

# Smoke Alarm User Manual

**Model number: GS506**

**Ref: ST506**

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



G212049



0832-CPD-1656

EN14604:2005

## **Product Specifications:**

**POWER** : DC9V ( Carbon-Zink Type:GOLITE #G6F22, 1604D)

**OPERATION CURRENT** : <10uA (standby), <30mA (alarm)

**ALARM VOLUME** : >85dB(A) at 3 meters.

**ALARM SENSITIVITY** : 0.10-0.19dB/m.

## **Description:**

The unit is a photoelectric 9V DC smoke alarm. It is operated by 9v battery (6LR61 or 6F22), battery life 1 year minimum. With the photoelectric technology, it is more sensitive to detecting slow smolder fires which general thick, black smoke, little heat and may smolder for hours before bursting into flames. The smoke alarm do not contain the radioactive material which is harmless to the environment.

The smoke alarm should be installed in every room (except the bathroom), and every other area of the home, making sure the people in the home will be able to hear and respond to the alarm sound. For minimum protection you should fit an alarm in the hallway between the living areas and sleeping areas. Place the unit near to the living areas as possible and ensure the alarm is audible when the bedrooms are occupied.

Typical single storey dwelling with recommended:

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

Typical multi-storey dwelling with recommended protection. Install a smoke alarm on the ceiling of wall inside each bedroom and in the hallway outside each separate sleeping area. If a bedroom area hallway is more than 30 feet long, install a smoke alarm at each end install a smoke alarm at the top of a first – to- second floor stairwell.

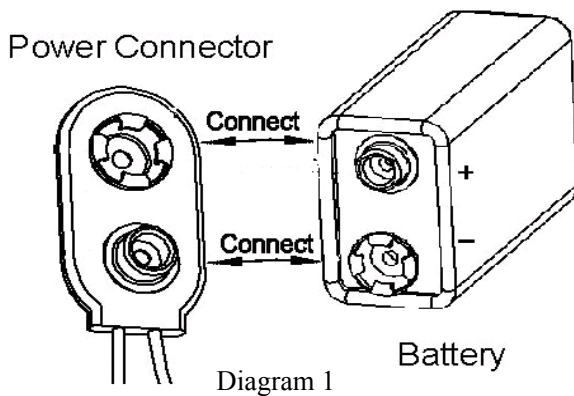
## **Important Safety Information:**

- 1: The test button accurately tests smoke alarm functions. Do not use any other test method. Test smoke alarm weekly to ensure proper operation.
- 2: Do not remove or disconnect battery. This will take out your protection. Open windows or fan the air around smoke alarm for silence it.
- 3: This smoke alarm should be installed only by a licensed, qualified electrician. Observe and follow all local and national electrical and building codes for installation.
- 4: This smoke alarm is designed to be used inside a single family only. In multifamily buildings, each individual living unit should have its own smoke alarms. Do not install in non-residential buildings. And this smoke alarm is not a substitute for a complete alarm system.
- 5: Install a smoke alarm in every room and on every level of the home. Smoke may not reach the smoke alarm 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 in time to alert household members. A smoke alarm will not promptly detect a fire except in the area or room in which it is installed.
- 6: Smoke alarm 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 may not alert a household member, install and maintain specialty smoke alarms. Household member 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 alarms with lights or vibrating devices to alert occupants.
- 7: Smoke alarms can only sound their alarms when they detect smoke or detect combustion particles in the air. They do not sense heat, flame, or gas. This smoke alarm 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 this circs, Smoke may not remake the unit alarm **QUICKLY ENOUGH** to ensure safe escape.

8: Smoke alarms have limitations. This smoke alarm is not foolproof and is not warranted to protect lives or property from fire. Smoke alarms are not a substitute for insurance. Homeowners and renters should insure their lives and property. In addition, it is possible for the smoke alarm to fail at any time. For this reason, you must test the smoke alarm weekly and replace unit every 10 years.

### **Battery Connections:**

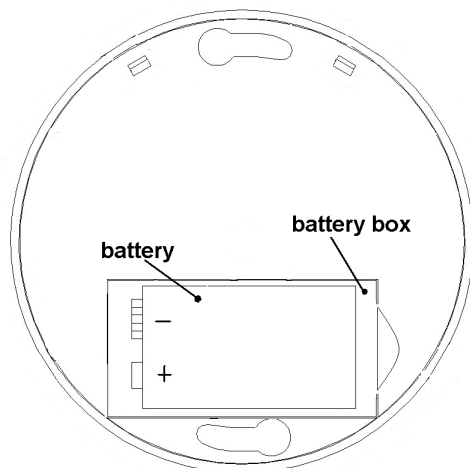


### **Battery Specification:**

Rating voltage: DC 9V (Alkaline or Carbon Zinc battery)  
 Package: 6F22 for carbon zinc battery or 6LR61 for alkaline

### **Replace Battery:**

- 1: Turn the alarm body counterclockwise and take out the alarm body from the bracket (see Diagram 5).
- 2: Take out the old battery, connect the new battery to power connector, according to Diagram 1.
- 3: Fix the battery into battery box, fit alarm body on bracket and turn the alarm body clockwise (see Diagram 2).



4: Test smoke alarm using test button. The sound pattern is 3 short beeps-pause 1.5 seconds, repeat it. If there's no sound output, it means that the smoke alarm is faulty or the installing operation is wrong, and you should gain the correctly method of disposal through reading "TROUBLE SHOOTING".

### **Do Not Install Smoke Alarms in the Following Places:**

- 1: Near appliances or areas where normal combustion Regularly occurs (kitchens, near furnaces, hot water heaters). Use specialized smoke alarm with unwanted alarm control for this areas.
- 2: In areas with high humidity, like bathrooms or areas near dishwashers or washing machines. Install at least 10feet away from these areas.
- 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 40°F or rise above 100°F.
- 5: In extremely dusty, dirty, or insect – infested areas influence particles interfere with smoke alarm operation.

### **Testing the Smoke Alarm:**

Test each smoke alarm to be sure it is installed correctly and operating properly.

- 1: Do not use an open flame to test the alarm. You may ignite and damage the alarm or your home.
- 2: Test the alarms weekly and upon return from vacation or when no one has been at home for several days.
- 3: Stand at an arm's length from the unit when testing.

Test all smoke alarms weekly by doing the following step.

- 4: Firmly press the test button for at least 5 seconds. The alarm will sound 3 short beeps – 1.5 seconds pause, then repeat it until release the button. The alarm may sound for up to a few seconds after releasing the test button.

**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 yearly battery replacement and periodic cleaning to remove dust, dirt, and debris.

You'd better use good battery to let the alarm work longer,

some batteries can use more than 1 year. Please refer to “**REPLACE BATTERY**”.

Clean the alarm at least once a month to remove dust, dirt, or debris. Always turn off power before cleaning.

Use a vacuum cleaner with the soft brush, vacuum all sides and covers of smoke alarm. Be sure all the vents are free of debris.

If necessary, turn off power and use a damp cloth to clean the alarm’s cover.

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

### **Repair:**

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

If the alarm is not operating properly, and is still under warranty, return it to the original place you buy. Pack it in a well-padded carton, and ship to the original place you buy.

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

### **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 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.

### **What to Do in Case of Fire:**

- 1: Do not be 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 stop to collect anything.
- 3: Meet at a pre-arranged meeting place outside the building.
- 4: Call the fire department form 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.

### **Trouble shooting:**

DO NOT disconnect battery to quiet an unwanted alarm. This will remove your protection. Fan the air or open a window to remove smoke or dust.

Problem	Method of disposal
Smoke alarm does not sound when tested. NOTE: Push test button for at least five seconds while testing!	1. Remove smoke alarm from bracket. then Check the battery is properly connect to battery connector. 2. Clean smoke alarm.
Smoke alarm beeps about once a minute.	Replace battery, please refer to “replace battery” section.
Smoke alarm sounds unwanted alarms intermittently or when residents are cooking, taking showers, etc.	1. Clean smoke alarm. Please refer to the “maintenance and cleaning” section. 2. Hire an electrician to move smoke alarm to a new location.
The alarm sounds different from it is used to. It starts and stops.	1: This alarm is operating correctly. 2: Clean smoke alarm. Please refer to the “maintenance and cleaning” section.

### **Warranty Information:**

3-year limited smoke alarm warranty

Company warrants to the original consumer.

Purchase each new smoke alarm to be free from defects in material and workmanship under normal use and service for a period of 3 years from the date of purchase. This warranty does not cover damage resulting from accident, misuse or abuse or lack of reasonable care of the product.

In no case shall company be liable for any incidental or consequential damages for breach of this or any other warranty express or implied, whatsoever. The bad product can be mailed to the following address with a detail explanation of problem.

Before you install the alarm, please read the instruction carefully.

### **Where is the best to be Installed:**

- At first you need install one unit in the bedroom and route way, if you have several bedrooms, you’d better install

each alarm in every room.

- Install it in the stairway and in every floor.
- Smoke, heat and burning things will spread horizontally after rising to the ceiling, so install the alarm on middle of the ceiling of ordinary structure house .let the alarm induce every corner.
- If alarm couldn't be installed in the middle of the ceiling for some reasons, the distance which the alarm away form the wall corner should be beyond 10cm.
- If installed the alarm on the wall, it should be 10cm below the ceiling (see the diagram 3).
- If the length of the room or the hall is beyond 30 foot, you need install several alarms in the hall.
- When the wall or ceiling is slanting, the alarm needs to be installed 4 foot away from the highest wall or ceiling point in the room (see the diagram 4).

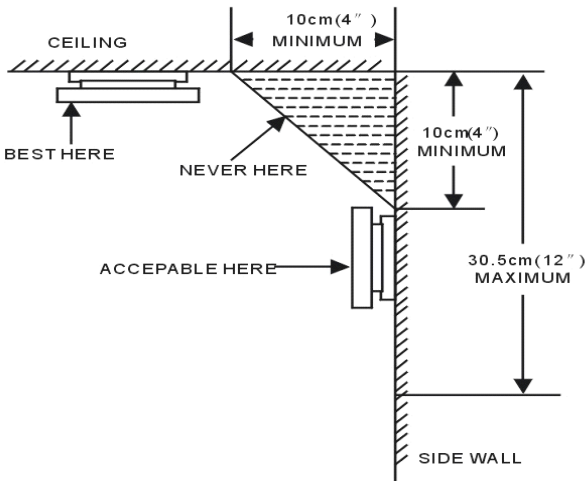


Diagram 3

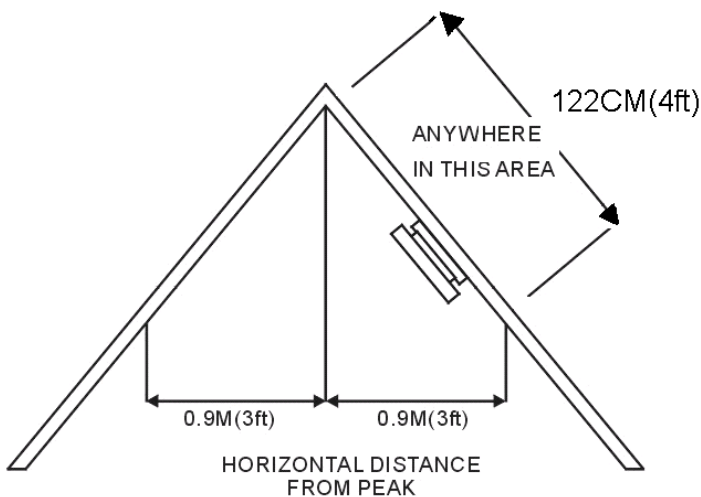


Diagram 4

### **Installation:**

- Turn the alarm body counterclockwise and take off the

bracket.

- Press the bracket on the installation position, mark installation hole of the bracket with pencil.
- Bore two installation hole on the sign with electric drill. Make diameter of holes is 5mm, Strike the two plastic plugs into holes with hammer.
- Attach the bracket to the plastic plugs and fix tightly the screws into the plastic plugs. (refer to Diagram 5).
- Connect the battery to power connector.
- Fix the battery into battery box.
- Fit the alarm on the bracket and turn the alarm body clockwise, until matching well on the bracket.
- Test smoke alarm using test button. The alarm will sound 3 short beeps – 1.5 seconds pause, then repeat it until release the button.

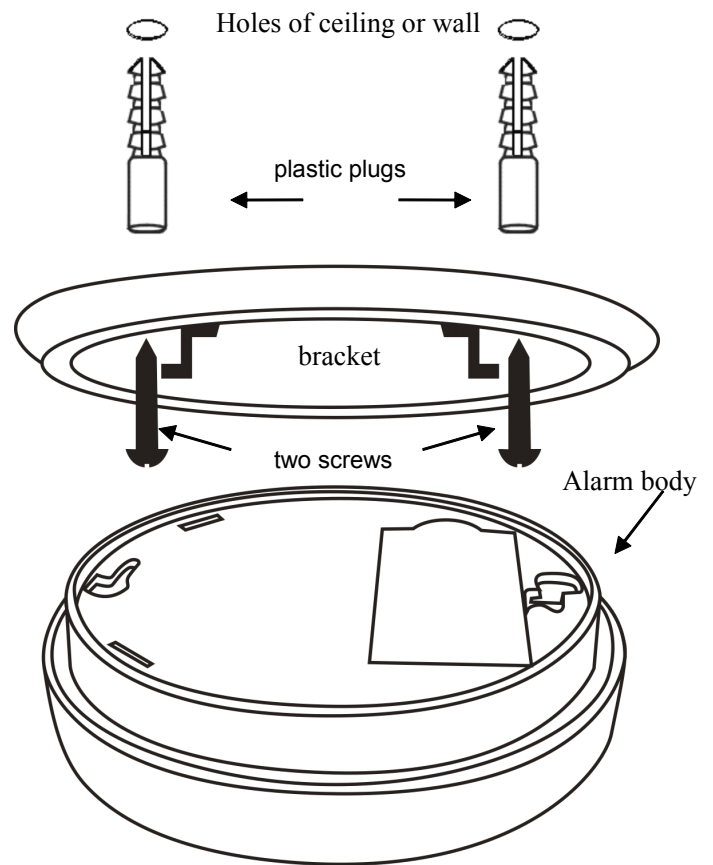


Diagram 5

### **WARNING:**

To prevent injury, this unit must be securely attached to the wall or ceiling in accordance with the installation instructions.

### **Manufacturer:**

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