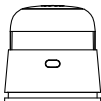


SECAIR

User Manual



Interconnected Smoke Alarm

ZR170SR

Actions in case of fire

1. Rescue people

- Warn your fellow occupants.
- Leave the room/building immediately and close all doors on your way out to prevent the rapid spread of smoke and fire.
- Stay close to the floor when there is thick smoke.
- Check whether all people have left the room/building.
- If for some reason you are unable to leave the room/building, close all doors, seal all cracks and openings, and make yourself visible at the window.



2.Call the fire brigade (999)

Only call the fire brigade when you are in a safe place.



3.Extinguish the fire

Only try to fight the fire yourself if you don't put yourself in danger.



Thanks for choosing ZR170SR household inter-connected photoelectric smoke alarm.

In order to ensure your personal and system safety and realize the best product performance, please read this manual carefully and completely before installing, using or repairing this device, and the Warnings and Notes in this manual should be paid special attention to.

1. Product Description

The ZR170SR household inter-connected photoelectric smoke alarm (alarm) detects fire by sensing smoke. When smoke in the room reaches a certain concentration, the alarm will send out sound and light warning alarm. This alarm is applicable for residential houses.

Standard implemented: EN 14604:2005+AC:2008

2. Product Features

- Single light source detection, free from false alarm due to dusts, insects or moisture
- Professional maze design, quick sense of fire
- Max 24 devices can be inter-connected
- Low power consumption, ultra-long standby time, 5-year battery life
- Fire-retardant plastic case with glossy surface treatment
- Dismantle-free cover design for cleaning
- Blind twist design +3M double-sided glue quick installation

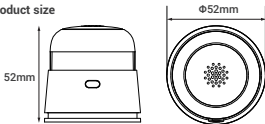
3. Technical Parameters

Model	ZR170SR
Operating Voltage	DC 3V (CR123A, replaceable)
Battery Capacity	1600mAh
Wireless Protocol	RF868.3MHz
Average Quiescent Current	<21uA
Alarming Mode	Sound + light
Alarming Sound Level	≥85dB (at 3m)
Operating Humidity	≤95%RH (non-condensation)

Battery Life	5 years (typical value)
Operating Temperature	-10°C~55°C
Installation	Ceiling-mounted (screwing or 3M gum)
Size	Φ52mm*52mm
Standard	EN 14604:2005+AC:2008

4. Product Size and Installation

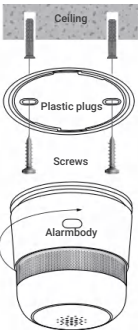
4.1 Product size



4.2 Installation method

- Place the mounting plate on the desired installation location and mark where the holes should be drilled.
- Drill two holes with a diameter of 4 millimetres. (The distance between them is 32 millimetres)

- Push the plastic plugs into the holes. Insert the screws into the mounting plate, and tighten them firmly into the plugs.
 - Place the smoke alarm on the mounting bracket and rotate clockwise to fasten it. Smoke alarm is fastened when the holes between mounting plate and smoke alarm are coincident.
 - Press the test button to check whether the smoke alarm operation normally, the smoke alarm is abnormal and can not be used if no sound.
- Plastic plugs size:M4*20
Screw size:M2.6*20



**Smoke alarms are suitable for the Landing Hallway/Bedroom
/Living room/Dining room**



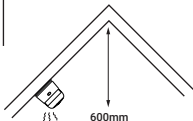
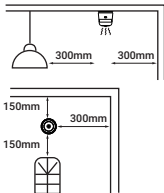
- 1. 3M gum to fix the baseplate onto the ceiling.**



- 3. Twist clockwise the alarm to lock the alarm onto the baseplate.**



Where should I position the smoke alarm?



-If you're installing the alarm on a ceiling, then it should be at least 300mm from light fitting and walls—if possible in the centre of the room.

-If you're installing the alarm on a wall then you will need to ensure the alarm is 300mm from the nearest wall, and between 150mm and 300mm below the ceiling.

-Smoke alarms should be positioned at no more than 600mm vertically below the highest point in the room.

5. Inter-connecting Instruction

Each ZR170SR alarm has one RF module embedded, which enables you to connect two or more same alarms so as to create a inter-connected network. When one alarm alarms, all inter-connected alarms will alarm at the same time. So when you have more than one ZR170SR alarm, and you need to create a local network, then please follow below steps:

- 1) Power on the alarm and long-press the test button, wait till the red LED indicator flashes consecutively, then it means the alarm is under wireless matching mode;
- 2) Repeat step 1) on another ZR170SR alarm;
- 3) Short-press the test button on one of the ZR170SR alarms to connect the network. After connection is successful, the red LED indicator will stop flashing on another ZR170SR alarm. Please complete steps 1), 2) and 3) in 2 minutes.
- 4) If you want to connect a third smoke alarm, please repeat steps 1), 2) and 3). Max 24 alarms can be connected in one network.
- 5) To disconnect the alarms: repeat step 1), and then long-press test button,when LED Indicator dies out,it means the disconnection is completed.

Note: ZR170SR alarm could only connects with other same ZR170SR alarms.

When two new alarms have been networked, a new network will be established. Alarms in two different networks cannot be networked together.

If there is no beep after powered on, please remove the battery, short-press the button, then install the battery in. After powered successfully, the interconnection is effective within 2 hours. It needs to be powered again for operation if the time exceeds 2 hours.

6. Indicator States Instruction

6.1 Normal Operating State

Under normal operating state, the red indicator flashes one time per 40 seconds

6.2 Alarming State

When smoke concentration reaches alarming point, the red indicator flashes consecutively and the alarm sends out beeping alarm.

6.3 Testing State

Short-pressing the test button, the red indicator will flash consecutively, the alarm will send out 3 beeps * 2, and then it will automatically stop.

6.4 Low Power Failure State

Under low power failure state, the red indicator flash once per 40 seconds, at the same time, the alarm will beep once.

6.5 Device Failure State

The red indicator flashes twice per 40 seconds, and the alarm beeps twice per 40 seconds.

6.6 RF Paired State

Red LED will slowly flash when the alarm powered on and long-press the test button more than 5 seconds.

6.7.RF Not Paired State

Red LED will quickly flash when the alarm powered on and long-press the test button more than 5 seconds

6.8 RF Pairing Failure State

The alarm will generate two "chirps" with the red LED flashes twice after paired failure.

6.9 Hush State

When the alarm is at alarming state, users can short-press the test button to make the alarm enter hush state, then the alarm will not send out sound alarm, 9 minutes later, if the smoke concentration is still above the alarming point, the alarm will start to send out sound and light alarm again.

Notes: The hush state will not mitigate the fire risk. When any

alarm is initiated, please do check your house for any potential fire risk. Please handle the used battery properly to avoid environmental pollution.

7. Indicator States Instruction

State	LED Light	Alarm Sound
Normal	Flashes once every 40 seconds	No sound
Alarming	Flashes continuously	continuous beeping
Testing	Flashes continuously	3 beeps twice, then stops automatically
Low Battery	Flashes once every 40 seconds	Beeps once every 40 seconds
Fault	Flashes once every 40 seconds	Beeps once every 40 seconds
Hush	When in the alarming state, short - press the test button to enter. If the smoke concentration is still above the alarming point after 9 minutes, it will resume the normal alarming flashing condition.	There is no sound within 9 minutes. If the smoke concentration is still above the alarming point after 9 minutes, it will resume the normal alarming sound.

Notes: The hush state will not mitigate the fire risk. When any alarm is initiated, please do check your house for any potential fire risk.

8. Trouble Shooting

Failure	Measure(s)
If your smoke alarm does not sound during testing	•Check that your device is activated. •If testing after first installation, allow a few seconds for the alarm to settle. •If the alarm has been silenced and is in low sensitivity mode it may not test. Wait 15 minutes then try again. •Replace the battery
The red indicator flash once and beep once per 40 seconds	•Check the location of your device. •Clean the alarm. •Replace the battery
The red indicator flash once and beep once per 40 seconds	•Check the location of your device. •Clean the alarm. •Replace the battery
The red indicator flashes twice and beep twice per 40 seconds	•Please contact the after - sales service department first and follow the relevant return procedures.

If your smoke alarm activates in the event of a known false alarm

- Check the location of your device.
- Clean the alarm.

For any failures cannot be resolved by yourself, do not disassemble the detector, please contact the distributor or manufacturer for guidance.

9. Care and maintenance

1) Test the alarm monthly.



2) Clear smoke alarms:

Clean the smoke alarms at least once a year to keep them clean from the accumulated dust.



Caution:

1.Please do not smear your smoke alarm with paint, coating etc, which may obstruct the smoke inlet to affect the alarm work normally.



2.Do not use solvents or detergents to clean your smoke alarm. The solvents or detergents permeate the alarm may lead to sensor mishaps or circuit damage, can clean with cotton cloth or sponge.



10. Contact us

Thanks for choosing our smoke alarm. This smoke alarm is under our company warranty. For any quality issue or device failure, please contact us. We are dedicated in providing excellent service and quick response!

MAKE FIRE SAFETY A PRIORITY

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Scan the QR code to know us

ZR170SR

EN 14604: 2005 + AC: 2008



MADE IN CHINA
INDOOR USE ONLY

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

