

Qoltec[®]



INSTRUCTION MANUAL

Smoke detector with wi-fi

52579

EN

INTRODUCTION

Thank you for choosing the Qoltec Home Photoelectric Smoke Detector with Wi-fi.

To ensure your personal and system safety and to obtain the best performance from your device, please read this manual carefully and thoroughly before installing, using or repairing this device. Pay particular attention to the warnings and cautions in the manual.

PRODUCT DESCRIPTION

The home photoelectric smoke detector (sensor) with WiFi detects fire through smoke detection. When the concentration of smoke in a room reaches a certain level, the sensor activates an audible and light signal. The sensor is designed for use in residential buildings.

Applicable standard: EN 14604:2005+AC:2008

PRODUCT FEATURES

- Detection using a single light source - no false alarms due to dust, insects or moisture.
- Professional labyrinth design for rapid fire detection.
- Low power consumption, very long standby time, service life of 10 years.
- Housing that allows cleaning without disassembly.
- Installation without drilling thanks to the design with swivel system and double-sided 3M tape.
- Wi-Fi, frequency 2.412-2.472GHz.

INSTALLATION METHOD

1. Place the mounting plate in the desired installation location and mark where holes need to be drilled.
2. Drill two holes with a diameter of 4mm (the distance between them is 42mm).
3. Press the plastic pins into the holes.
4. Insert the screws into the mounting plate and tighten them firmly into the dowels.
5. Attach the smoke detector to the mounting plate by turning it clockwise.
6. Tighten the smoke detector when the holes on the mounting plate and the detector are aligned.
7. Press the test button to check that the smoke detector is working properly - no sound means the detector is faulty and unusable.

Plastic stud size: M4×20

Screw size: M2.6×16

Notes:

The smoke detector should be installed in the middle of the ceiling of the room.

The smoke detector should only be installed indoors; at least one detector per room is recommended.

The sensor should be placed at least 150 cm away from light sources, exhaust fans, air conditioners and air inlets and outlets.

Do not install the sensor in the bathroom or in areas exposed to water (e.g. water drops).

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1. Use 3M double-sided tape to fix the mounting plate to the ceiling.

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2. Fix the sensor on the mounting plate.

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3. Turn the sensor clockwise to lock it onto the mounting plate.

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STATUS INDICATIONS OF THE LED

1. Normal operating state

In normal operation, the red LED flashes once every 40 seconds.

2. Alarm condition

When the smoke concentration reaches the alarm level, the red LED flashes continuously and the detector emits an audible signal (alarm beep).

3. Test mode

When the test button is pressed briefly, the red LED will flash continuously and the detector will emit 2 series of 3 beeps and automatically stop.

4. Power failure condition (low battery)

In the event of a low battery condition, the red LED will flash once and a single beep will sound every 40 seconds.

5. Device failure condition - The red LED flashes twice every 40 seconds and the sensor beeps twice every 40 seconds.
6. WiFi pairing mode
EZ mode: LED flashes rapidly
AP mode: LED blinks slowly
7. WiFi pairing error mode
In the event of a WiFi connection error, the device emits three short beeps ("chirps") and the red LED flashes three times every 40 seconds.
8. Hush state
When the sensor is in the alarm state, the user can briefly press the test button to put the sensor into the mute state. During this time, the alarm will not beep. After 9 minutes, if the smoke concentration is still above the alarm threshold, the sensor will again sound a light and audible alarm.

Note: The silenced state does not eliminate the fire hazard. In the event of any alarm, the premises should be checked immediately for a possible fire source.

Dispose of used battery in an environmentally safe manner.

INSTRUCTIONS FOR WIRELESS CONNECTION

1. Switch the sensor on (you will hear a single beep when it is successfully switched on), then hold down the test button for more than 5 seconds - the red LED indicator will start flashing rapidly (EZ mode), indicating that the sensor is in WiFi pairing mode; If you wish to enter "AP" mode, hold down the test button again - when the red LED indicator starts flashing slowly, this indicates that you have entered "AP" mode.
2. Open the Tuya Smart or Smart Life app, click the "+" icon in the "My Home" menu, or directly click "Add Device" to add the first device.
3. Select category: Security Sensor → Smoke Detector → Smoke Detector (WiFi) to access the WiFi configuration interface.
4. Enter the name and password for the WiFi network, select "EZ mode" if the LED is flashing fast, or "AP mode" if the LED is flashing slowly, and click "Next".
5. Once the WiFi network configuration is complete, the LED will stop flashing and the device will appear in the "My Home" interface. At the same time, the sensor can be paired with your phone via Bluetooth - simply turn on Bluetooth on your phone. Once the sensor enters pairing

mode, the app will automatically scan and connect the device. Bluetooth is only used for pairing.

Attention:

In network configuration mode, the red LED indicator flashes continuously for up to 1 minute. If the configuration fails, put the sensor back into network mode and repeat the steps above. After power-up, the device can only be paired within 2 hours.

If this time elapses, the power must be switched on again. It is recommended to remove the batteries, press the test button and then reinsert the batteries. The sensor will enter pairing mode again when it beeps.

System version requirements on the phone :

Android: minimum supported version is Android 5.0

iPhone (iOS): the minimum supported version is iOS 9.0

If the app has a version $\geq 3.20.0$, an iOS version of at least 10.0 is required.

TECHNICAL SPECIFICATIONS

Standard: EN 14604:2005/AC:2008

Power supply: DC 3V

Battery capacity: 1600 mAh

Battery type : CR123A

Product lifetime : 10 years

Battery life : 2 years

Wireless protocol : Wi-Fi

Standard/version : 802.11b/g/n

Battery life: 10 years (non-replaceable)

Current consumption in alarm mode : $<50\text{mA}$

Frequency : 2.412-2.472GHz

RF conducted power : 11b:16 dBm 11g:15 dBm 11n:14 dBm

Average resting current: <9 μ A

Operating temperature: -10°C ~ 55°C

Operating humidity: \leq 95% RH

Alarm sound level : \geq 85dB (at 3m)

Alarm mode: Sound + light + application alarm

Sound level: \geq 85 dB / 3m

Mounting: On the ceiling (screwed)

Dimensions: 76 mm \times 76 mm \times 28.5 mm

Weight: 80 g

BATTERY REPLACEMENT

1. Unscrew the smoke detector from the mounting plate by turning it counterclockwise.
2. Replace the battery with a new one, taking care to position the terminals correctly according to the markings.
3. Press the test button to check the operation of the sensor, then reattach the sensor by turning it clockwise until it locks into place.
4. When the sensor indicates a low battery fault, immediately replace the battery with a new one of the same type. After replacement, press the test button - the sensor will beep and light up to confirm a successful replacement.

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TROUBLESHOOTING

Fault	Possible cause	Solution
Alarm sounds as soon as the power is switched on	Large amount of smoke in the room	Turn the unit back on after the smoke has cleared
	Internal system fault	Return the unit for service
Red LED flashes once and beeps once every 40 seconds after power on	Low battery voltage	Replace the unit

Red diode flashes twice and there are two beeps every 40 seconds after power on	Internal circuit failure	Return the unit for service
	Low battery voltage	Replace the unit
No alarm during test	No or very quiet buzzer sound	Return the unit for service
No sound or very quiet buzzer sound	Defective or improperly mounted buzzer	Return the unit for service

MAINTENANCE

After installing and commissioning the detector, press the test button once a week to test its operation.

Cleaning the smoke detector: clean the detector at least once a year to remove accumulated dust and maintain its efficiency.

Caution:

Do not paint the smoke detector or cover it with paints, varnishes or other coatings, as this may block the smoke supply and prevent the unit from functioning properly.

Do not use solvents or detergents to clean the sensor - these can penetrate the unit and damage the sensor or circuitry. Use a cotton cloth or sponge for cleaning.

UTILISATION

1. Dispose of in accordance with local electronic waste regulations.
2. Do not dispose of in fire or incinerate.

WARRANTY

Product covered by a 24 month manufacturer's warranty from the date of purchase. In case of problems, please contact customer service.