previous settings will be cleared.

3. The unit beeps 3 times.

4. If your device has successfully connected to router, the LED indicator will flash red and then flash green rapidly for several seconds, indicating it has been connected.

5. When the test is finished, the alarm will automatically enter standby mode.

NOTES:
1. *The test function accurately tests the alarm's smoke sensing circuit without the need to test with smoke. If your smoke alarm fails to give an audible test signal, please refer immediately to the troubleshooting guide at the end of this manual. Never use an open flame to test this device.*

2. *If the LED indicator flashes green for 2 minutes during the test, then the connection was not successful and the alarm needs to be reconnected (repeat the steps in the section "Set Up and Connect Smoke Alarms to Wi-Fi").*
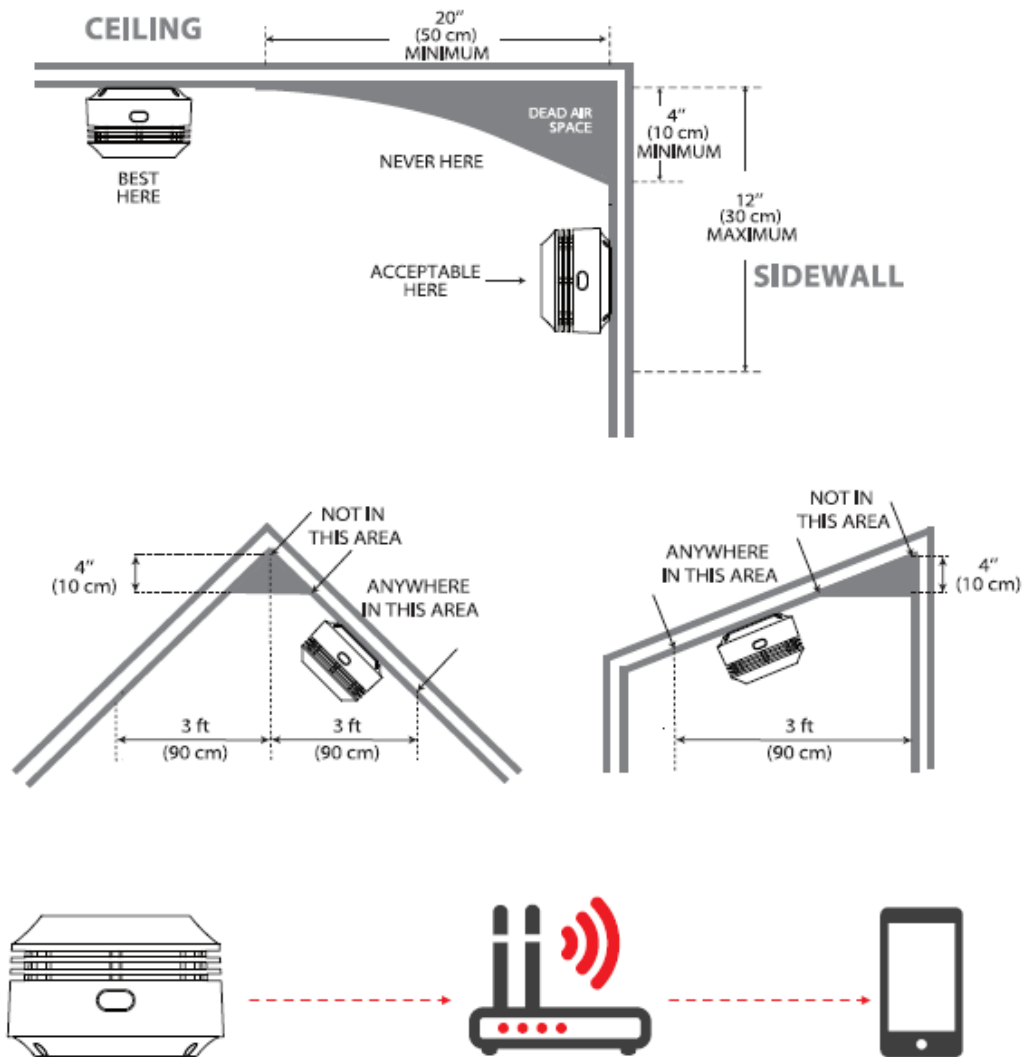
Installation Positioning

① Study
② Bedroom
③ Garage
④ Living Room
⑤ Kitchen
⑥ Basement
⑦ Smoke Alarms
⑨ Carbon Monoxide Alarms
⑩ Fire Extinguishers

NOTE:If a smoke alarm is installed in a kitchen, ensure it has an easily accessible silence button and install the alarm as far away from the stove and sink as possible to avoid false alarms.

1. Prioritize the installation of an alarm in the bedroom and walkways, and make sure you can hear the alarm from all sleeping areas. In a home with several bedrooms, install an alarm in every bedroom. If you install only one smoke alarm in your home, install the alarm near to all bedrooms where possible, and not in a basement or furnace room.
2. Install an alarm above the stairway and on every floor of the house.
3. Smoke, heat and anything burning will spread horizontally after rising to the ceiling, so install the alarm in the middle of the ceiling where possible. Ensure that the alarm is installed at the minimum distance away from corner.
4. If an alarm cannot be installed in the middle of a ceiling, install it at a distance of 20 inches (50 cm) away from the corners of the room.
5. If an alarm is installed onto a wall, a distance of 4-12 inches (10-30 cm) should be kept below the ceiling.
6. If the length of a room or hallway is greater than 30 feet (900 cm), several alarms should be installed in the same room.

7. When the wall or ceiling is angled, the alarm needs to be installed within 3 feet (90 cm) of the highest wall or ceiling point (measured horizontally) in the room.

8. To maintain a secure and stable Wi-Fi connection, please be sure to install the alarm within the router's coverage area and make sure that there are as few obstacles as possible between them.

① CEILING

② SIDEWALL

③ 20″ (50 cm) MINIMUM

④ 4″ (10 cm) MINIMUM

⑤ 12″ (30 cm) MAXIMUM

⑥ BEST HERE

⑦ DEAD AIR SPACE

⑧ NEVER HERE

⑨ ACCEPTABLE HERE

⑩ NOT IN THIS AREA

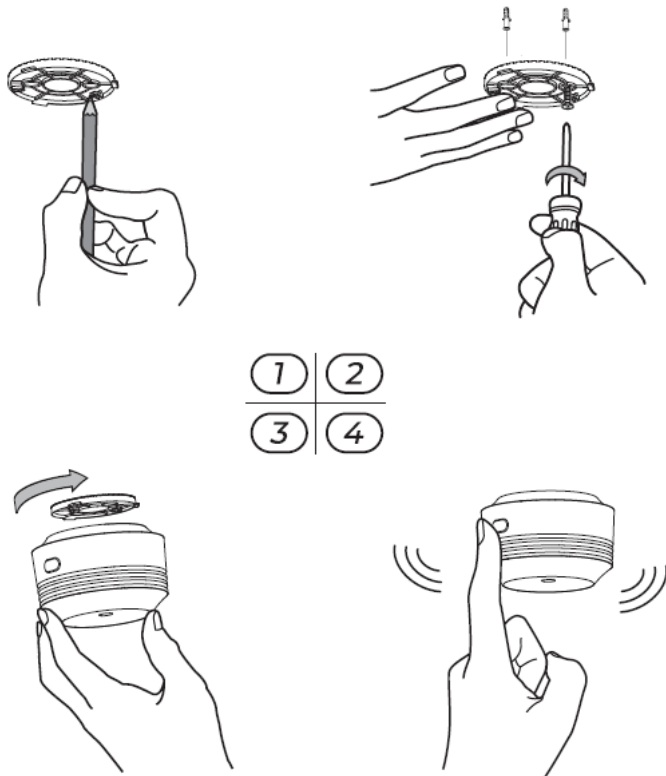⑪ ANYWHERE IN THIS AREA

⑫ 4″ (10 cm)

⑬ 3 ft (90 cm)

WARNING

1. THIS ALARM SHOULD BE INSTALLED BY A COMPETENT PERSON.

2. ALARMS SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE AND MAINTENANCE OF FUEL BURNING APPLIANCES INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.

3. TO PREVENT INJURY, THIS DEVICE SHOULD BE SECURELY ATTACHED TO THE CEILING OR WALL IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.

4. BATTERIES SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS DIRECT SUNLIGHT, FIRE, ETC.

Installation Method

NOTE: Before installation, we recommend you test the Wi-Fi alarms in the rooms you wish to install them in to ensure they are within range of the Wi-Fi router that nothing is interfering with their communication.

1. Use the mounting bracket to mark the screw holes on the ceiling or the wall.

2. Drill holes at the 2 marks using an appropriately-sized drill bit. Insert the anchor plugs and screw the mounting bracket using the screws provided.

3. Attach the alarm to the mounting bracket and turn clockwise to lock the alarm.

4. Test the alarm according to the steps in the section "Alarm Test".

Silence Function

If there is a false alarm, you can temporarily silence it by pressing the **Silence** button on the app or by pressing the Test/Silence button on the device. The LED indicator will flash red once every 5 seconds and you will receive an instant notification from the app, telling you that the device has been temporarily silenced.

The silence duration usually lasts for 9 minutes. After that, the device will return to standby mode, provided that the smoke concentration has dropped below the alarm level.

Note that the silence function will only silence the alarm for a short period. It will NOT correct any problems.

Device Status Checklist

Status	LED indicator	Audible alarm	Note
Standby Mode	The LED indicator flashes red once every 60 seconds.	None	/

Wi-Fi Connecting	The LED indicator flashes green 4 times every second.	1 beep	EZ Mode (Default mode)
	The LED indicator flashes green once every second.	1 beep	AP Mode (Alternative mode)
Test Mode	The LED indicator flashes red 3 times per second and then rapidly flashes green 4 times every second.	3 short quick beeps (1 beep per second)	/
Alarm Mode	The LED indicator flashes red once every second.	Short quick beeps	The app will immediately notify you of dangerous smoke near the smoke alarm.
Silence Mode	The LED indicator flashes red once every 5 seconds.	None	/
Low Battery	The LED indicator flashes red once every 60 seconds.	1 beep every 60 seconds	The app will send a low battery notification.
Malfunction	The LED indicator flashes red twice every 40 seconds.	2 beeps every 40 seconds	/

Technical Specifications

Power Supply	Replaceable 3 V CR123A lithium battery
Operating Life	10 years
Battery Life	1 year
Sensor Type	Photoelectric
Safety Standards	EN 14604:2005+AC:2008
Coverage Area	215–430 sq. ft (20–40 m^2)
Operating Temperature	40–100 °F (4.4–37.8°C)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Alarm Volume	≥ 85 dB at 3 m @ 3.2 ± 0.3 kHz pulsing alarm
Silence Duration	About 9 minutes
App	TuyaSmart/Smart Life (Android and iOS supported)
Wireless Frequency	2.4 GHz (Incompatible with 5 GHz Wi-Fi network)
Wireless Protocol	IEEE 802.11b/g/n

NOTES:

1. *Battery life is calculated on current ratings in the weekly test mode and standby mode. If the operation mode changes to an alarming condition, the battery life will be decreased accordingly.*

2. *This smoke alarm functions between 40 and 100 °F (4.4 and 37.8 °C). Prolonged exposure to lower or higher temperatures can reduce battery life and affect device performance. We do not recommend operating the device outside of this temperature range.*

Maintenance

General Maintenance

Follow the steps listed below for optimum long-term performance:

1. Test the device once a week by pressing the Test/Silence button, ensuring the device functions properly. Note that this only tests the electronics in your alarm rather than smoke.
2. Clean the alarm every three months. Remove the device from the ceiling or wall and clean the cover and vents with a soft, damp cloth. Be sure to properly reinstall the device after cleaning.
3. Do not clean the device with detergents or solvents, or spray air fresheners or hair spray near the device, as these may lead to a malfunction.
4. Do not paint the device, as it will seal the vents and reduce the sensitivity of the smoke sensors.
5. Do not tamper with this device, as this may lead to electrical shock or malfunction.
6. Do not disassemble the device to clean the interior. Doing so will void your warranty.

Weekly Test

Test the alarm once a week, when you turn on the device for the first time, and every time you replace the battery or reconfigure the device.
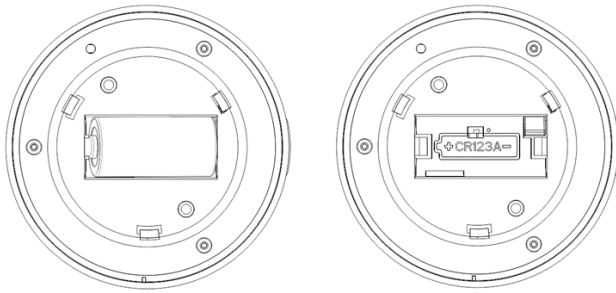
To test the alarm, press the Test/Silence button - the device should beep three times. If you hold down the Test/Silence button for longer than three seconds, the smoke alarm will re-enter the pairing process, and all previous settings will be erased.

Note that this will only test the electronics. If the device fails to deliver an audible test signal, please refer to the Troubleshooting section.

Battery Replacement

1. Remove the smoke alarm from the mounting bracket by twisting counterclockwise.
2. Take out the old battery and install a new one, making sure to match the battery's polarities.
3. Test the alarm by pressing the Test/Silence button on the device.
4. Attach the alarm onto the mounting bracket by twisting clockwise until it is firmly secured.

NOTE:When you replace the battery, the LED indicator on the alarm will flash red once and green for a few seconds, indicating the alarm is back online. If the LED indicator flashes green for longer than 2 minutes, you will need to re-add the alarm to the system by repeating the steps above.

Troubleshooting

Description	Problem	Solution
The device does not alarm during a test.	Dead batteries or improper operation	● Check the battery. ● Firmly press the Test/Silence button.
False alarms are triggered when cooking or taking a shower.	Improper installation location or maintenance	● Avoid placing alarms near cooking appliances, dusty areas, showers, or any areas where the temperature drops below 40 ℉ (4.4 ℃) or rises above 100 ℉ (37.8°C). See the "Installation Positioning"section. ● Clean the alarm every three months to avoid unwanted alarms caused by dust and dirt. See the "Maintenance' section.
The LED indicator flashes red once every 60 seconds with one beep.	Low battery warning.	Replace the battery immediately.
The LED indicator flashes red every 40 seconds with two beeps.	Malfunction.	Clean your alarm to see if it is functioning properly. If not, replace the device immediately.
The LED indicator flashes green during a test, or the app shows the smoke alarm as being "Offline".	Wi-Fi Disconnection.	Make sure the smoke alarm is installed within the router range and that there are no obstructions between the device and the router.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING：

The distance between user and device should be no less than 20cm.

Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with local authorities or retailers for recycling advice.

Manufacturer and Service Information

Smartie International LLC
Address: 160 Greentree Dr, Dover, DE 19904, USA
Email: support@aegislink.co.uk