

Forsafe

PRODUCT MANUAL

Photoelectric Smoke Alarm

FSI-3004

PRODUCT LIFE 10YEARS & 3VDC LITHIUM

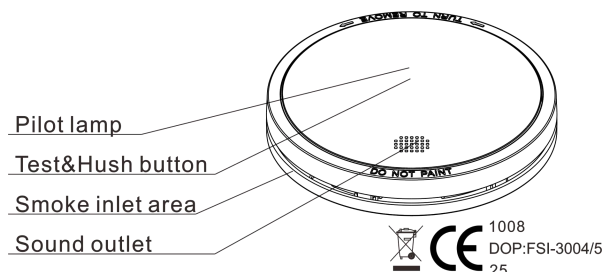


Figure 1

SPECIFICATIONS	
Power	3 Volts (DC) Lithium Manganese Dioxide
Battery Life	10 years under normal surveillance
Sound Level	85 Decibels at 3 meters
Standby Current	10uA max
Alarm Current	30mA max
Item Weight	88g
Product Dimensions	φ110*27H
Operating Temperature	-10℃ ~ 55℃
Humidity Range	15%-95% R.H. (non-condensing)
Silence Time	approx.10 minutes
Certification	EN14604:2005/AC:2008

WARNING:

Do not attempt to disassemble, charge or heat the battery as this may cause the battery to explode.

Description:

FSI-3004 Photoelectric Smoke Alarm (Smoke Alarm, Figure 1 shows) It is mainly used to detect fire smoke. In the event of a fire, the alarm sensor senses the smoke generated by the fire, and sends an alarm sound and light signal to warn the scene personnel to extinguish the fire or escape.

The alarm adopts 3V lithium battery power supply, does not need to lay the line, installation, use is very convenient. The alarm is suitable for installation in small public places or families, such as family living rooms, living rooms, study rooms, dining rooms, storage rooms, etc. The following places should be used with caution:

under normal circumstances there is water fog, more smoke places, such as outdoor, kitchen, bathroom, etc.

Power On:

Press and hold the smoke button until the red LED flashes, which should take about 5 seconds.

Power Off:

Press and hold the smoke button until the red LED and yellow LED flash, which should take about 5 seconds.

Work mode:

Normal Status: Red LED indicator blinks once every 5 minutes.

Alarm status: Red LED indicator is steady on, and the buzzer makes a beep, beep, beep sound.

Pollution fault status: Yellow LED indicator blinks once a minute, and the buzzer beeps.

Low battery status: Yellow LED indicator blinks once a minute and the buzzer beeps.

Hush status: Red LED flashes once every 10 seconds approx.10 minutes.

Operating:

1. Self-test: After the alarm is turned on, press the "Test & Hush" button, and the red light of the alarm will flash once and give a "beep" prompt sound.

2. Alarm test: 32 seconds after the alarm is turned on, add smoke to the alarm, the alarm should be able to alarm, the red light is steady on, and the voice reports the "beep, beep, beep" alarm sound, and the loop broadcast until the reset or shutdown. After the test, please blow out the residual smoke in the sensor chamber of the alarm, press the button to reset the alarm, the red light of the alarm goes out, and the alarm sound ends.

3. Hush function: After the alarm to alarm, press the "Test & Hush" button to enter the hush mode, the red lamp flashes once every 10 seconds, and the hush time is 10 minutes. The sensitivity of the alarm decreases during the silence period, and the alarm can be repeated after the silence is over.

4. Fault self-diagnosis function: To ensure the reliable operation of the alarm, it can automatically detect the battery power shortage or optical dark room ash serious faults, and flash lights and "beep" voice fault prompt sound.

Installation condition:

1: Do not install near appliances or there's are frequent burning areas. Regularly occurs (kitchens, near furnaces, hot water heaters). Use specialized smoke alarm with unwanted alarm control for areas.

2: Do not install in areas with high humidity, like bathrooms or areas near dishwashers or washing machines. Install at least 3m away from these areas.

3: Do not install near air returns or heating and cooling supply vents. Install at least 1 m away from these areas. The air could blow smoke away from the detector, interrupting its alarm.

4: Do not install in rooms where temperatures may fall below 0°C or rise above 45°C or in humidity higher than 93% RH. These conditions will reduce battery life or cause a fault alarm.

5: Do not install in extremely dusty, dirty, or insect – infested areas influence particles interfere with smoke alarm operation.

6: Do not install in the vicinity of areas where people smoke.

Installation:

1. Install the wall support: Fix the wall support to the ceiling using screws (the size of the wall support is shown in Figure 2).

2. Install the alarm: Fasten the alarm on the wall hanging bracket and turn it clockwise until the alarm is locked and fixed on the wall hanging bracket (installation process is shown in Figure 3).

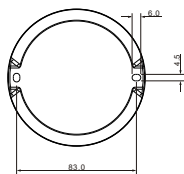


Figure 2

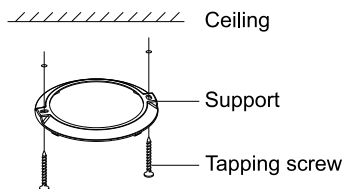


Figure 3

Installation site:

1. The alarm should be installed in a place where the fire smoke is easy to reach, generally installed on the ceiling in the center of the room.

2. The alarm must be more than 60cm away from the surrounding wall, more than 25cm away from the lamp (light emitting equipment), and more than 150cm away from the supply/outlet (Figure 4), otherwise it will affect the fire alarm effect.

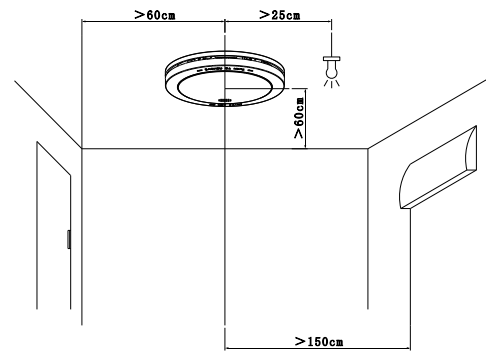


Figure 4

Typical alarm layout:

A typical installation diagram is shown in Figure 5

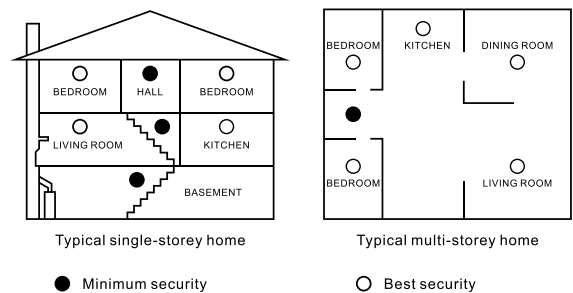


Figure 5

Notes:

1. When the alarm battery is insufficient, the voice prompt "beep" every 60 seconds, and the yellow LED follows the flashing, should be promptly contacted to replace.
2. When the internal ash of the alarm is serious, the voice prompt "beep" every 1 minutes, and the yellow LED follows the flashing, the professional company or the company should be contacted for cleaning.
3. When the power is not turned on or the battery is insufficient, the alarm is not working properly.
4. Within 32 seconds after the device is turned on, the alarm collects the smoke concentration of the current environment, and the alarm cannot be made at this time. After 32 seconds, the alarm enters the normal monitoring state.
5. Fire alarm test should be conducted once a month to test whether the alarm works normally; Blow smoke on the alarm (smoke produced by cigarettes, mosquito coils, paper scraps, etc.), the alarm should be able to report the fire. (Note: When the fire alarm test is completed, the smoke in the alarm should be blown out to prevent the fire alarm from being reported again after the reset).
5. The alarm can only be used as a fire alarm, without fire extinguishing function. When a fire

alarm occurs, it is necessary to extinguish the fire or escape in time.

Care and Maintenance:

1. Weekly Tests: Test the smoke alarm once a week. If the smoke alarm ever fails to test correctly, have it replaced immediately! If the smoke alarm is not working properly, it cannot alert you to a problem.
2. WARNING: The smoke alarm has a loud alarm signal. Use hearing protection when testing smoke alarms.
3. WARNING: Never use a naked flame of any kind to test your smoke alarm. You may ignite and damage the smoke alarm or your home.
4. For interconnected smoke alarms, check the smoke alarm sounder operates on all interconnected smoke alarms and the red LED adjacent to the Test/Hush button operates only on the smoke alarm being tested. Repeat the test on all interconnected smoke alarms.
5. 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.
6. If there are frequent nuisance alarms it may be necessary to relocate the device away from the source of the fumes. If the alarm continues sounding nuisance alarms without smoke or heat being present it may require some maintenance or cleaning.
7. The battery should last for at least 10 years under normal operating conditions. The smoke alarm is at low battery level, the yellow LED flashes once every 60 seconds with one "beep" for a minimum of 7 days. When this indication appears, contact the manufacturer.

IMPORTANT:

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

Warning:

1. The alarm is to alert you to the presence of smoke. It does not prevent fire. Smoke alarms may not be effective against hazards such as smoking in bed, explosions, etc. The ultimate responsibility for firefighting lies with you, and this responsibility includes escape planning, safety inspections, and effective early warning systems. In the event of a fire, a properly installed and functioning alarm may provide a few seconds for you to escape and call the fire brigade.
2. The alarm shall be installed by a licensed qualified

electrician, and in the installation process, comply with local and national electrical and building codes.

3. the alarm should be used in a unit residential use, in a multi-family residential building, each individual living unit should be installed alarm, do not install in non-residential buildings, the alarm is not a substitute for a complete alarm system.

4. The alarm may not alert every family member every time. In certain restrictive situations, family members may not hear the alarm (i.e., outdoor or indoor noise, heavy sleepers, drug or alcohol abuse, difficulty hearing, etc.). If you suspect that this smoke alarm may not alert family members, install and maintain a dedicated alarm. Family members must be able to hear the warning of the alarm to quickly reduce the risk of damage, injury or death that may result from the fire. If a family member is hearing impaired, a special smoke alarm with a light or vibration device can be installed to alert the resident.

5. The alarm will only sound an alarm when smoke is detected. Smoke alarms detect burning particles in the air. They can't feel heat, fire or gas. The alarm is designed to give an audible warning when a fire is spreading. Yet many fires are fast burning, explosive or intentional, and others are caused by carelessness or safety hazards. The alarm cannot detect the smoke in the first place and tell people to escape.

6. The alarm has its limitations, this smoke alarm is not foolproof, nor is it guaranteed to protect life or property from fire. Smoke alarms are no substitute for insurance, and homeowners and renters should insure their lives and property.

WARNING: batteries installed shall not be exposed to excessive heat such as sunshine, fire or the like.

Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or retailer for recycling advice.

Manufacturer and Service Information

Shenzhen Forsafe System Technology Co.,LTD

Address: Floor 9 building A Fu'an science and technology building No.013 Gaoxin South 1st Road Gaoxin community Yuehai street Nanshan District Shenzhen, CHINA.

Email: www.forsafe.cn

Importer and Service Information

GEV GmbH

Address: Heidehofweg 16 25499 Tangstedt Germany