

	料号	F800004000150	版本号	V1.0
	品名	APZ-iR 说明书 _ 美规	设计师	罗敏
	材质	70g 书纸	时间码	2025112501
	工艺	单黑印刷，骑马钉		
	尺寸	110x110mm		
	公差	± 1mm		

备注：此页无需印刷



Smoke & Carbon Monoxide Alarm

Replaceable Battery

User Manual

Model: APZ-iR

Contents

1 Introduction	01
2 How to Connect	09
3 How to Install	12
4 Functions' Overview	18
5 Daily Maintenance	21
6 Audio-Visual Indicators	22
7 Troubleshooting	25
8 Statement	27
9 Manufacturer and Service Information	29

This user manual contains important information about your combination smoke and carbon monoxide alarm's operation. To ensure proper use and trouble-free operation, please read this manual carefully and store it in a safe place for future reference.

1 Introduction

This Aegislink combination smoke and carbon monoxide alarm detects both smoke and carbon monoxide. This unit adopts photoelectric technology to detect smoke, which is generally more sensitive than ionization technology. It is effective at detecting large particles, which tend to be produced in greater amounts by smoldering fires. These types of fires may smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning on couches or bedding. Carbon monoxide (CO) is odorless, tasteless, and invisible—it's a silent killer. Using electrochemical sensing technology, this unit can detect increased levels of carbon monoxide early, protecting your family from the dangers of carbon monoxide.

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. CAUTION: READ THE INSTRUCTIONS CAREFULLY BEFORE OPERATING OR SERVICING.
2. THIS DEVICE IS NOT DESIGNED FOR HEARING-IMPAIRED PEOPLE. USE OF ALCOHOL OR DRUGS MAY IMPAIR ONE'S ABILITY TO HEAR THE SMOKE ALARM.
3. FIRES IN CHIMNEYS, WALLS, ROOFS, OR BEHIND CLOSED DOORS MAY NOT BE DETECTED.
4. THIS ALARM WILL ONLY INDICATE THE PRESENCE OF CARBON MONOXIDE GAS AT THE SENSOR. CARBON MONOXIDE GAS MAY BE PRESENT IN OTHER AREAS.
5. IT IS NOT TESTED FOR USE IN A CARAVAN OR BOAT.
6. THIS PRODUCT IS INTENDED FOR USE IN ORDINARY INDOOR LOCATIONS OF FAMILY LIVING UNITS.

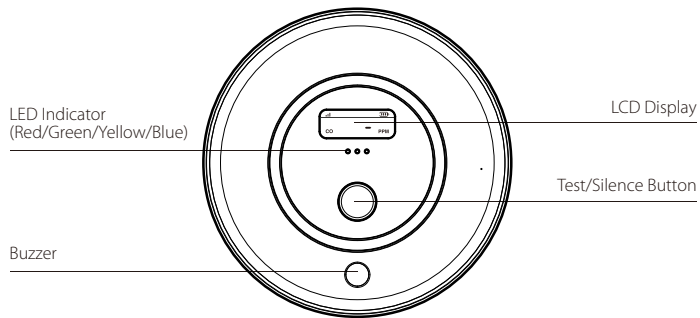
WARNING

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 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.
4. THIS ALARM SHOULD BE INSTALLED BY A COMPETENT PERSON.
5. ALARMS SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE, AND MAINTENANCE OF FUEL-BURNING APPLIANCES, INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.
6. BATTERIES SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT, SUCH AS DIRECT SUNLIGHT, FIRE, ETC.
7. IF THE DEVICE IS TAMPERED WITH, THERE MAY BE A RISK OF ELECTRIC SHOCK OR MALFUNCTION.

1.1 Product Overview



1.2 Technical Specifications

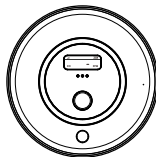
Power Supply	3 V (≡) CR123A lithium battery x 1 (replaceable)
Battery Life	1 year (test once a week)
Maximum Service Life	10 years
Sensor Type	Smoke: Photoelectric CO: Electrochemical
Smoke Sensitivity	1.02-1.66% obs/ft
CO Sensitivity	70 ppm for 60-240 minutes 150 ppm for 10-50 minutes 400 ppm for 4-15 minutes
Operating Temperature	40-100°F (4.4-37.8°C)
Operating Relative Humidity	10%-85% RH (non-condensing)
Alarm Noise Level	≥ 85 dB at 10 ft (3 m) @ 3.2 ± 0.3 kHz pulsing alarm
Silence Duration	≤ 9 minutes

Number of Allowed Devices	One app account can create up to 5 houses. Each house can add 1 base station and 49 Wi-Fi products. The Wi-Fi products can include this product as well as other Aegislink Wi-Fi products.
App	Aegislink APP (both Android and iOS supported)
Band	2400–2483.5 MHz (incompatible with 5 GHz Wi-Fi network)
Wi-Fi Transmission Range	About 164 ft (50 m) Within the router's coverage area
Wireless Protocol	IEEE 802.11b/g/n

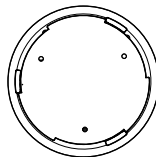
NOTES:

1. Battery life is calculated on the current ratings in the standby mode with weekly testing. If its operation mode changes to an alarming condition, the battery life will be decreased accordingly.
2. This alarm functions between 40 and 100°F (4.4 and 37.8°C). Prolonged exposure to temperatures outside of this range can reduce battery life and affect accuracy. We do not recommend operating the device outside of this range.

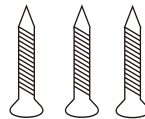
1.3 Package Contents



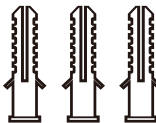
Alarm Unit



Mounting Bracket



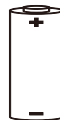
Screws



Anchor Plugs



User Manual



CR123A Battery
(Pre-installed)

1.4 CO Concentration and Symptoms

The following symptoms are related to **CARBON MONOXIDE POISONING** and are to be discussed with **ALL** members of the household:

Levels of Exposure	Symptoms
Mild Exposure	Slight headache, nausea, vomiting, fatigue (often described as "flu-like" symptoms).
Medium Exposure	Severe throbbing headache, drowsiness, confusion, fast heart rate.
Extreme Exposure	Unconsciousness, convulsions, cardio-respiratory failure, death.

WARNING

1. THIS APPARATUS IS DESIGNED TO PROTECT INDIVIDUALS FROM THE ACUTE EFFECTS OF CARBON MONOXIDE EXPOSURE. IT WILL NOT FULLY SAFEGUARD INDIVIDUALS WITH SPECIFIC MEDICAL CONDITIONS. IF IN DOUBT, CONSULT A MEDICAL PRACTITIONER.
2. MANY CASES OF REPORTED CARBON MONOXIDE POISONING INDICATE THAT WHILE VICTIMS ARE AWARE THEY ARE NOT WELL, THEY BECOME SO DISORIENTED THEY ARE UNABLE TO SAVE THEMSELVES BY EITHER EXITING THE BUILDING OR CALLING FOR ASSISTANCE. YOUNG CHILDREN AND HOUSEHOLD PETS ARE TYPICALLY THE FIRST AFFECTED.

1.5 What to Do When the Alarm Sounds

WARNING

If the CO Alarm Sounds

Actuation of your CO alarm indicates the presence of carbon monoxide (CO), which can KILL YOU. If the alarm signal sounds:

1. Operate the test/silence button;
2. Call your emergency services [Fire Department or 911];
3. Immediately move to fresh air—outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not reenter the premises nor move away from the open door/window until the emergency services have arrived, the premises have been aired out, and your alarm remains in its normal condition;
4. After following steps 1-3, if your alarm reactivates within 24 hours, repeat steps 1-3 and call a qualified appliance technician to investigate sources of CO from fuel-burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturer's instructions, or contact the manufacturer directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not operating in an attached garage or adjacent to the

residence.

If the Smoke Alarm Sounds

1. Don't tackle fires yourself. Leave it to the professionals.
2. Keep calm and act quickly, ensuring everyone follows the pre-planned escape route to evacuate the building quickly and safely.
3. Don't waste time investigating what's happened or rescuing valuables.
4. If there's smoke, keep low where the air is clearer. Inhaling smoke is the leading cause of death.
5. Before you open a door check if it's warm. If it is, don't open it, as there may be a fire on the other side.
6. Call emergency services as soon as you're clear of the building.
7. Do not return to the scene of the fire unless firefighters confirm it's safe.

1.6 More Detailed Information on Conditions Which Can Result in Transient CO Situations, Such as:

- a. Excessive spillage or reverse venting of fuel-burning appliances caused by:
 - a. Outdoor ambient conditions such as wind direction and/or velocity, including high gusts of wind; heavy air in the vent pipes (cold/humid air with extended periods between cycles).
 - b. Negative pressure differential resulting from the use of exhaust fans.
 - c. Simultaneous operation of several fuel-burning appliances competing for limited internal air.

- d. Vent pipe connection vibrating loose from clothes dryers, furnaces, or water heaters.
 - e. Obstructions in unconventional vent pipe designs amplify the above situations.
2. Extended operation of unvented fuel-burning devices (range, oven, fireplace, etc.).
 3. Temperature inversions, which can trap exhaust gases near the ground.
 4. Car idling in an open or closed attached garage, or near a home.

2 How to Connect

2.1 App Download

Download the Aegislink App



Download on the
Apple App Store



GET IT ON
Google Play

To download the app, search for “**Aegislink**” in the Apple App Store or Google Play, or simply scan the QR code. Create an account using a valid email address. If you already have an account, make sure it is updated to the latest version.

NOTE: Make sure your smartphone supports iOS 11 and higher, or Android 8.0 and higher.

2.2 App Features

Push Notifications: You will receive push notifications on the app for smoke/carbon monoxide alarms, danger cleared, low battery, device malfunction, end of life, etc.

NOTE: You can choose to receive app push notifications when any change is made to your system. It is highly recommended that you limit push notifications, as too many notifications can become redundant and load your phone, which can quickly become a nuisance. Furthermore, the more push notifications you allow, the more power your alarm will consume, which will reduce battery life.

Device Sharing: You can share the device with your family members and friends. They will receive app push notifications for alarms and have the ability to silence the device, view historical events, etc.

Record History: You can view the device's notification history through the app.

Offline Notifications: Offline notifications are used to notify you if the alarm disconnects from the Wi-Fi. Note that this notification may not be sent instantly, as the alarm reports to the cloud service center at set intervals.

2.3 Wi-Fi Pairing Preparation

Before connecting devices, make sure that:

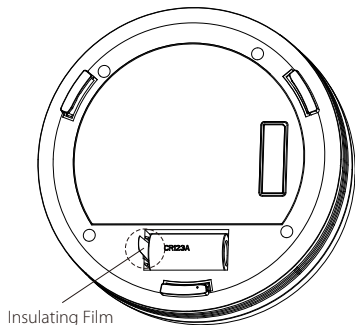
1. You know your Wi-Fi network name and password.
2. You are connecting your device using a 2.4 GHz Wi-Fi network (incompatible with a 5 GHz Wi-Fi network).
3. Make sure the Bluetooth on your phone is turned on.

NOTE: When the device is configured via Wi-Fi, make sure your mobile phone and devices are as close to the router as possible, which can speed up device configuration.

2.4 Power-On Instruction

To Activate the Device

This device is equipped with a battery insulating film to ensure it will not be powered on during transportation before it has been shipped from the factory. When installing this product, you will need to pull out the film before powering on and activating the device.



2.5 Setup Steps

Add a Combination Smoke and Carbon Monoxide Alarm

1. Tap "⊕" in the top right corner of the app homepage, select "Combination Alarms", then select "Wi-Fi Combination Alarms (APZ-iR)".
2. Remove the insulating film to power up the alarm and tap "Next".
3. Enter a name for the alarm. Select the home you created or create a new home for the alarm, then select the room in which it is installed. If you create a new home, you will need to enter a name and select the country or region in which you live. After selecting the room, tap "Next" to add a device.
4. Press and hold the test/silence button on the alarm for 5 seconds until it flashes blue. Before the light goes off, immediately connect to a 2.4 GHz Wi-Fi network and make sure you enter the correct password, and then tap "Next"; otherwise, you need to repeat the step to make the LED indicator flash blue again.

NOTE: If your mobile phone finds two or more devices waiting to connect to the network, you need to tap to select the corresponding device you want to add.

5. Then, the alarm will enter the pairing process. Make sure the LED indicator is still flashing blue; otherwise, you need to press the test/silence button to make it flash blue again.
6. When successfully connected, the device will beep once, the backlight turns off, and the LED stops flashing. You will see the Wi-Fi combination alarm on the app's device list.

NOTES:

1. If you fail to add the alarm to the network within 2 minutes, the device will automatically exit the network configuration. To re-enter the network configuration, you need to repeat the above steps.
2. If your router supports a dual-band network with both 2.4 GHz and 5 GHz, please create separate SSIDs for the 2.4 GHz and 5 GHz channels. This device is only compatible with a 2.4 GHz Wi-Fi network.
3. To promote a successful Wi-Fi connection, make sure you place the alarm within the router's range and that you enter the correct password.

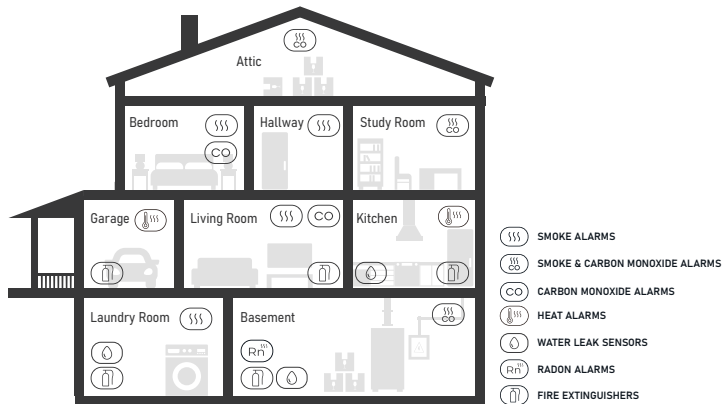
2.6 Exit the Network

Quickly press the Test/Silence button 4 times; it will beep once, and the LED will flash blue slowly. Then, hold down the button until the LED flashes blue quickly and beeps once more to disconnect. After disconnecting, the device can be reconnected to the network.

NOTE: If you quickly press the test button while the LED indicator is slowly flashing blue, the device will return to standby mode.

3 How to Install

3.1 Where to Install



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

Ideally, a carbon monoxide alarm should be installed in every room containing a fuel-burning appliance, and one in every bedroom.

However, if the number of carbon monoxide alarms available is limited, the following guidelines should be considered when choosing the best places to install an alarm(s):

1. If there is a fuel-burning appliance in a bedroom, a CO monitor should be installed.
2. Install an alarm in rooms containing a flueless or open-flued appliance.
3. Install an alarm where residents spend most of their time.
4. In a studio apartment, a CO alarm should be placed as far away from the cooking appliances as possible, but close to where the person sleeps.
5. If the appliance is in a room not normally used (such as a boiler room), the CO alarm should be placed just outside of this room so that the alarm can be heard more easily.

3.2 Improper Locations for Installation

Improper location can affect the sensitive electronic components in this alarm. To avoid causing damage to the unit, to provide optimum performance, and to prevent unnecessary nuisance alarms, **do not locate alarms** in the following areas:

1. In garages or any extremely dusty, dirty, or greasy areas.
2. Where there is the possibility of smoke or fumes under normal operating circumstances.
3. In poorly ventilated kitchens, garages, and furnace rooms. Keep the alarm at least 5 feet (1.5 m) from potential smoke or fume sources (e.g., stoves, furnaces, water heaters, space heaters) if possible.
4. In areas where a 5 feet (1.5 m) distance from a potential smoke or fume source is not possible. In modular, mobile, or smaller houses, it is recommended that the alarm be placed as far from any potential smoke or fume sources.
5. Within 5 feet (1.5 m) of any cooking appliance.
6. In extremely humid areas. This alarm should be at least 10 feet (3 m) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room, or other source of high humidity.
7. In areas where the temperature is colder than 40°F (4.4°C) or hotter than 100°F (37.8°C). For example, non-air-conditioned crawl spaces, unfinished attics, uninsulated or poorly insulated ceilings, porches, and garages.
8. Where the air is turbulent, such as near ceiling fans, heat vents, air conditioner vents, fresh air return vents, or open windows. Excessive air flow may prevent any CO from reaching the sensors.
9. In direct sunlight.
10. Near large metal surfaces and/or bundles of wire.
11. Near fluorescent lights, amateur radios, electrical equipment, or other devices that may transmit an RF signal, as electronic noise may cause nuisance alarms.

3.3 Specific Locations of Installation

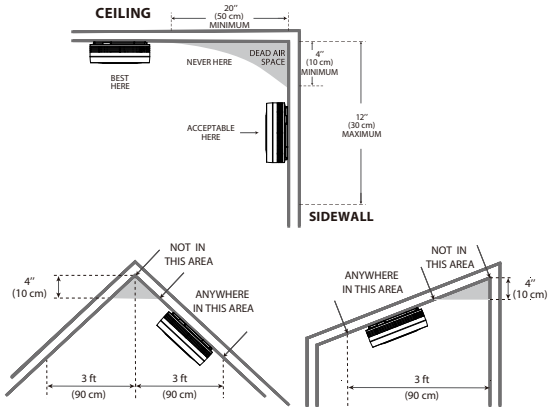
Important Information About Installing a Combination Smoke and CO Alarm:

According to certification requirements, when both smoke and CO alarms are triggered simultaneously, the device must prioritize the smoke alarm. To ensure optimal smoke detection performance, the combination alarm should be installed in the same manner as a smoke alarm—on the ceiling or high on a wall.

You do not need to worry that this installation height will affect CO detection. When carbon monoxide is released, it will mix with the air and disperse throughout the entire room. As a result, it does not remain concentrated in either the upper or lower layers of the room, allowing a ceiling- or high-wall-mounted alarm to effectively detect it.

1. Prioritize the installation of an alarm in the bedroom and hallways, 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 alarm in your home, install the alarm near 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 the alarm is within working distance of all corners of the room.
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 on a wall, it should be at a distance of 4-12 inches (10-30 cm) below the ceiling.
6. If the length of a room or hall is beyond 30 feet (900 cm), you will need to install several alarms 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.



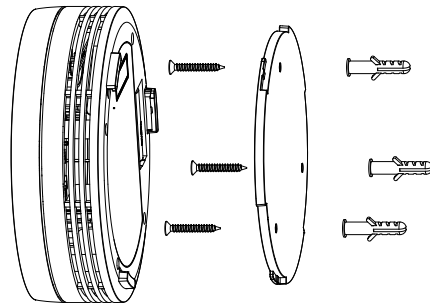
⚠️ WARNING

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

3.4 Installation Instructions

1. Drill three Ø 6.0 mm holes in the wall or ceiling, then insert three plastic anchor plugs into the holes with a hammer.
2. Attach the mounting bracket to the surface of the wall or ceiling with three screws and mount the alarm into the bracket by pushing them together and twisting the unit clockwise.

3. Test the unit by using the Test/Silence button. Ensure the unit sounds in an alarm pattern.



3.5 Alarm Testing After Installation

Be sure to test your alarms when you turn them on for the first time, or when the installation is finished. In addition to the weekly tests you should perform, it is recommended to test the alarm after returning from a long trip or vacation.

⚠️ WARNING

1. NEVER USE AN OPEN FLAME OF ANY KIND TO TEST THIS UNIT. YOU MIGHT ACCIDENTALLY DAMAGE OR SET FIRE TO THE UNIT OR TO YOUR HOME.
2. NEVER USE A VEHICLE EXHAUST TO TEST THIS UNIT. EXHAUST FUMES MAY CAUSE PERMANENT DAMAGE AND VOID YOUR WARRANTY.
3. DO NOT STAND CLOSE TO THE ALARM WHEN THE ALARM IS SOUNDING. EXPOSURE AT CLOSE RANGE

MAY BE HARMFUL TO YOUR HEARING. WHEN TESTING, STEP AWAY WHEN THE ALARM BEGINS TO SOUND.

Action	Push the Test/Silence button.
Device Response	The device beeps 2 sets of 3 long beeps followed by 2 sets of 4 quick beeps, and the LED will flash red.
App	The app will show a test notification, and a push notification will be sent to your smartphone by the app.

NOTE: The test function accurately tests the alarm's sensing circuit without the need to test CO/Smoke. If your alarm fails to emit an audible test signal, refer to the "Troubleshooting" section at the end of this manual immediately.

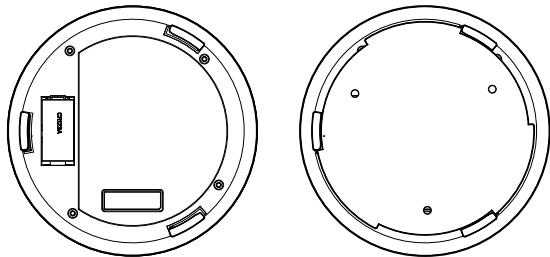
3.6 Battery Replacement

When the LCD displays the "Lb" message, the LED indicator flashes yellow once every 60 seconds, and the buzzer chirps. Remove the old batteries and replace them with new batteries.

After replacing the battery in the device and ensuring that it is powered on successfully, the device will operate normally. For indications of battery replacement, refer to the **"Audio-Visual Indicators"** section.

NOTE: Rechargeable batteries are not allowed, as others may negatively impact operation.

1. To replace the battery, detach the smoke alarm from the mounting bracket by twisting counterclockwise.
2. Remove the battery, and then install a new battery, matching the correct polarity markings.
3. Test the alarm, and then mount the alarm onto the mounting bracket by twisting clockwise to lock the alarm.



⚠ WARNING

1. KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
2. IN THE EVENT OF A BATTERY LEAKING, DO NOT ALLOW THE LIQUID TO COME INTO CONTACT WITH THE SKIN OR EYES. IF CONTACT HAS BEEN MADE, WASH THE AFFECTED AREA WITH COPIOUS AMOUNTS OF WATER AND SEEK MEDICAL ADVICE IMMEDIATELY.
3. NEVER CHARGE A BATTERY UNLESS IT IS A RECHARGEABLE BATTERY.
4. DO NOT MIX ALKALINE, STANDARD (CARBON-ZINC), OR RECHARGEABLE (NI-CD; NI-MH) BATTERIES.
5. DIFFERENT TYPES OF BATTERIES OR NEW AND USED OLD BATTERIES, ARE NOT TO BE MIXED. DO NOT MIX BATTERIES OF DIFFERENT MANUFACTURERS, CAPACITIES, OR SIZES.
6. BATTERIES MUST BE INSERTED WITH THE CORRECT POLARITY. REPLACEMENT OF A BATTERY WITH AN INCORRECT TYPE CAN DEFEAT THE SAFEGUARD. THERE WILL BE A RISK OF FIRE OR EXPLOSION IF A BATTERY IS REPLACED BY AN INCORRECT TYPE.

7. TEST THE ALARM FOR CORRECT OPERATION USING THE TEST FACILITY, WHENEVER THE BATTERY IS REPLACED.
8. CONSTANT EXPOSURES TO HIGH OR LOW TEMPERATURES OR HIGH HUMIDITY MAY REDUCE BATTERY LIFE.
9. USE ONLY BATTERIES SPECIFIED IN MARKING. USE OF A DIFFERENT BATTERY WILL HAVE A DETRIMENTAL EFFECT ON SMOKE ALARM OPERATION.

4 Functions' Overview

4.1 Test Mode

The test/silence button is used to test the unit's electronics and to silence the unit during an alarm.

When testing the alarm weekly, press the test button. The LCD backlight will turn on, indicating that the alarm has entered the test mode. The app will send a test push notification to your smartphone. Please refer to the **"Alarm Testing After Installation"** section for further information. The alarm goes back to the standby mode after testing.

NOTE: After a test has begun, the alarm will sound, and the LED indicator will flash red. This does not indicate that smoke/CO is present. If you press the test button during an alarm state, the unit will enter the silence mode.

4.2 Alarm Mode

CO Alarm Levels

This alarm complies with UL 2034 standard: when CO concentration is below 30 PPM, the LCD will not show the specific value; when CO concentration is between 30 and 70 PPM, the LCD will show the specific value, but no audible or visual indicators will be triggered; when CO concentration reaches 70 PPM or above, the device will emit an audible and visual indicators within the standard-required time.

When CO concentration is below 30 PPM: The LCD will show "CO-PPM".

NOTE: A CO concentration below 30 PPM is generally considered a normal fluctuation.

1. Ensure good ventilation.
2. Make sure to turn off all combustion appliances after use.
3. If the device continuously shows "CO-PPM" but individuals feel unwell, everyone should immediately move

to fresh outdoor air and seek medical advice. Afterward, have a professional inspect the home's combustion appliances and ventilation system.

When CO concentration is between 30 and 70 PPM: The LCD will show the CO concentration value, but no audible or visual indicator will be triggered.

NOTE: CO concentration has exceeded normal daily levels and requires active investigation and reduction.

1. Immediately increase ventilation—open doors and windows and turn on exhaust fans.
2. Check potential sources—turn off or temporarily discontinue use of stoves, gas water heaters, and any combustion equipment.
3. Monitor the concentration levels—if the concentration drops below 30 PPM after ventilation, normal activities can resume, but it is recommended to maintain the related combustion equipment.
4. If the concentration remains above 30 PPM for over 30 minutes or if individuals feel unwell, everyone should immediately move to fresh outdoor air and seek medical advice. Afterward, have a professional inspect the home's combustion appliances and ventilation system.

When CO concentration exceeds 70 PPM: The LCD will show the CO concentration value, and the device will emit an audible and visual indicator within the standard-required time.

NOTE: Please refer to the section titled **"If the CO Alarm Sounds"**.

This device complies with UL 2034 standard and is programmed to sound an alarm at the following CO concentrations within the periods listed:

**70 ppm for 60–240 minutes,
150 ppm for 10–50 minutes,
400 ppm for 4–15 minutes.**

1. If the Alarm Is Triggered by Smoke:

When the device detects smoke, the unit will beep 3 times every 4 seconds, and the LED will flash red.

2. If the Alarm Is Triggered by CO:

When the device detects CO, and the CO ppm reaches a certain level for a while, the unit will beep 4 times every 5.8 seconds, and the LED will flash red.

The app will show a "Smoke Alarm Triggered" or "CO Alarm Triggered" notification, and an app push notification will be sent to your smartphone.

The CO concentration is shown through the in-app message and push notifications. You can also check the CO concentration in the history section of the app.

When the smoke or CO concentration drops below the alarm threshold, the audio and visual indicators will cease and automatically enter the standby mode. When the alarm ends, an app push notification will be sent to your smartphone.

WARNING

1. ANY REMOTE SILENCING FUNCTION CAN ONLY BE

USED WITHIN THE LINE OF SIGHT OF THE ALARM.

2. IF THERE IS ANY DOUBT ABOUT THE CAUSE OF THE ALARM, IT SHOULD BE ASSUMED THAT THE ALARM WAS TRIGGERED BY DANGEROUS LEVELS OF CARBON MONOXIDE, AND THE RESIDENCE SHOULD BE EVACUATED.

4.3 Silence Mode

If you press the test/silence button during an alarm state, the unit will enter the silence mode.

Smoke Silence Mode: Press the test button during an alarm to have the unit enter silence mode for 9 minutes.

If the smoke concentration has reached an alarm level, after the silence time has expired, this unit will continue to alarm until the smoke concentration decreases to a safe, low level. Otherwise, the alarm will enter the normal mode after 9 minutes.

CO Silence Mode: Press the test button during an alarm to have the unit enter silence mode. If the CO density still exceeds the alarm threshold after 6 minutes, the unit will re-enter the alarm state. Otherwise, the unit will exit the silence mode after 9 minutes and resume normal operation.

NOTES:

- 1. If the smoke concentration is too high, the silence mode cannot be enabled. This unit will continue to alarm until the smoke concentration has decreased to a low level.*
- 2. In alarm mode, you can tap the "Silence" button in the app to silence the alarm. In non-alarm mode, the "Silence" button in the app is disabled.*
- 3. Before using the silence function in the app, please confirm the situation at the alarm site. Using the silence function indicates that you have taken appropriate measures to locate, identify, and mitigate the smoke event. If this is a life-threatening situation, leave the home immediately.*
- 4. As required by regulations, the silence function in the app can only be used when you are near the source of the alarm (ensure that your phone and the alarm are connected to the same Wi-Fi network).*

4.4 Low-Battery Mode

If the battery is low, the unit will chirp once, and the LED indicator will flash yellow every 60 seconds to indicate that the battery needs replacement. The LCD displays the "Lb" icon. A low battery notification will be sent to your smartphone by the app.

If you press the test button when the battery is low, the chirp will temporarily stop for 10 hours, but the LED flashes yellow once every 60 seconds.

NOTE: When the battery voltage falls below a certain voltage value, the device cannot be silenced again.

When the device is in low battery status, push notification will be sent for alarm activation and alarm termination.

During a CO alarm, the CO concentration at the time of the alarm will be uploaded, but the concentration value will no longer be updated to the app every 30 seconds (the CO concentration will not be refreshed in the app during the CO alarm). In addition, the device cannot be silenced via the app.

4.5 Fault Mode

When the device sensor fails (including sensor open circuit and short circuit), the LED will flash yellow twice every 60 seconds, accompanied by two beeps, and the LCD will display "Err/E03/E04". The fault alarm cannot be silenced, and the product should be replaced immediately.

4.6 End-of-Life Mode

Once the maximum lifetime (10 years) is reached, the alarm will emit 3 beeps and the LED indicator will flash yellow 3 times every 60 seconds. This end-of-life signal can be silenced temporarily for 22 hours by pressing the test button. During the silence period, the LED will flash yellow 3 times every 60 seconds.

The end-of-life silence feature can only be used for a total of 30 days. After 30 days, the end-of-life signal cannot be silenced. During this end-of-life silence period, your alarm continues monitoring CO and smoke, and provides protection as usual.

4.7 Smoke Chamber Contamination

If the core part of the smoke sensor, the smoke chamber, is contaminated by the surrounding environment, causing abnormal operation, the device's LED will flash yellow 4 times every 60 seconds, accompanied by 4 beeps, and the LCD will display E05. The smoke chamber contamination alarm cannot be silenced. Please keep the area around the device clean, remove the device from the ceiling, vacuum the outside of the device with a vacuum cleaner fitted with a soft brush attachment, and reinstall the device on the ceiling. If the alarm persists, replace the device immediately.

5 Daily Maintenance

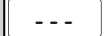
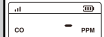
To keep your alarm in good working order, follow these simple steps:

1. Verify the unit's alarm sound and indicator are working properly by testing the unit once a week.
2. As a minimum, your alarm should be cleaned once every 3 months: Remove the unit from the ceiling and clean the alarm cover and vents with your vacuum cleaner fitted with the soft brush attachment to remove dust and dirt.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray, or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect fire.
6. Never attempt to disassemble the unit or clean inside. Doing so will void your warranty.
7. When removed, place the alarm back in its proper location as soon as possible to assure continuous protection from fire.
8. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

!WARNING

DO NOT TAMPER WITH THE APPARATUS, AS THERE IS A RISK OF ELECTRIC SHOCK OR MALFUNCTION.

6 Audio-Visual Indicators

Mode	LCD Display	LED Indicator	Audible Alarm	Remarks	
Powering On	First-time use without connecting to the Wi-Fi.		1 quick beep.	Make sure the battery insulating film is removed and the device is turned on.	
	The battery is replaced, and the device has been connected to the Wi-Fi before.			Make sure the battery is properly installed and the device is turned on.	
Standby Mode			Flashes green once every 60 seconds.	None.	Normal network connection status.
Alarm Mode	The unit detects smoke and initiates an alarm.		Flashes red 3 times every 4 seconds.	3 long beeps every 4 seconds.	Dangerous smoke concentration is detected. The app will show a "Smoke Alarm Triggered" message, and an app push notification will be sent to your smartphone. Move to the air immediately. Cancellation: When the smoke concentration falls below the alarm threshold, the audible and visual indicators will stop, and the device will automatically enter standby mode.

	The unit detects CO and initiates an alarm.		A CO concentration ranging from 70 to 999 ppm has been present for a certain period. The LED indicator flashes red 4 times every 5.8 seconds.	During the first 4 minutes, the alarm emits 4 quick beeps, repeating every 5.8 seconds. After 4 minutes, the interval between two alarm sound cycles extends to 60 seconds.	Dangerous CO concentration is detected and has reached the alarm status. The app push notification will be sent to your smartphone. Immediately move to fresh air. Alarm cancellation: When the carbon monoxide concentration falls below the alarm threshold, the audible and visual indicators will stop, and the device will automatically enter standby mode.
	Unit detects CO (alarm not initiated).		A CO concentration level ranging from 70 to 999 ppm has been detected, but for less than the allotted detection period. The LED indicator flashes green once every 60 seconds.	None.	Dangerous CO concentration is detected, but has not reached the alarm status. Potentially dangerous CO conditions exist. The app will show a "CO Alarm Precaution" message, and an app push notification will be sent to your smartphone. Please search for the CO source first. Open nearby windows and doors and immediately move to fresh air.
Test Mode		  	2 sets of 3 flashes red, followed by 2 sets of 4 flashes red.	2 sets of 3 long beeps followed by 2 sets of 4 quick beeps.	Press the Test/Silence button.
Silence Mode			Flashes red 3 times every 4 seconds.	None.	Smoke silence mode: After 9 minutes, the unit will exit silence mode.

		Flashes red 4 times every 5.8 seconds.	None.	CO silence mode: After 9 minutes, the unit will exit silence mode.
		Flashes yellow once every 60 seconds.	None.	Silence mode during low battery: After 10 hours, the unit will exit silence mode.
		Flashes yellow 3 times every 60 seconds.	None.	Silence mode at the end of the cycle: After 22 hours, the unit will exit silence mode.
		Flashes green 3 times.	None.	Exit silence mode.
Low Battery		Flashes yellow once every 60 seconds.	1 beep every 60 seconds.	Replace the battery immediately.
Fault		Flashes yellow twice every 60 seconds.	2 beeps every 60 seconds.	Replace the unit immediately.
				
				
Smoke Chamber Contamination		Flashes yellow 4 times every 60 seconds.	4 beeps every 60 seconds.	Keep the area around the product clean. Remove the unit from the ceiling and use a vacuum cleaner with a soft-brush attachment to clean the exterior of the device. Then, reinstall the unit on the ceiling. Observe the device; if the fault persists, replace the device immediately.
End of Life		Flashes yellow 3 times every 60 seconds.	3 beeps every 60 seconds.	Replace the unit immediately.

7 Troubleshooting

NOTE: If the alarm cannot function properly, please contact us for advice.

PROBLEM	SOLUTION
The device is not triggered when it is tested with smoke.	Cause 1: The device is not turned on. Solution: Remove the battery insulating film. If the battery is depleted, please replace it.
	Cause 2: The smoke is not reaching the sensor properly. Solution: Smoke must enter the smoke sensor through the side openings to activate the device.
	Cause 3: The time duration is insufficient for the device to detect smoke. Solution: Continuous smoke exposure is necessary for the device to be triggered. When smoke reaches the smoke sensor, the device will be activated within about 20 seconds.
	Cause 4: Insufficient smoke concentration. Solution: This product utilizes a photoelectric sensor, requiring sufficient smoke concentration for detection. Higher smoke levels lead to faster alarm response. Avoid using an open flame for testing.
The alarm does not sound during a test.	Cause 1: The device is not turned on. Solution: Remove the battery insulating film. If the battery is depleted, please replace it.
	Cause 2: You don't push the test/silence button firmly. Solution: Make sure you push the test/silence button firmly.
False alarms are triggered intermittently or when residents are cooking, taking showers, etc.	Cause 1: The device is improperly installed. Solution: Install the device in a location away from kitchen appliances, dusty areas, shower areas, and places with temperatures exceeding 100°F (37.8°C) or falling below 40°F (4.4°C). Check the location of your alarm (see "Improper Locations for Installation").
	Cause 2: The device is clogged with dirt and dust. Solution: Clean the device periodically (see "Daily Maintenance").

The device failed to connect to the network.	Cause 1: The entered Wi-Fi name and/or password are wrong. Solution: Enter the correct Wi-Fi name and password. Cause 2: The phone's Bluetooth is not turned on. Solution: Turn on the phone's Bluetooth. Cause 3: The device is not entering pairing mode. Solution: Press and hold the Test/Silence button on the device for 5 seconds, and its LED will flash blue to indicate that it has entered pairing mode.
The app push notification is delayed, or there are no push alerts.	Cause 1: The battery ran out. Solution: Unscrew the alarm from the bracket and replace the battery. Cause 2: The app push notification permission is disabled. Solution: Turn on the push notification permission on the phone. Cause 3: The communication between the alarm and Wi-Fi is not stable, or they are too far apart. Solution: Please reduce any obstruction between the alarm and the router and ensure that the device is within the router's coverage area. Cause 4: The network connection of the router and the mobile phone is abnormal. Solution: Make sure the network connection of the router and the mobile phone is working normally.
The app shows that the alarm is offline.	Cause 1: The battery ran out. Solution: Replace the battery. Cause 2: The device has disconnected from the network. Solution: Please check the device's network connection, reduce any obstruction between the alarm and the router, ensure the device is within the router's coverage area, and try reconnecting.
The device screen shows the concentration value, yet the app does not provide notifications or display the concentration value.	Cause: The carbon monoxide (CO) concentration value is currently below 100 ppm, and the alarm threshold time has not been reached yet. Solution: The Device won't send a "CO Alarm Precaution" alert for CO concentrations under 100 ppm to save power and avoid disturbances. The app won't display values either. But if CO under 100 ppm lasts for a period and reaches the alarm threshold, a normal alarm notification is sent.

The device screen updates the concentration value, but the app value remains unchanged.	Cause: The device is in the "CO Alarm Precaution" state, and the concentration hasn't increased to a higher level yet. Solution: To conserve power, the app updates the concentration value only when it rises within a specific range (e.g., from 110 ppm to 220 ppm) during the "CO Alarm Precaution" state.
The LED flashes yellow once every 60 seconds with 1 beep.	Cause: Low-battery warning. Solution: The battery is low. Push the Test/Silence button once to silence for 10 hours. Replace the battery immediately.
The LED flashes yellow twice every 60 seconds with 2 beeps.	Cause: Malfunction. Solution: The alarm is malfunctioning. Please clean your alarm and see if it is working normally. If not, replace the device immediately.
The LED flashes yellow 3 times every 60 seconds with 3 beeps.	Cause: End-of-life warning. Solution: The maximum lifetime (10 years) is reached. Push the Test/Silence button once to silence for 22 hours. Replace the alarm immediately.
The LED flashes yellow 4 times every 60 seconds with 4 beeps.	Cause: The smoke chamber is contaminated. Solution: Please keep the area around the device clean, remove the device from the ceiling, vacuum the outside of the device with a vacuum cleaner fitted with a soft brush attachment, and reinstall the device on the ceiling. If the alarm persists, replace the device immediately.

8 Statement

Environmental Protection

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that all electrical and electronic products, batteries, or accumulators must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws and rules in your area.



ISED Statement

English: This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux radiations du Canada dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

FCC Statement:

1 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2 Note: This equipment has been tested and found to comply with the limits for a Class B digital device. 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.

3 Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

4 The distance between the user and the products should be no less than 20 cm.

9 Manufacturer and Service Information

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