

Smoke Alarm Device User Manual

Model number: GS536G **Ref:** ST536G

Thank you for purchasing our smoke alarm. Please take a few minutes to read the user manual thoroughly and familiarize yourself and your family with its operation. Please save this manual for future reference.



Diagram 1

Product Specifications:

- **POWER:** DC9V(Carbon Zinc Battery: Raymax 6F22; Gold Peak GP 1604S)
- **OPERATION CURRENT:** <15uA (standby), <30mA (alarm)
- **ALARM VOLUME:** >85dB (A) at 3 meters.
- **SMOKE ALARM DEVICE SOUND PATTERN:** BI 0.5s - pause 0.5s – BI 0.5s – pause 0.5s – BI 0.5s – pause 1.5s, with red LED flash, alarm pattern repeats.
- **COMPLIES WITH STANDARD:** EN14604:2005/AC:2008

Description:

The unit is a photoelectric smoke alarm device. Photoelectric technology is more sensitive to detecting slow smoldering fires with generally thick black smoke. This smoke alarm device does not contain radioactive material.

Ideally a smoke alarm should be installed in every room (except the bathroom and kitchen), and every other area of the home, making sure everyone in the home will be able to hear and respond to the alarm. For minimum protection, you should fit an alarm in your hallways, living room, bedrooms and children's rooms. Each unit should ideally be placed in the middle of the ceiling of each room.

Typical single story dwellings:

Install a smoke alarm device on the ceiling inside each bedroom and in the hallway outside each separate sleeping area. If a bedroom area or hallway is more than 30 feet long, install a smoke alarm device at each end. If there is a

basement: install a smoke alarm device on the basement ceiling at the bottom of the stairwell.

Typical multi-story dwelling:

Install a smoke alarm device on the ceiling inside each bedroom and in the hallway outside each separate sleeping area. If a bedroom area or hallway is more than 30 feet long, install a smoke alarm device at each end. Install a smoke alarm device at the top of each stairwell.

Important Safety Information:

- 1: The test button accurately tests the functions of this device. Do not use any other test method. Test this smoke alarm device weekly to ensure proper operation.
- 2: In the event of a false alarm, open windows or fan the air around smoke alarm device to silence it and ensure there are no particles in the air interfering with it.
- 3: This smoke alarm device is designed to be used inside a single family dwelling. In multi-family dwellings, each individual living unit should have its own smoke alarm devices. Do not install in non-residential buildings. This smoke alarm device is not a substitute for a complete alarm system.
- 4: Install a smoke alarm device in every room and on every level of the home. Smoke may not reach the smoke alarm device for many reasons. For example, if a fire starts in a remote part of the home, on another level, in a chimney, wall, roof, or on the other side of a closed door, smoke may not reach the smoke alarm device in time to alert household members. Placing a smoke alarm in multiple locations increases the effectiveness of detection.
- 5: Smoke alarm devices may not alert every household member every time. The alarm horn is loud in order to alert individuals to a potential danger. However, there may be some circumstances where a household member may not hear the alarm (i.e. outdoor or indoor noise, sound sleepers, drug or alcohol usage, the hard of hearing, etc.). If you suspect that this smoke alarm device may not alert a household member, install and maintain specialty smoke alarm devices. Household members must hear the alarm's warning sound and quickly respond to it to reduce the risk of damage, injury, or death that may result from fire. If a household member is hard of hearing, install special smoke alarm devices with lights or vibrating devices to alert occupants.
- 6: Smoke alarm devices can only sound their alarms when they detect smoke or detect combustion particles in the air. They do not sense heat, flames, or gas. This smoke alarm device is designed to give audible warning of a developing fire. However, many fires are fast - burning, explosive, or

intentional, and others are caused by carelessness or safety hazards. In these cases, Smoke may not reach the unit **QUICKLY ENOUGH** to ensure safe escape.

- 7: Smoke alarm devices have limitations. This smoke alarm device is not foolproof and is not warranted to protect lives or property from fire. Smoke alarm devices are not a substitute for insurance. Homeowners and renters should insure their lives and property. In addition, it is possible for the smoke alarm device to fail at any time. For this reason, you must test the smoke alarm device regularly.

Battery Connections:

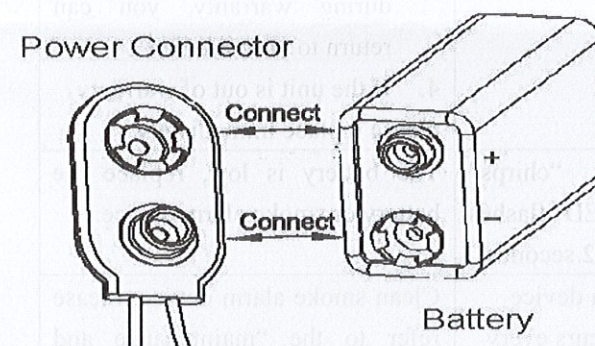


Diagram 2

Battery Specification:

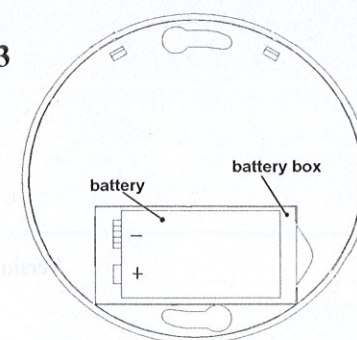
Carbon Zinc Battery:
GP1604S 9V or 6F22 9V.

Replace Battery:

- 1: Turn the alarm body counterclockwise and remove from the mounting bracket.
- 2: Remove the old battery, connect the new battery to the power connector.
- 3: Fix the battery into the battery box, fit the alarm body to the mounting bracket, turn clockwise to secure. (see Diagram 3).
- 4: Test smoke alarm using test button. The sound pattern is 3 short beeps-pause 1.5 seconds, repeat. If there's no sound output, it means that the smoke alarm is faulty or the batter is not properly installed. Review the "trouble shooting" section as needed.

WARNING: Test the alarm for correct operation using the test facility whenever the battery is replaced

Diagram 3



Do Not Install Smoke alarm devices in the Following Places:

- 1: Near appliances or areas where normal combustion regularly occurs (kitchens, near furnaces, hot water heaters). Use specialized smoke alarm devices with unwanted alarm control for these areas.
- 2: In areas with high humidity, like bathrooms or areas near dishwashers or washing machines. Install at least 10 feet away.
- 3: Near air returns or heating and cooling supply vents. Install at least 3 feet away from these areas. The air could blow smoke away from the detector, interrupting its alarm.
- 4: In rooms where temperatures may fall below 0°C or rise above 40°C, or in humidity higher than 93%. These conditions will reduce battery life or may cause false alarms.
- 5: Extremely dusty, dirty, or insect infested areas may influence particles and therefore the smoke alarm device operation.

Operation:

Testing

The device powers on when the battery is installed and the alarm is mounted on the bracket. Test the unit to ensure proper operation by pressing the test button, this will sound the alarm if the circuitry, mounting, horn, and battery are working. If no alarm sounds there is a defective battery or other failure, you can refer to "Trouble shooting" section for further solutions.

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

CAUTION: Due to the loudness (85 decibels) of the alarm, Always stand an arms-length away from the unit when testing.

Test the alarm weekly to ensure proper operation. Erratic or low sound coming from your alarm may indicate a defective alarm, you can refer to "Trouble shooting" section for further solutions.

NOTE: WEEKLY TESTING IS REQUIRED.

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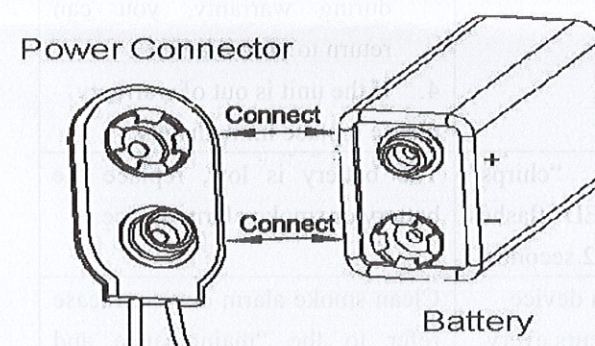


Diagram 2

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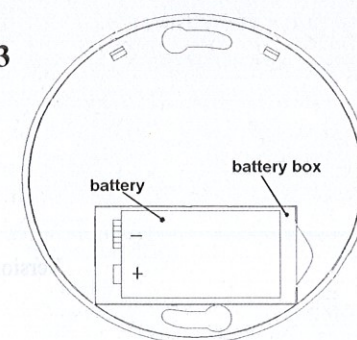
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CAUTION: Due to the loudness (85 decibels) of the alarm, Always stand an arms-length away from the unit when testing.

Test the alarm weekly to ensure proper operation. Erratic or low sound coming from your alarm may indicate a defective alarm, you can refer to "Trouble shooting" section for further solutions.

NOTE: WEEKLY TESTING IS REQUIRED.

LED indicators

This alarm is equipped with a red LED indicator, with two modes of operation

Red LED-Flashing every 32 seconds: indicates that the smoke alarm is operating properly.

RED LED-Flashing: when the Test button is pressed, or when the smoke alarm senses particles of combustion and goes into alarm (constant pulsating sound), the red LED will flash once per second. The flashing LED and pulsating alarm will continue until the air is cleared

Fault indication - The unit will generate a "chirp" between two flashes every 32 seconds when the unit goes into fault mode.

NOTE: WEEKLY TESTING IS REQUIRED.

DANGER: If the alarm sounds, and it is not being tested, it means the unit is sensing smoke, THE SOUND OF THE ALARM REQUIRES YOUR IMMEDIATE ATTENTION AND ACTION.

Maintenance and Cleaning:

In addition to weekly testing, the alarm requires periodic cleaning to remove dust, dirt, and debris.

Clean the alarm at least once a month to remove dust, dirt, or debris.

Use a vacuum cleaner with the soft brush, vacuum all sides and covers of smoke alarm device.

This alarm has a low battery monitor which will cause the alarm to “chirp” approx. every 32 seconds and the red LED to flash.

If there is a defective battery or other failures, you can refer to the “Trouble shooting” section for a solution, if there are still failures during warranty, you can return to your retailer..

IMPORTANT: Do not attempt to remove the cover to clean inside. This will void the warranty.

Repair:

Caution: Do not attempt to repair the alarm. It will void your warranty.

If the alarm is not operating properly, and is still under warranty, return it to the original place of purchase.

If the alarm is no longer under warranty, have a licensed electrician replace it immediately with a comparable alarm.

Trouble shooting:

Problem	Method of disposal
Smoke alarm device does not sound when tested.	<div><div>1. Fit the alarm on the bracket and turn the alarm body clockwise, until it is seated well on the bracket.</div><div>2. Clean smoke alarm device. Please refer to the “maintenance and cleaning” section.</div><div>3. If there are still failures during warranty, you can return to your retailer.</div><div>4. If the unit is out of warranty, please replace immediately.</div></div>
The alarm “chirps” with red LED flashes once every 32 seconds.	The battery is low, replace the battery or smoke alarm device.
Smoke alarm device chirps occurs every 32 seconds (alarm goes into fault mode) .	Clean smoke alarm device. Please refer to the “maintenance and cleaning” section. Replace if the problem persists.
Smoke alarm device sounds unwanted alarms intermittently or when residents are cooking, taking showers, etc.	<div><div>1. Press test button to pause alarm.</div><div>2. Clean smoke alarm device. Please refer to the “maintenance and cleaning” section.</div><div>3. Move smoke alarm device to new location and press test button.</div></div>
The alarm sounds differently from its normal chirp. It starts and stops.	<div><div>1. Clean smoke alarm device. Please refer to the “maintenance and cleaning” section.</div><div>2. If there are still failures during warranty, you can return to your retailer.</div><div>3. If the unit is out of warranty, replace immediately.</div></div>

Practice Fire Safety:

If the 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 and to stay below dangerous smoke, fumes and gases.
- 5: Determine a safe meeting place for all members outside the building.

What to Do in Case of Fire:

- 1: Do not panic; stay calm.
- 2: Leave the building as quickly as possible. Touch doors to feel if they are 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 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.

Where is the device best to be Installed:

- At first you need install one unit in the bedroom and walk way, if you have several bedrooms, you’re best to install and alarm in every room. (see Diagram 4).

• Install in the stairway and on every floor. (see Diagram 5)

• Smoke, heat and burning things will spread horizontally after rising to the ceiling, so install the alarm in the middle of the ceiling.

• Install an alarm in every bedroom.

• Install an alarm in every room where large electrical appliances are operating (for example portable heaters).

• If an alarm can’t be installed in the middle of the ceiling then install 30cm from corners or walls (see Diagram 6).

- Install smoke alarms at both ends of a bedroom, hallway or large room. If the hallway or room is more than 9.1 m (30 ft) long.

• Install smoke alarms on sloped, peaked or cathedral ceilings between 500 and 1500mm from the highest point of the ceiling. Smoke alarms in rooms with ceiling slopes greater than 1m in 8 m horizontally shall be located on the high side of the room (See Diagram 7)

Warranty Information:

This smoke alarm device is warranted to be free from defects in material and workmanship under normal use and service for a period of 1 year from the date of purchase. This warranty does not cover damage resulting from accidents, misuse or abuse or lack of reasonable care of the product.

In no case shall the supplier of this device be liable for any incidental or consequential damages.