Photoelectric Smoke Alarm User Manual

PHOTOELECTRIC

*Please read the user manual carefully before operation. The guide picture is for reference only. Please in kind prevail.

01 / Product Introduction

This product is a battery operated photoelectric smoke alarm; adopting unique structure design, advanced photoelectric sensor and low power consumption WiFi communication technology, able to monitor and detect smoke particles in real time, especially detects visible particles (associated with smouldering fire) sooner than ionization alarms. Once smoke particles or a fire danger is detected, this alarm will chirp and the LED will flash rapidly, and alarm notification will be sent to user APP to alert user and user family timely.

02 / Illustrations

LED Indicator/
Test Button/Hush Button

Networking Button

Smoke Alarm

Bracket

03 / Technical Parameters

1. Working Voltage: DC 3V (CR123A lithium battery)
2. Alarm Indication : Red LED
3. Sound Level : ≥85 dB/3 m
4. Sensor Type : Infrared (photoelectric)
5. Networking : WiFi-2.4 GHz
6. WiFi Protocol: IEEE 802.11 b/g/n
7. Working Temperature : -10℃~+50℃
8. Working Humidity : ≤ 95% RH（no condensation）
9. Dimension : Φ48× H51 mm

04 / Visual and Audible Indications

Status	LED	Sound
Normal	Red LED flashes once every 53 seconds	N/A
Test	Red LED flashes quickly	rapid"Di-Di-Di"
Alarm	Red LED flashes quickly	rapid"Di-Di-Di"
Hush	Red LED flashes once every 10 seconds	N/A
Low Battery	Red LED flashes once every 53 seconds	"Di" sound once every 53 seconds
EZ networking	Blue LED flashes quickly	N/A
AP networking	Blue LED flashes quickly and then slowly	N/A

05 / Function Description

1. Alarm: when the detected smoke concentration exceeds the set threshold value of the smoke alarm, the red LED will flash quickly and the buzzer will give out quick "Di-Di-Di" alarm sounds.
2. Hush: when the smoke alarm is alarming, press the hush button, the device will enter hush mode for about 10 minutes; if in low battery warning status, press the hush button, the device will enter hush mode for about 12 hours.
3. Low battery: When the battery power becomes low, the red LED will flash once and the smoke alarm will issue "Di" warning sound once every 53 seconds.

06 / Networking

 App Store   Google play

Scan the QR code above to download the Esystem APP and register a user account.

1. Due to software updates, the operation in user manual may be different from APP descriptions. Please follow the operation guideline in APP in actual operation.
2. This smoke alarm support OTA, the user could update to the latest APP version available to get a better user experience.
3. If networking inclusion fails, please move the smoke alarm closer to router, and try again.
4. Make sure WiFi networking inclusion is successful before installation.

Enter the user account and password.

Click"+" in the APP to add a new device.
Select "Smart Home" > Smoke Detector (Wi-Fi)

Rotate the alarm counterclockwise out of the bracket, and remove the battery insulation film to power on the alarm.

Smart Config: Long press the networking button for 5 seconds, blue LED will flash quickly(about 2 times per second), enter the APP and prompt networking is successful.

AP networking: Long press the networking button for 5 seconds, blue LED will flash quickly(about 2 times per second), then long press the networking button again for 5 seconds, and blue LED will start to flash slowly(about once every 3 seconds), later APP will prompt networking is successful.
*Please follow the guideline in APP to operate until networking is successful.

PRODUCT OTA UPDATE
Open APP in mobile phone and operate according to APP update prompt until OTA update is completed.
(*Make sure the device is working normally and the battery is not in low power status before updating.)

07 / Installation Precautions

1. This product is for indoor use only.
2. Do not install the alarm in a location with high temperature and humidity, or with large oily fume. Keep the air around the alarm clean.
3. Keep the alarm away from a lot of paint, thinner, etc. which will produce colloidal aerosol near the alarm and affect its normal working or cause false alarm.
4. This product is a household smoke alarm, which can give audible and visual warning when fire occurs, but it can not extinguish the fire.
5. Smoke, heat, and burning products arising to ceiling will spread laterally. The installation of smoke alarms in the center of the ceiling is the preferred location. Please maintain a distance of at least 30cm from the fixture or ornament. Keep at least 15cm away from walls and corners. If the hall exceeds 12 meters, it should be installed at both ends of the hall.

08 / Product Installation

1. Please shorten the distance between router and alarms.
2. Please reduce barriers between router and alarms.
3. Avoid installing in places with high noise or high frequency interference, or places near metal, air conditioner, heater devices, current circuit breaker control box.
4. Building materials with metal net or metal bar, like reinforced concrete wall, may reduce the wireless transmission distance.
5. Damping of the signal makes direct ratio with barrier, if the materials of the barrier is homogeneous.
6. Select a suitable location and attach the alarm bracket to the ceiling with sticker or screws. Then rotate the alarm clockwise into the mounting bracket.

09 / Recommended Installation Location

Dead air area

On flat ceiling   On sloping ceiling

10 / Installation Illustration

Method one: fix the bracket on the wall or ceiling by screws.

Method two: remove the double-sided tape and stick the bracket on wall or ceiling, and rotate the alarm back to the bracket.
Suggest installation using screws. If installation using sticker. Please note:
1. Ensure that the installation surface is smooth, flat, firm, dry, and clean.
2. It is necessary to regularly check whether the alarm is adhered firmly after installation.
User shall be responsible for the falling off, damage of the product caused by improper operation.

Rotate alarm into bracket clockwise.

11 / Hush and Test

Hush: Please make sure that there is no real danger of fire when using hush function. Except under known and non-fire alarm condition, please do not block or by any other form to prohibit alarming. If the user want to silence an unwanted alarm, please press the Test/Hush button to relieve alarm.

Test: In normal working condition, press and hold the Test/Hush button for 3 seconds, as below picture shows, until alarm status (see status table). Clean and test the alarm once a month.Do not use flame for testing. Once the alarm is alarming, please pay attention.

12 / Battery Replacement

CR123A

•Please replace battery correctly, following the battery positive and negative electrode. Dispose of the used battery properly for environmental protection.

13 / Maintenance

1. Please test the alarm(press the test button to check if it can issue acousto-optic alarm signals) once a month after it's put into use.
2. Original battery life is expected 3 years under normal working conditions. High temperature, high humidity or other poor condition may shorten battery life span.
3. Once the alarm gives out low batter warning, please change to the same new battery timely and test the alarm to make sure the alarm works normally with the new battery.
4. Please test the alarm as soon as it's installed to make sure it's working normally, and take measures for dust proof, damp proof and corrosion proof etc.
5. Do not dismantle the alarm device privately.If any fault happens, please power it off and contact local agent.
6. It's suggested to change to a new alarm device after real fire alarm happens.

14 / Troubleshooting

Problems	Analysis	Solution
False alarm	Large dust or circuit failure	Do cleaning on the smoke surface or contact the local dealer
Short "Di"	Low battery	Change to a new battery
Short "Di-Di"	Circuit failure	Contact the local dealer
No alarm sound or alarm sound is small.	Low battery	Change to a new battery
Press test button but there is no alarm signal.		Reinstall the battery, pay attention to the correct polarity.
		Change to a new battery
		Contact the local dealer

15 / Statement

1. The information in the user manual is for reference only and does not constitute any form of commitment.
2. Without the written permission of the manufacturer, any individual or organization shall not extract or copy part or all of the contents of this user manual, and shall not spread it in any form.
3. As the technology is constantly updated, the manufacturer reserves the right to modify the user manual without prior notice. If the user manual and the actual operations is inconsistent, the final interpretation is reserved to the manufacturer herein.