LONGSIN

Photoelectric smoke fire detection alarm user's manual

Thank you for using the products of Shenzhen Langxin Intelligent Technology Co., Ltd.,

Please read this manual carefully when you use this product. And follow The relevant operating instructions are carried out so that you can fully enjoy our company's offer The service, while avoiding accidents caused by your misoperation.

Please keep this manual properly so that you can refer to it when you need it daily use.

1.Product introduction

This product is a photoelectric smoke detector, and the circuit adopts photoelectric smoke sensor Monitor and temperature sensor to monitor the fire situation, the main control chip uses professional analog and digital The conversion input port intelligently judges the sensor signal; the structure adopts a unique Photoelectric signal feature processing and professional design, so the product is stable, dustproof, Anti-insect and anti-interference function of external light.

The product is suitable for residences, shopping malls, Hotels, restaurants, office buildings, teaching buildings, banks, libraries, computer rooms, etc. Smoke monitoring in indoor environments such as warehouses and warehouses.

2.Features

- Photoelectric smoke sensor
- Temperature sensor
- MCU intelligent processing
- wireless communication
- Sound and light alarm
- Manual test
- Mute
- Dust-proof, insect-proof, anti-astigmatism interference
- Low power consumption
- SMT process manufacturing, stable consistency

3.Technical parameters

Working voltage	battery 9V 6F22 battery
Quiescent current	≤15uA
Alarm current	≤200mA
Alarm mode	sound and light alarm
Alarm indication	Red LED
Alarm sound pressure	> 80dB/3m
Working temperature	-10℃ ～ +50℃
Environmental humidity	≤95%RH (no condensation)
Maximum installation height	12 meters

PICTURE 1

LED / TEST / MUTE / HEAT SENSOR

Monitoring area	≤60 m2 (when the height is 6 meters)
Wifi parameters	Wireless standard: 802.11 b/g/n
	Frequency Range: 2.412GHz-2.472GHz
Dimensions	Φ106*60mm
Executive standard	GB 20517-2006

4.Installation instructions

1. This product needs to be installed in a network environment with Wifi signal, the product and wireless router The distance of the device is recommended to be within 15 meters to ensure that the product can connect to the Wifi network.
2. Before using the product, the mobile phone needs to download and install the "Tuya Smart" APP, and enterthe APP to register an account for subsequent operations.
3. APP add device:
   a. Open the "Tuya Smart" APP, after the account is successfully logged in, click "My Home", Click the "+" button in the upper right corner of the page, there are two ways to add a device : "Manually add "and "Auto-discovery". If you use the "auto discovery" method, You need to turn on the Bluetooth and GPS of your mobile phone; if you use

the "manual add" method, Click "Sensing"→ "Smoke Alarm (Wi-Fi)".
   b. After the detector is installed with the battery, the buzzer will sound once, and immediately press the button three times to detect The indicator light on the top of the tester flashes 3 times, indicating that the key action has been performed, and then The network indicator at the bottom of the tester flashes in a 500ms period (fast flashing). The equipment has entered the state of network distribution.
   c. If you use the "Automatic Discovery" method, "LS-898-7P Smoke Sense" appears on the page When prompted by the device, click "Next". Enter Wifi SSID and password, click "Next", confirm the network indicator It is fast flashing, click "Next" to enter the device network configuration process page,When the "Add successfully" prompt pops up, the device is successfully added. If the SSID and password of the wireless router change, you need to reset it on the APP. New device is added.
4. Please connect the battery to the battery button and put it into the battery box inside the product to keep the battery When power is supplied, the product enters a normal working state, and the indicator light flashes every 30 seconds.
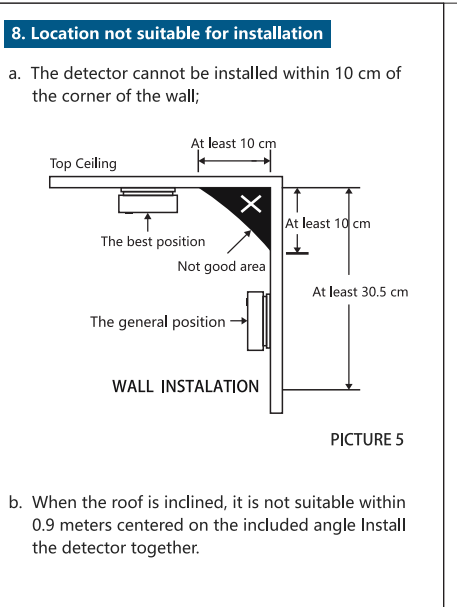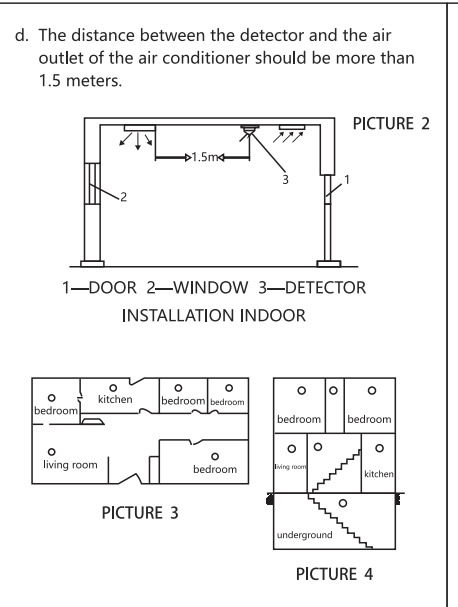
5.LED instructions

- Power on: The red light flashes once, and the buzzer sounds once simultaneously.
- Normal work: The red light flashes once every 30 seconds.
- Alarm: The red light flashes, and the buzzer sounds three times simultaneously.
- Fault: The red light flashes, and the buzzer sounds once synchronously (repeats every 60 seconds).
- Uncalibrated: The red light is always on.

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5. Press the test button to test whether the product is working properly, whether the buzzer beeps, LED Whether it is flashing, wait for about 10 seconds, and check whether the device status on the APP Update.
6. Smoke can be directly blown into the detector to test the performance of the product and turn on the alarm state. The red LED flashes and the buzzer acts; after the smoke disperses, the detector resets to Normal monitoring status.
7. Choose a suitable location and install it on the ceiling in the center of the detection space. Use the mounting screws to fix the base on the selected mounting position, and fix the detector Rotate clockwise firmly.

- During calibration: the red light flashes slowly.
- Calibration successful: The red light is on for 3 seconds, and the buzzer sounds once simultaneously.
- Calibration failed: the red light is always on.

6. Network indicator display definition table

Display mode	Definition
Red flashing 2 seconds off, 200 milliseconds on	Connecting to the wireless router
Flashing red 1 second off, 1 second on	The wireless router is connected, and the server is being connected.
Display mode	Connected to the server
Flashing every 500 milliseconds	In the state of network distribution

7. Installation location

a. A detector must be installed in each room in the detection area;
b. The distance between the detector and the wall and beam side is greater than 0.5 meters;
c. There should be no obstructions within 0.5 meters of the detector;

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d. The distance between the detector and the air outlet of the air conditioner should be more than 1.5 meters.

PICTURE 2
1—DOOR 2—WINDOW 3—DETECTOR
INSTALLATION INDOOR

PICTURE 3

PICTURE 4

8. Location not suitable for installation

a. The detector cannot be installed within 10 cm of the corner of the wall;

The best position
Not good area
The general position

WALL INSTALLATION

PICTURE 5

b. When the roof is inclined, it is not suitable within 0.9 meters centered on the included angle Install the detector together.

TOP CEILING
Not good position
Good postition area
SLOPING ROOF INSTALLATION

PICTURE 6
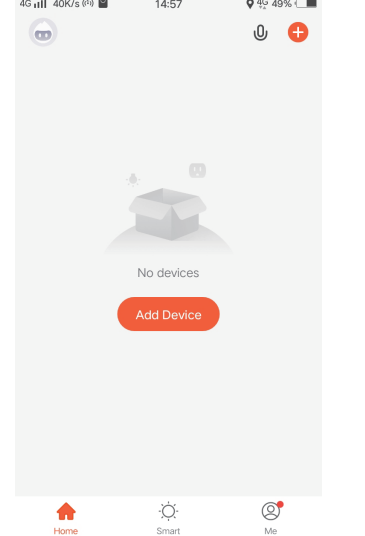

"Tuya Smart" APP
Operation steps

Tuya Smart
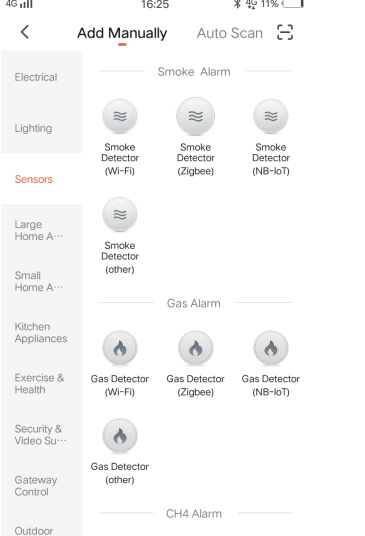Formal version

Download

1. Scan the code to download the Tuya Smart App, register an App account, And enter the App interface.
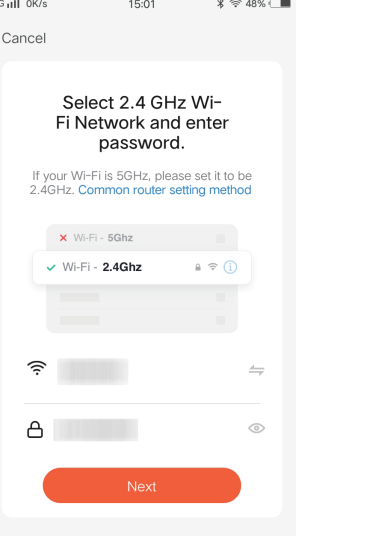

2. On the main page of Tuya Smart App, click "+" in the upper right corner.
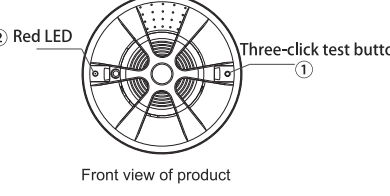

Add Manually   Auto Scan

No devices

Add Device

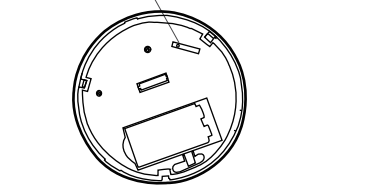3. Connect the phone to WiFi, click "Manually add"→ "Sensing"→"Smoke Alarm (Wi-Fi)".

4. Select the correct WiFi hotspot name and password (Note: you cannot enter If it is wrong, otherwise the connection cannot be made), click "Next".

Select 2.4 GHz Wi-Fi Network and enter password.

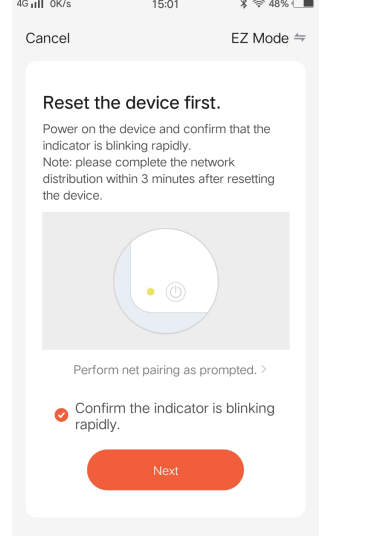If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method

Next

5. After connecting to the WiFi , operate the product to configure the Tuya app:
①Three-click test button of product ; ②The red LED indicator on the front flashes three times quickly ; ③An LED indicator hidden on the back from flash to blink rapidly. Indicates that the product is waiting for connect to the Tuya app.

② Red LED   Three-click test button ①
Front view of product
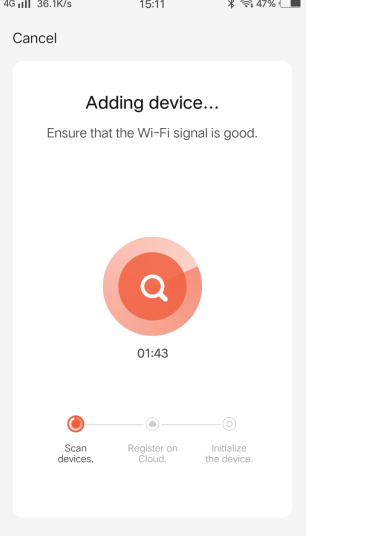③ Back LED indicator from slowing flashing to blink rapidly
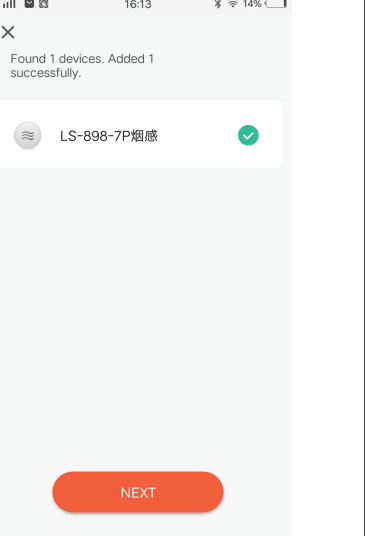
Drawing of battery compartment on the back of the product

6. Trigger the device to enter the network configuration state, check "Confirm that the indicator light flashes quickly", Click "Next".
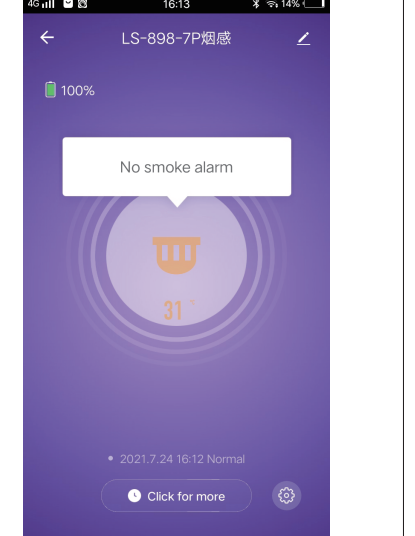

EZ Mode

Reset the device first.

Power on the device and confirm that the indicator is blinking rapidly.
Note: please complete the network distribution within 3 minutes after resetting the device.

Perform net pairing as prompted.

Confirm the indicator is blinking rapidly.

Next

7. When connecting wifi,pls make sure network WIFI work fine, keep the wireless router, device and mobile phone are all close.

Adding device...
Ensure that the Wi-Fi signal is good.

01:43

Scan devices.   Register on Cloud.   Initialize the device.

8. After connecting successfully, it will prompt "Add successfully", click "Finish".

Found 1 devices. Added 1 successfully.

LS-898-7P烟感

NEXT

9. Return to the main page of the App, you can see the device just added, Click on the device to enter the device status display page.

LS-898-7P烟感
100%
No smoke alarm

2021.7.24 16:13 Normal
Click for more

10. Click the "Settings" icon to enter the setting page and select the desired, News inform.

Setting

self_test
temp_high_alarm
smoke_alarm
Device fault
Low battery