- Insert the fixing plug into the gap between the mounting plate and the smoke alarm to fix your alarm.
- Turn on the AC power. If the mains power connection is properly working, the green LED will light up.
- Test the correct activation of your smoke alarm by pressing and holding the test button until a beep is generated. If no sound is generated, the smoke alarm is not functioning properly and should not be used!

Alarm silence facility

When the smoke alarm has detected smoke and turns into the alarm mode, you can mute the alarm approximately 8 minutes by pressing the test button. After that, the smoke alarm automatically resets and returns into the normal operation mode. If there are still particles of combustion in the air, the smoke alarm will turn into the alarm mode again.
WARNING: Before using the alarm silence facility, always identify the cause of the alarm and make sure that the circumstances are safe.

Low battery mode

When the battery is running low, the smoke alarm will indicate this with a repetitive beep and flash for approximately 30 days. Replace the batteries by one of the recommended battery types described in paragraph "product specifications".

- **WARNING:** Turn off the power before replacing the batteries to avoid the risk of electrical shocks.
- Remove the fixing plug from the smoke alarm.
- Remove the smoke alarm off of the mounting plate.
- Squeeze in and hold the locking arms on the sides of the AC connector and pull it away from the mounting plate.
- Open the battery compartment and replace the battery.
- Close the battery cover and plug AC connector into the smoke alarm.
- Place the smoke alarm on the mounting plate and secure it by turning it clockwise.
- Insert the fixing plug into the hole between the mounting plate and the smoke alarm to fix your alarm.
- Turn on the AC power.
- Test the alarm for correct operation using the test facility, whenever the battery is replaced. Press and hold the test button until a beep is generated. If no sound is generated, the smoke alarm is not functioning properly and should not be used!

Overview visual & acoustic signals

Operating mode	Visual (flash)	Acoustic (beep)	Description mode
Normal	1 x per 32 seconds	None	Device is functioning properly
AC powered	Constantly (green)	None	Device has AC power connection
Test	1 x per second (red)	1 x per second	Device is being tested
Alarm	1 x per second (red)	1 x per second	Device is detecting smoke
Alarm silence	1 x per 8 seconds (red)	None	Alarm signal is muted
Low battery warning	1 x per 32 seconds (red) (simultaneously)	1 x per 32 seconds (simultaneously)	Battery is running low
Fault warning	1 x per 32 seconds (red) (alternating)	1 x per 32 seconds (alternating)	Device is not functioning properly

Fault warning mode

When the smoke alarm is not functioning properly, it will turn into the fault warning mode. Try cleaning the smoke alarm (see paragraph maintenance) or replace the smoke alarm!

Maintenance

- Test this smoke alarm weekly for correct operation using the test facility. If the smoke alarm functions correctly, it will generate a loud beep. Due to the loudness of the alarm, make sure that you always stand at arm's length distance from the unit when you are testing. If the smoke alarm does not generate an acoustic signal, the smoke alarm must be replaced immediately!
- Clean the smoke alarm at least once per month to remove dirt, dust or debris. Use a vacuum cleaner with a soft brush and vacuum all sides and covers of the smoke alarm. Do not remove the top cover of the smoke alarm to clean it inside.
- Do not attempt to repair this smoke alarm. If the smoke alarm shows a damage related to its functionality, it must be replaced!
- Trouble shooting: False alarm is often caused by dust or steam.

Recycling and disposal

The WEEE symbol means that this product and batteries must be disposed separately from other household waste. When they reach their end of life, take them to a designated waste collection point in your area to guarantee a safe disposal or recycling. Protect the environment, human health and natural resources!

Characteristics certified by the BOSEC mark	
Main function	Smoke
Method of mounting	On ceiling
Main power source	Voltage 230 V AC
Autonomy	At least; 1 year
Interconnectable	Wired
Suitable for installation in a mobile home	No
Individual alarm indicator	Yes
Temporary deactivation facility	No
Temporary muting facility	Yes

SMOKE ALARM
USER MANUAL

SITERWELL
www.china-siter.com

FD
BOSEC
9245

Identification

Product type   : Smoke alarm
Item number   : GS517A
Supplier   : Siterwell Electronics CO., Limited
                    : No.666 Qingfeng Road, Jiangbei District, Ningbo, Zhejiang Province, China, 315034
Website   : www.china-siter.com

CE

GS517A 17
DoP: GS517A-002
0359 EN 14604:2005/AC:2008
Fire Safety

ESSENTIAL CHARACTERISTICS: PASSED
Nominal activation conditions/ Sensitivity, Response delay (response time) and Performance under fire condition - Operational reliability - Tolerance to supply voltage - Durability of operational reliability and response delay, temperature resistance, vibration resistance, humidity resistance, corrosion resistance, electrical stability
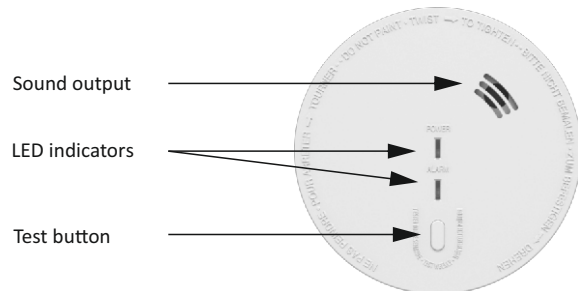
Download the Declaration of Performance at www.china-siter.com

Thank you for purchasing our smoke alarm!

Please read these instructions carefully and store them in a safe place where you can access them easily.

Product description and intended use

This is a smoke alarm with an optical sensor for installation in residential buildings, apartments and rooms with residential-like use. Smoke alarms are designed to provide an early warning of fire smoke and fires to persons present, so that these persons can react appropriately to the hazardous event. Always consult local regulations for smoke alarms.

Sound output

LED indicators

Test button

Product specifications

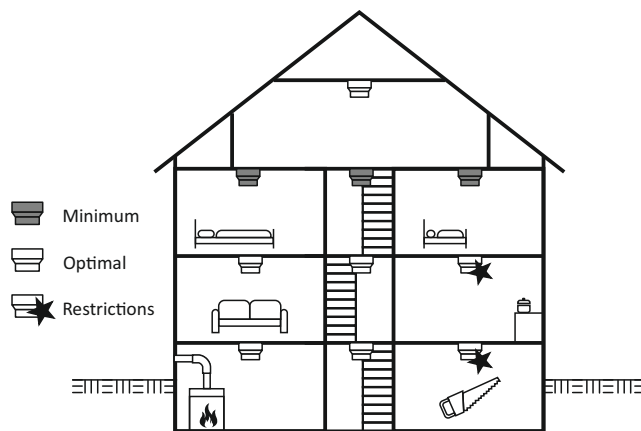|	
Detection method	: Optical
Power supply	: Mains powered, back-up battery (incl.) Best-if-used-by XX XXXX
Voltage	: AC 220-240 V~
Current consumption	: <100mA
Mains frequency	: 50 Hz
Battery lifetime	: >1 year
Recommended batteries	: 1. Gold Peak GP1604S (9V DC)
	: 2. Gold Peak GP1604A (9V DC)
	: 3. Raymax 6LR61 (9V DC)
	: 4. EVE CR9V/P (9V DC)
Alarm volume	: > 85 dB (A) at 3 meters
Alarm sensitivity	: 0,095 - 0,175 dB/m
Monitored area	: 20 - 40 m²
Operating temperature	: 0 °C - 40 °C
Operating humidity	: < 93 %
Date of replacement	: See product label
Individual alarm indicator	: Yes
Alarm silence facility	: Yes | Hush time: 8 minutes
Low battery warning	: Yes
Installation in leisure accommodation vehicles	: No
Mounting location	: Ceiling
Interconnectable	: Yes | Max amount: 12
Type of wires	: 0,8mm² – 1,5mm² or according local wiring standard

Warnings:

- To prevent injury, this apparatus must be securely attached to the ceiling in accordance with the installation instructions.
- Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

- Do not paint or cover the smoke alarm.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The smoke alarm, together with any associated supply and interconnect wiring, shall be installed in accordance with appropriate national electrical installation regulations.

Where to install a smoke alarm

Smoke alarms must be installed in such a way that they can be reached unhindered by the fire smoke so that fires can be reliably detected during the development phase.

- Install at least in sleeping areas (especially children's rooms).
- Install at least in escape rooms.
- In the middle of the ceiling of a room.
- At least 50 cm away from the wall and other objects.
- Maximum installation height of 6 meter.

Minimum

Optimal

Restrictions

Where to install a smoke alarm in rooms with special geometries

- Corridors with a maximum width of 3m: Max. 15m between 2 smoke alarms. Max. 7,5m to the front side of the gallery and smoke alarms at edges/crossings of corridors.
- Rooms with sloping ceilings:
  - If the ceiling inclination is > 20° to the horizontal: Smoke alarms must be installed at least 0.5 m and at most 1 m from ceiling top.
  - Partial roof slopes: If the flat ceiling is ≤ 1m wide, consider as ceiling inclination is of > 20°. If the flat ceiling is >1m wide, consider as flat ceiling.
- Rooms with subdivided ceilings:
  - Height of the subdivisions is ≤ 0.2 m: Beams without consideration. smoke alarm may be installed on the beams or on the ceiling.
  - Height of subdivisions is > 0.2 m and area of ceiling panels > 36 m²: Smoke alarm should be installed in each ceiling panel.
  - Height of subdivisions > 0.2 m and area of ceiling panels ≤ 36 m²: Individual ceiling without consideration.

Where not to install a smoke alarm

- In an environment with a high risk of draught (e.g. close to air conditioning, fans and ventilation outlets). The movement of air can impair the penetration of fire smoke into the smoke alarm.
- Areas where combustions regularly occurs, such as kitchens.
- Areas with high humidity such as bathrooms, or close to devices such as dish washers or washing machines.
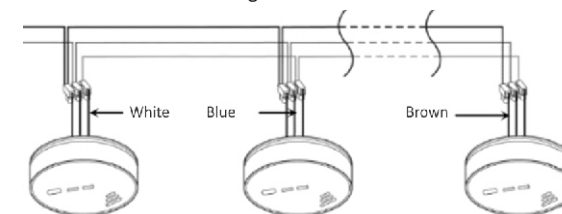
Activation

Before commissioning the smoke alarm, it is important to activate it and test it for correct operation.

- Open the battery compartment and place the battery. Connect the + on the battery to the + on the battery compartment and the - battery to the - on the battery compartment. Close the battery cover.
- Test the correct activation of your smoke alarm by pressing the test button. If no sound is generated, the smoke alarm is not activated properly and should not be used!

Mounting and connecting

- WARNING: Turn off the mains power before installing this alarm to avoid the risk of electrical shocks.
- Connect the wires of the AC connector to the mains power supply and signal wires:
  - Brown wire: Connect to live wire of mains power
  - Blue wire: Connect to neutral wire of mains power
  - White wire: Connect to signal wire to other devices

White   Blue   Brown

- Remove the fixing plug from the mounting plate (if necessary, use a screw driver for this).
- Pull the AC connector through the centre hole in the mounting plate.
- Hold the mounting plate on the desired installation location and mark where holes should be drilled.
- Drill two holes with a diameter of 5 millimeter.
- Push the plastic plugs into the holes.
- Insert the screws into the mounting plate, and tighten them firmly into the plugs.
- Connect the AC connector to the smoke alarm.
- Fit the smoke alarm on the mounting plate and secure it by turning it clockwise.

Ceiling

fixing plug

AC connector

fixing plug