rely™ essentials

AC Smoke Alarm
Model 5400
User Manual

Intertek
ETLus
5019856

Thank you for purchasing the Rely 5400 smoke alarm. This model is a photoelectric smoke alarm. This model is powered by 120V AC with a 9V battery backup. It is a multi-station alarm and can be hardwired. This smoke alarm contains no radioactive material and is environmentally friendly. It also can reduce the probability of nuisance alarms effectively.

THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72 (National Fire Protection Association, Battery march Park, Quincy, MA 02269).
Typical installation drawing layouts for the unit(s), indicating recommended locations and wiring methods, which shall be in accordance with the applicable requirements outlined in the following:
1) C22.1-12, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations;
2) CAN/ULC-S553, Standard for Installation of Smoke alarms.
3) National Electrical Code, NFPA 70, Wiring Methods and Materials;
4) National Fire Alarm and Signaling Code, NFPA 72, Single- and Multiple-Station Alarms and Household Fire Alarm Systems for US requirement.
The National Fire Protection Association (NFPA) and the manufacturer recommend replacing this alarm ten years from the date code on back of alarm. This instruction manual contains important information on starting operation and using the devise.

Please take a few minutes to thoroughly read the instruction manual and familiarize yourself and your families with its operation. And save it for future reference.

Table of Contents

1. What to do if the Smoke Alarm Sounds

Smoke alarm pattern is three long beeps , and three long beeps repeating.

1.1 What to do in the event of a fire
1. Do not panic, stay calm.
2. Leave the building as quickly as possible. Touch doors to feel if they were hot before opening them. Use an alternate exit if necessary. Crawl along the floor and do not stop to collect anything.
3. Meet at a pre-arranged meeting place outside the building.
4. Call the fire department or 911 from outside the building.
5. Do not go back inside a burning building. Wait for the fire department to arrive.

NOTE: These guidelines will assist you in the event of a fire, however, to reduce the chance that fires will start, practice fire safety rules, and prevent hazardous situations.

Practice fire safety
If the smoke alarm sounds, and you have not pushed the test button, it is warning of a dangerous situation, your immediate response is necessary. To prepare for such occurrences, develop family escape plans, discuss them with all household members, and practice them regularly.
1. Expose everyone to the sound of a smoke alarm device and explain what the sound means.
2. Determine two exits from each room and an escape route to the outside from each exit.
3. Teach all household members to touch the door and use an alternate exit when the door is hot, instruct them not to open the door if the door is hot.
4. Teach household members to crawl along the floor to stay below dangerous smoke,fumes and gases.
5. Determine a safe meeting place for all members outside the building.

2. Product Important Information

⚠DANGER!
ELECTRICAL SHOCK HAZARD. Turn off the power to the area where the smoke alarm is installed before removing it from the mounting bracket. Failure to turn off the power first may result in serious electrical shock, injury or death.

⚠WARNING!
This unit will not alert hearing-impaired residents. It is recommended that you install special units that use devices like flashing strobe lights to alert hearing-impaired residents.
• There are situations where a smoke alarm may not be effective to protect against fire as stated in the NFPA Standard 72. For instance:
  a) Fires where the victim is intimate with a flaming-initiated fire; for example, when a person's clothes catch fire while cooking;
  b) Fires where the smoke is prevented from reaching the smoke alarm due to a closed door or other obstruction;
  c) Incendiary fires where the fire grows so rapidly that an occupants egress is blocked even with properly located smoke alarms.
Smoke alarms are not to be used with smoke alarm guards unless the combination has been evaluated and found suitable for that purpose.
This unit must be powered by a 24-hour, 120-volt, pure sine wave, 60 Hz circuit. Be sure the circuit cannot be turned off by a switch, dimmer, or ground fault circuit interrupter. Failure to connect this unit to a 24-hour circuit may prevent it from providing constant protection.
• This smoke alarm must have AC or battery power to operate. If the AC power fails, Battery backup will allow the alarm to sound for at least 4 minutes. If AC power fails and the battery is weak, protection should last for up to 7 days. If AC power fails and the battery is missing, the alarm cannot operate.
• Never disconnect the power from an AC-powered unit to stop an unwanted alarm. Doing so will disable the unit and remove your protection. In the case of a true unwanted alarm, open a window or fan the smoke away from the unit. The alarm will reset automatically when it returns to normal operation. Never remove the batteries from a battery operated unit to stop an unwanted alarm (caused by cooking smoke, etc.). Instead open a window or fan the smoke away from the unit. The alarm will reset automatically.
• This Smoke alarm will not protect against the risk of smoke poisoning when the battery has drained.
• This device should be installed by a competent person.

1. The test button accurately tests the device's functions. Do not use any other test method. Test the device weekly to ensure proper operation.
2. If you're sure it isn't a real alarm warning, open windows or fan the air around the device to silence it.
3. Observe and follow all location and national electrical and building codes for installation.
4. This smoke alarm is designed to be used within a single family only. In multifamily buildings, Each individual living unit should have its own smoke alarm device. Do not install it in non-residential buildings. And the device is not a substitute for a complete alarm system.
5. This smoke alarm can only sound its alarm when it detects a dangerous level of smoke in the air. They do not sense smoke, heat, flame, or other gases. The device is designed to give audible warning of dangerous smoke.
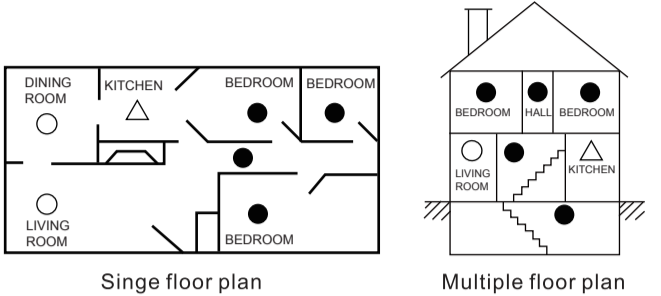
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3. Installation Instructions

⚠CAUTION!
• Connect this unit only to other compatible units. Do not connect it to any other type of alarm or auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly.
• The battery compartment resists closing unless a battery is installed. This warns you that the unit will not operate under DC power without a battery.
• Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.
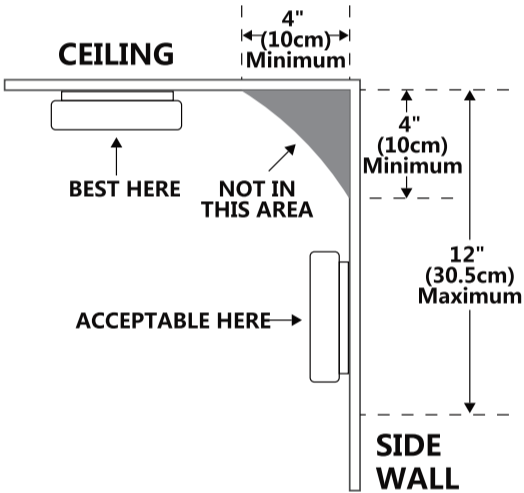
3.1 Recommended location for alarms
The following suggestions are intended to help you with the placement and installation of your smoke alarm.

Singe floor plan — Multiple floor plan

● Smoke alarms for required protection
○ Smoke alarms for additional protection
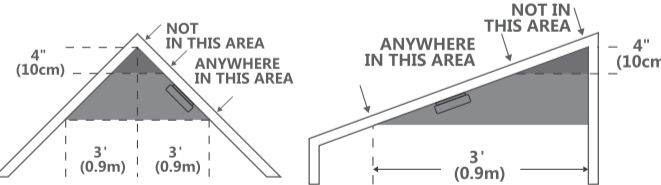△ Smoke alarm with silence control for additional protection

1) In all sleeping rooms and guest rooms.
2) Outside each separate dwelling unit sleeping area, within 21 feet (6.4 m) of any door to a sleeping room, the distance measured along a path of travel.
3) On every level of a dwelling unit, including basements.
4) On every level of a residential board and care occupancy (small facility), including basements, excluding crawl spaces and unfinished attics.
5) In the living area(s) of a guest suite.
6) In the living area(s) of a residential board and care occupancy.
7) Smoke, heat, and combustion products rise to the ceiling and spread horizontally. Mounting the smoke alarm on the ceiling in the center of the room places it closest to all points in the room. Ceiling mounting is preferred in ordinary residential construction.
8) When mounting a device on the ceiling, locate it at a minimum of 4 inches (10 cm) from the side wall.
9) When mounting the device on the wall, use an inside wall, with the top edge of the alarm at a minimum of 4 inches (10 cm) and a maximum of 12 inch (30.5 cm) below the ceiling.
10) Put the device at both ends of a bedroom hallway or large room, if the hallway or room is more than 30 feet (9.1 m) long.
11) Install the device on a sloped, peaked or cathedral ceilings at or within 3 feet (0.9 m) of the highest point (measured horizontally).

3.2 Locations to avoid

To ensure the Smoke Alarm work properly and provide detection performance, do not install the device in the following places:
1) Normal cooking may cause nuisance alarms. If a kitchen alarm is desired,it should have an alarm silence feature and should not be installed within 6 feet of cooking appliances.
2) Do not install within 6 feet of heating appliances.
3) In areas with high humidity, like bathrooms or areas near dishwashers or washing machines or directly above a sink. Install at least 10 feet away from these areas.
4) Avoid spraying aerosols near the device.
5) Next to a door or window, an extractor fan, air returns or heating and cooling supply vents. The air could blow smoke away from the device, interrupting its alarm.
6) In rooms where temperatures may fall below 4.4°C or rise above 37.8°C, or in humidity higher than 95%. These conditions will reduce battery life or cause a fault alarm.
7) In extremely dusty, dirty, or insect infested areas influence particles interfere with the device operation.
8) In the garage. Products of combustion are present when you start your automobile.
9) In an enclosed space (for example in a cupboard or behind a curtain).
10) Where it can be obstructed (for example by furniture).
11) Less than 4" (10 cm) from the peak of an "A" frame type ceiling.
12) Near fluorescent lights. Electronic noise may cause nuisance alarms.
13) Avoid installing where the unit will be exposed to direct sunlight.
14) Place out of the reach of children. Under no circumstance should children be allowed to handle the device.

3.3 Wiring Requirements

1) This alarm should be installed on a UL-listed or recognized junction box. All connections should be made by a qualified electrician, and the electrical wiring used shall be in accordance with Articles 210 and 300.3(B) of the U.S. National Electrical Code (ANSI/NF PA 70, NFPA 72). And/or any other codes having jurisdiction in your area. The multiple-station interconnect wiring to the alarms must be run on the same raceway or cable as the AC power wiring. In addition, the resistance of the interconnect wiring shall be a maximum of 10 ohms.
2) The maximum wire run distance between the first and last unit in an interconnected system is 1000 feet.
3) The appropriate power source is 120 Volt AC single phase supplied from a non-switchable circuit.
4) Smoke alarms are not to be used with detector guards unless the combination (alarm and detector guard) has been evaluated and found suitable for that purpose.

⚠WARNING!
The alarm cannot be operated with power derived from a square wave or modified square wave. Wave, or modified sine wave, inverter. These types of inverters are sometimes used to supply power to the structure in off-grid installations, such as solar or wind-derived power sources. These power sources produce high peak voltages that will damage the alarm.
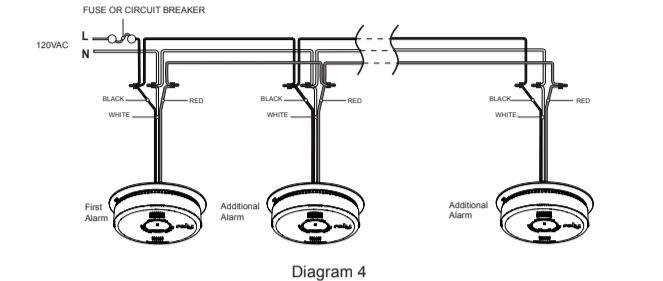
To reduce the likelihood of nuisance alarm of the device, the accommodation spaces should be well ventilated when household cleaning supplies or similar contaminants are used.

3.5 Wiring instructions for AC quick Connector Harness

⚠DANGER!
ELECTRICAL SHOCK HAZARD. Turn off the power to the area where the Smoke Alarm is installed before removing it from the mounting bracket. Failure to turn off the power first may result in serious electrical shock, injury or death.
Improper wiring of the power connector or the wiring leading to the power connector will cause damage to the Alarm and may lead to a non-functioning alarm.

1) For alarms that are used as single stations, do not connect the red wire to anything. Leave the red wire insulating cap in place to make certain that the red wire cannot contact any metal parts or the electrical box.
2) All interconnected alarms must be supplied from a single power circuit.
3) The wire colors are: **Line = Black; Neutral = White, Interconnect = Red.**
Do not connect Interconnect wires to a line or neutral connection. An improper connection will result in damage to the alarm, failure to operate, or a shock hazard. Check the connections carefully before turning them on the main power to the circuit. Interconnect Wiring Diagram: See Diagram 4.
4) A maximum of 12 alarms may be interconnected in a multiple-station arrangement.
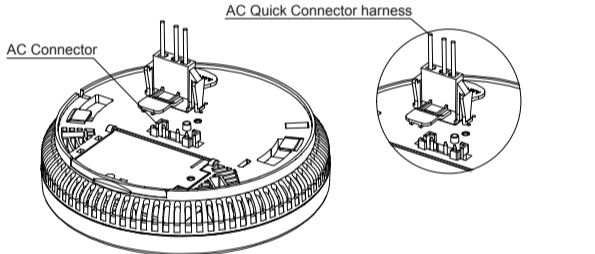5) Make certain alarms are wired to a continuous (non-switched) power line.

Diagram 4

NOTE: Use standard UL Listed household wire (as required by local codes) available at all electrical supply stores and most hardware stores. The minimum permissible wire size to be used shall not be less than 26 AWG (0.13 mm²) for a jacketed, multi-conductor cable or 18 AWG (0.82 mm²) for a single conductor wire.

6) After selecting the proper location for your alarm and wiring the AC QUICK Connector harness as described previously, attach the mounting bracket to the junction box.
7) Pull the AC QUICK CONNECTOR through the center hole in the mounting bracket and secure the bracket.
8) Plug the AC QUICK CONNECTOR into the back of the unit, making sure that the locks on the connector snap into place. Check all connections. Then push the excess wire back into the electrical box through the hole in the center of the mounting bracket.
9) Rotate the alarm in the counterclockwise direction and install the alarm completely on the mounting bracket.

STAND-ALONE ALARM ONLY:
• If you are only installing one Smoke Alarm, restore power to the junction box.
INTERCONNECTED UNITS ONLY:
• If you are interconnecting multiple Smoke alarms, repeat steps 1–9 for each Smoke Alarm in the series. When you are finished, restore power to the junction box.

10) Turn on the AC power. The green LED will turn on when the alarm is operating from AC power.
11) If the green power indicator light does not light, turn off power to the junction box and recheck all connections. If all connections are correct and the green power indicator still does not light when you restore the power, the unit should be replaced immediately.
12) Single station alarms: Test each smoke alarm. Press and hold the test button until the unit alarms. Interconnected alarms: Press and hold the test button until the unit alarms. All interconnected Alarms should sound. The other Alarms sounding only tests the interconnect signal among alarms. It does not test each alarm's operation. You must test each alarm individually to check if the alarm works properly. If any unit in the series does not alarm, turn off power and recheck connections. If it does not alarm when you restore power, replace it.
13) For new construction, place supplied dust cover over alarm to prevent damage from dust and construction debris. When construction is complete, remove cover.

AC Quick Connector harness
AC Connector

⚠WARNING!
To prevent injury, this device must be securely attached to the ceiling/wall in accordance with the installation instructions.
Smoke will not be able to reach the smoke sensor while the dust cover is in place. Dust cover must be removed!
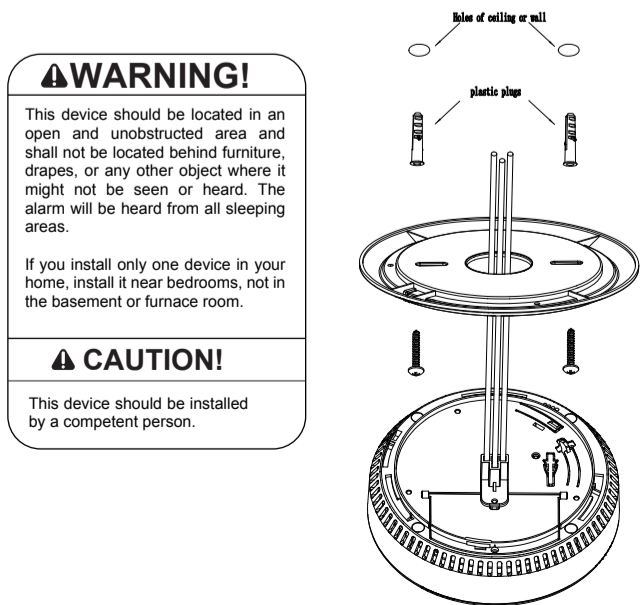
3.6 Alarm installation

This smoke alarm is designed to be mounted on the ceiling or wall. Read "Recommended location for alarms" and "Locations to avoid" before you begin installation.
Tools you will need:
• Needle-nose pliers or a utility knife;
• a standard flathead screwdriver.

1). When drilling two 5.0 mm holes in the ceiling or wall, the distance between the two hole centers is 75 mm (2.95 inch), then inserting two plastic plugs provided into the holes.
2). Attach the bracket to the plastic plugs and fix the screws into the plastic plugs. Do not over-tighten screws.
3). Install and rotate the alarm body on the bracket.
4). Test the device by using the test button. Ensure the device is working normally.

⚠WARNING!
Make sure the alarm is not receiving excessively noisy power. Examples of noisy power could be major appliances on the same circuit, power from a generator or solar power, light dimmer on the same circuit or mounted near fluorescent lighting. Excessively noisy power may cause damage to your alarm.
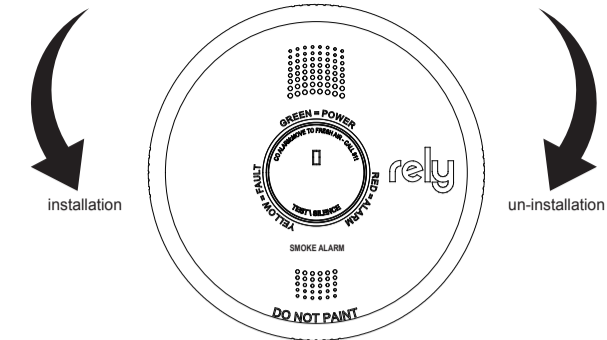
⚠WARNING!
This device should be located in an open and unobstructed area and shall not be located behind furniture, drapes, or any other object where it might not be seen or heard. The alarm will be heard from all sleeping areas.

If you install only one device in your home, install it near bedrooms, not in the basement or furnace room.
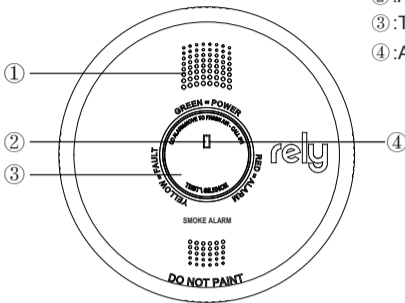
⚠ CAUTION!
This device should be installed by a competent person.

Holes of ceiling or wall
plastic plugs

installation   un-installation

4.Understanding Your Smoke Alarm

4.1 Product overview

①:Sounder
②:AC power indicator (Green)
③:Test Button
④:Alarm indicator (Red)

1. Sounder
The sounder is used to send out Smoke alarms and abnormal warning information.
2. Test button
The test button is used to test the device and to silence the unit during a smoke alarm.
Press to keep it longer than 2 seconds to enable the test function, or press once to enable the silent function.
3. AC power indicator (Green)
The green indicator is used to indicate the power status of the unit. The green indicator light is always on while AC power is ON.
4. Alarm indicator (Red)
The red indicator is used to indicate the status of the smoke alarm.

4.2 Alarm Visual And Audible Indicators

Operate mode	Visual (flash) and Audible (beep)
Standby	Red LED flashes every 40 seconds.
Test Mode	Long-press the test button for 2 seconds a week to verify proper alarm operation. Red LED flashes in time with alarm pattern. Alarm pattern(3 beeps, pause, 3 beeps). The beeping sound is in gradual mode, and the test alarm rings for two cycles.
Smoke Alarm	Red LED flashes in time with alarm pattern. Alarm pattern(3 beeps, pause, 3 beeps, repeat).
Alarm Memory	After alarming without any operation 24 hours. the device will enter alarm memory mode, the red light will flash twice every 8 seconds. Alarm memory is only retained for 24 hours. Push test button to clear alarm memory.
Silence Mode	When the smoke alarm occurs, press the button to enter the silence mode. The LED will flash once approx every 8 seconds without sound. Silence time: Approx 8 minutes.

4.3 Troubleshooting Guide

Operate Mode	Visual (flash) and Audible (beep)	Description/Action
Low voltage	Red LED flashes once approx every 40 sec. Chirp once approx every 40 sec. (Simultaneously with red LED flashing) Press test button once to silence mode for approx 10 hours. Silence mode: Red LED flashes once approx every 40 sec.	Replace new battery for your unit as soon as possible.
Fault alarm	Red LED flashes once approx every 40 sec. Chirp once approx every 40 sec. (Out of sync with red LED flashing) Press button once to silence mode for approx 10 hours. Silence mode: LED flashes every 40 sec.	Review Cleaning Your Alarm section. Remove and dispose your unit, and replace as soon as possible
End-of-life	Red LED flashes 3 times approx every 40 sec. Chirp 3 times approx every 40 sec.(Simultaneously with red LED flashing) Note: The alarm cannot be silenced while end-of-life warning.	Remove and dispose your unit, and replace as soon as possible.

5.General Maintenance

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

1. Verify the unit's alarm sound and indicator operation by enabling the test button once a week.
2. Remove the unit from the ceiling and clean the alarm cover and vents with a soft brush attachment once a month 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 device.
5. Never attempt to disassemble the unit or clean inside. This action will void your warranty.
6. As soon as possible, place the Smoke alarm back in its proper location to assure continuous protection from fire.
7. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

⚠WARNING!
Reinstall the alarm as soon as possible to ensure continuous detection.

WEEKLY TESTING

• 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.

• If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the manufacturer for replacement. See "Warranty Information" at the end of this manual.

Do not stand close to the Alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when the horn starts sounding. It is important to test this unit every week to make sure it is working properly.
Using the test button is the recommended way to test this Smoke Alarm.
Press and hold the test button for 2 seconds to verify proper alarm operation.
During testing, the unit may flash a red LED accompanied by periodic alarm sounds.
(The beeping sound is in gradual mode, and the test alarm rings for two cycles.) If it does not alarm, make sure the unit is receiving power and test it again. If it still does not work, replace it immediately.

IMPORTANT: Retail canned smoke products vary by manufacturer and produce inconsistent results. If the unit does not alarm when canned smoke is applied, conduct a push-to-test to verify proper operation. Over-application of canned smoke can permanently damage the alarm.

⚠WARNING!
Due to the loudness of the alarm, always stand about 3 feet (0.9 m) away from the unit or use ear protection when testing.

Do not use an open flame to test your alarm, you could damage the alarm or ignite combustible materials and start a structure fire.

6.Battery Information

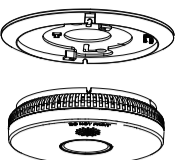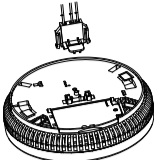Replace Battery:
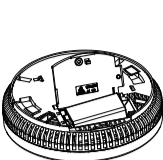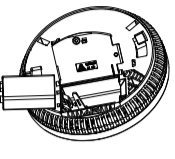Replace the battery: (See Diagram 1-9)

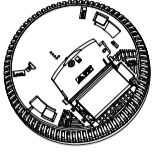Diagram 1   Diagram 2   Diagram 3

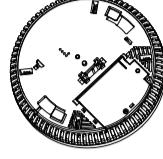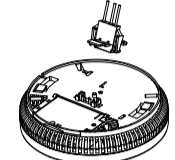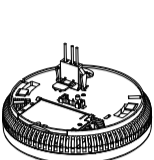Diagram 4   Diagram 5   Diagram 6
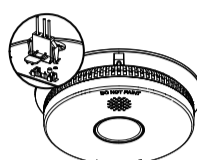
Diagram 7   Diagram 8   Diagram 9

⚠CAUTION !
Test the alarm for correct operation using the test facility whenever the battery is replaced.

6.1 Battery type
This alarm is powered by a 9-volt external battery located in a battery compartment.
Under normal conditions, a fresh battery should last at least one year.
NOTE: Battery installation or replacement is necessary for the life of the device.
NOTE: Constant exposure to high or low humidity may reduce battery life.

6.2 Battery deactivation
This alarm is equipped with a low battery monitor circuit. If the battery capacity is near the point where it can no longer provide adequate power for all alarm functions, the low battery condition will occur. See the "Troubleshooting Guide". The battery must be replaced within 7 days of the first occurrence of the "Low Battery Warning" to provide continuous alarm protection.

Replace battery with one of the following approved brands:

9V Carbon zinc Battery: GP1604S
                          EVEREADY 1222
These batteries can be purchased at your local retailer.

⚠WARNING!
Use only the batteries specified. Use of different batteries may have a detrimental effect on the alarm.

NOTE: Do not use lithium batteries in this unit. A good safety measure is to replace the battery at least once a year.

6.3 Battery disposal
Warning! Fire, explosion, and severe burn hazard. Do not recharge, crush disassemble, heat above 100°C, incinerate or expose contents to water.
1. Not to dispose of the battery (or the device) as unsorted municipal waste, but collect it separately.
2. Dispose of in accordance with all applicable federal, state and local regulations.

7. Product Specifications

Model: 5400
Model Type: Multi-station photoelectric smoke alarm
Product standards:
Conforms to UL STD 217 9th Ed.
Certified to CAN/ULC Std. S531.
Power Supply:120VAC/60Hz, 9V battery backup
                    (GP1604S /EVEREADY 1222, Replaceable)
Hardware Interconnection : Up to 12 Alarms
Product Lifetime: 10 years
Indicator Light: Red and Green LED
Smoke alarm silence: About 8 minutes
Alarm Mode: Sound and light signal
Alarm Volume:≥ 85dB(A) @ 3m
Flame Retardant Rating : V0,5VA
Installation Location: Ceiling or wall
Temperature Operating Range: 40°F (4.4°C) to 100°F (37.8°C)
Humidity Operating range: 10-95% RH non-condensing
Size:Φ144*38mm
Weight:~240g (including battery)

8. Recognizing Nuisance Alarms

Smoke Nuisance

SILENCE: If you know why the alarm is sounding, and you can verify that it is not a life-threatening situation, you can push the button to silence the alarm for approx 8 minutes. If the smoke is not too dense, that unit will silence. After the SILENCE period, the smoke alarm will automatically reset and sound the alarm if particles of combustion are still present. You can use SILENCE repeatedly until the air has been cleared of the condition causing the alarm.

NOTE: Dense smoke will override SILENCE and sound a continuous alarm. If no fire is present, check to see if one of the reasons listed in "locations to avoid" may have caused the alarm. If a fire is discovered, get out and call the fire department or 911.
This alarm is designed to minimize nuisance alarms. Cigarette smoke will not normally cause the alarm, unless the smoke is blown directly into the alarm. Combustion particles from cooking may set off the alarm if they are located too close to a cooking appliance. Large quantities of combustible particles are generated from spills or when broiling. Using the fan on a range hood that vents to the outside (the on-recirculating type) will also help prevent nuisance alarms from occurring by removing these combustible products from the kitchen.

9. Limitations of Smoke Alarms

Smoke alarms have played a key role in reducing deaths resulting from home fires worldwide. However, like any warning device, smoke alarms can only work if they are properly located, installed, and maintained, and if smoke reaches the alarms.

They are not foolproof.

Smoke alarms may not waken all individuals.
Practice the escape plan at least twice a year, making sure that everyone is involved – from kids to grandparents. Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily waken to the sound of the smoke alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in fire drill and in the event of an emergency. It is recommended that you hold a fire drill while family members are sleeping in order to determine their response to the sound of the smoke alarm while sleeping and to determine whether they may need assistance in the event of an emergency.

Smoke alarms cannot work without power.
Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot work if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a power station, electrical fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or AC power, install both types of units.

Smoke alarms cannot detect fires if the smoke does not reach them.
Smoke from fires in chimneys or walls, on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the alarm. That is why one unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them.

Smoke alarms may not detect fire on another floor or area of the dwelling.
For example, a stand-alone unit on the second floor may not detect smoke from a basement fire until the fire spreads. This may not give you enough time to escape safely. That is why the recommended minimum protection is at least one unit in every sleeping area and every bedroom on every level of your dwelling. Even with a unit on every floor, stand-alone units may not provide as much protection as interconnected units, especially if the fire starts in a remote area. Some safety experts recommend installing interconnected AC-powered units with batteries. Backup or professional fire detection systems, so if one unit senses smoke, all units alarm. Interconnected units may provide an earlier warning than stand-alone units, since all units alarm when one detects smoke.

Smoke alarms may not be heard.
Though the alarm horn in this unit meets or exceeds current standards, it may not be heard if: 1) the unit is located outside a closed or partially closed door, 2) residents recently consumed alcohol or drugs, 3) the Alarm is drowned out by noise from the stereo, TV, traffic, air conditioner or other appliances, and 4) residents are hearing impaired or sound sleepers. Special-purpose Units, like those with visual and audible alarms, should be installed for the hearing-impaired residents. Smoke alarms may not have time to sound before the fire itself causes damage, injury, or death since smoke from some fires may not reach the unit immediately. Examples of this include people smoking in bed, children playing with matches, or fires caused by violent explosions resulting from escaping gas.

Smoke alarms are not foolproof.
Like any electronic device, Smoke alarms are made of components that can wear out or fail at any time. You must test the unit weekly to ensure your continued protection. Smoke alarms cannot prevent or extinguish fires. They are not a substitute for property or life insurance. Smoke alarms have a limited life. The unit should be replaced immediately if it is not operating properly. In addition, it is possible for the device to fail at any time. For this reason, you must test the device weekly and replace it every 10 years.

10.Manufacturer Information

11.Special Compliance Considerations

This smoke alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like apartment buildings, condominiums, hotels, motels, dormitories, hospitals, long-term health care facilities, nursing homes, day care facilities, or group homes of any kind, even if they were once single-family homes. It is not a suitable substitute for complete fire detection systems in warehouses, industrial facilities, and commercial buildings, and special-purpose non-residential buildings that require special fire detection and alarm systems. Depending on the building codes in your area, this smoke alarm may be used to provide additional protection at these facilities.
The following information applies to all four types of buildings listed below: In new construction, Most building codes require the use of only AC or AC/DC-powered smoke alarms only. AC, AC/DC, or DC-powered smoke alarms can be used in existing construction as specified by local building codes. Refer to NFPA 72 (the National Fire Alarm Code) and NFPA 101 (Life Safety Code), local building codes, or consult your Fire Department for detailed fire protection requirements in buildings not defined as "households."

1. Single-Family Residence: single-family home, townhouse. It is recommended smoke alarms be installed on every level of the home, in every bedroom, and in each bedroom hallway.
2. Multi-Family or Mixed Occupant Residence: Apartment building, condominium. This smoke alarms are suitable for use in individual apartments or condos, provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this smoke alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.
3. Institutions: Hospitals, daycare facilities, and long-term health care facilities. This smoke alarm is suitable for use in individual patient sleeping/residing rooms, provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this smoke alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.
4. Hotels and Motels: Also boarding houses and dormitories. This smoke alarm is suitable for use inside individual sleeping/resident rooms, provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this smoke alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances and regulations.

12. Warranty Information

THREE YEAR LIMITED WARRANTY

Our products are subject to strict quality controls. However, if this device should unexpectedly not function perfectly, please get in touch with us at the customer service address provided in the Manufacturer and Customer Service Info section.

THE WARRANTY PERIOD IS 36 MONTHS AND BEGINS ON THE DAY OF PURCHASE

Please retain your receipt as proof of purchase. Warranty claims can only be made for possible defects caused by material and production faults. During the warranty period, if service is required, do not return the product to your retailer. For Warranty Service, defective devices can be sent to the customer service address provided (postage paid). A new or repaired device will be returned to you. After the warranty period has expired, you still have the option of sending the defective device for repair to the customer service address. Repairs carried out after the warranty period must be paid for.

In the event of misuse or improper treatment, use of force, or intervention not carried out by our authorized service branches, the warranty is no longer valid. This warranty does not restrict your legal rights. In the event of a warranty claim, please return the receipt and completed warranty card with fault description along with the defective device.

The warranty does NOT cover the batteries supplied.

13.Warranty Card

Last Name:_____
First Name:_____
Phone:_____
Address:_____
_____
_____
Country:_____
Zip Code:_____
Fault description:_____
_____
_____
_____
Date of purchase: _____
_____
Signature: _____