

WIFI Gas Detector User Manual

V 1.0



Tuya smart app

Search Tuya in the APP store and download it to use it

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1. Product Overview

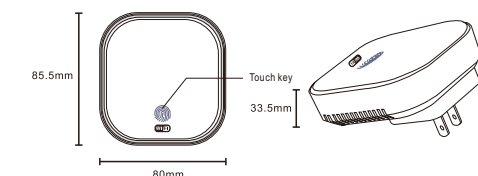
This product is a WIFI based smart catalytic combustion type gas sensor. It can be used to detect the concentration and leakage of various combustible gases like, natural gas, LPG gas, coal gas, methane, propane etc. The alarm adopts advanced design technology, with its stability, reliability, quick response, beautiful appearance, and smart APP, it is suitable for a variety of applications such as homes, warehouses, hotels, companies, schools, hospitals, restaurants, etc. It could monitor the gas level in these places, when the gas leak is detected, it would flash, sound locally and send alarm notification to your app immediately.

2. Parameter

Power supply: 110-240VAC
Power <1w
Warm-up time: 180s after plug-in
Standby: blue led blinks once every 10s
Working temperature: -10 -- 60°C
Working Humidity: 0%--95%RH
Gas warning level: 1500PPM 3%LEL
Gas alarm level: 3500PPM 7%LEL
Serious gas alarm level:5000PPM 10%LEL
APP detection interval: 10s
Horn level: 85db

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3. Features



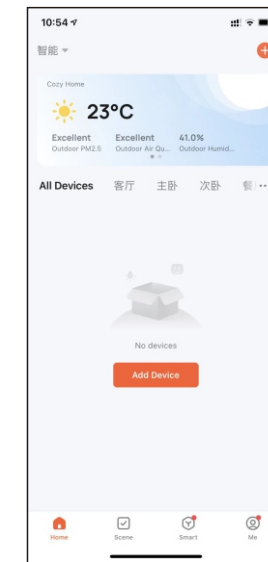
- Red led: alarm
- Blue led: Warm-up, standby
- Purple led: Pairing
- Detection range: 1.5m away from the gas source (radius)
- Installation height: LPG gas is heavier than air, about 0.3 meters above the ground.
- Natural gas is lighter than air, more than 1.5 meters above the ground.

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4. How to pair it to WIFI

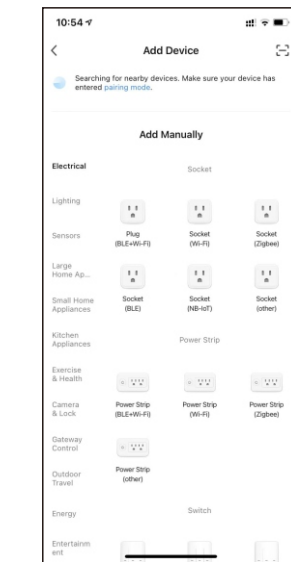
- 1) Download tuya smart app in the app store and register an account.
Note: It is recommended to register with a mobile phone number. WeChat or email registration may cause the app alert is not sent out in time.
- 2) Open the Bluetooth and location of your phone, connect it to wifi --- open the APP click + in the upper right corner --- auto search device nearby --- Power the device on --- long press the touch key in the warm-up state until the bi-color led blinks--- find the device -- add the device -- Input wifi password (this step may be skipped if wifi is already connected) -- next -- ok -- enter into device main interface

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After connecting to wifi, login to APP and add device

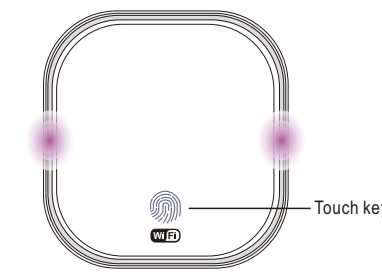
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Search bluetooth device nearby

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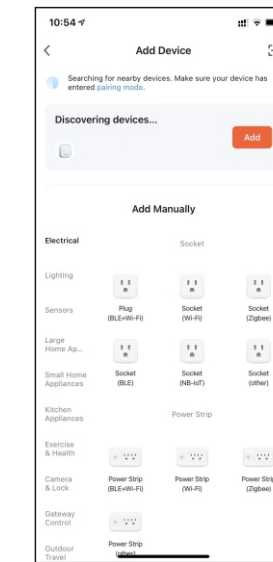
Device operation



Pairing operation

Plug the device to power socket ---- long press touch key during the 3 minuets warm-up process --- bi-color led blinks then release the key ---- the device is in the pairing mode

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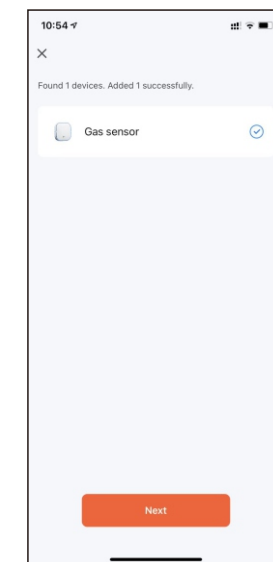
APP find device--click add

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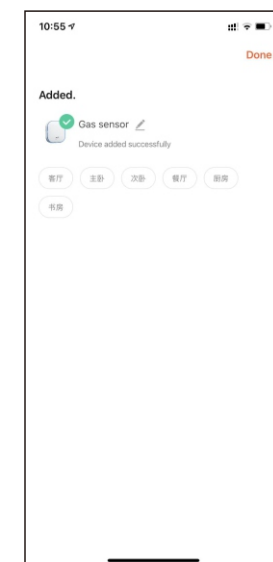
Adding device

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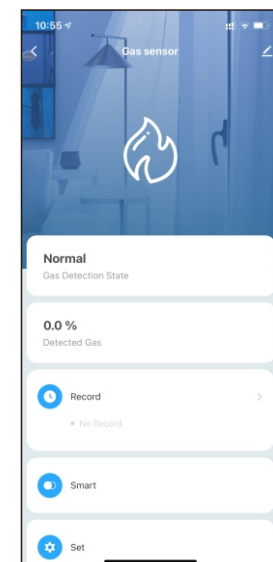
Added successfully, click Next

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Added successfully, click Ok

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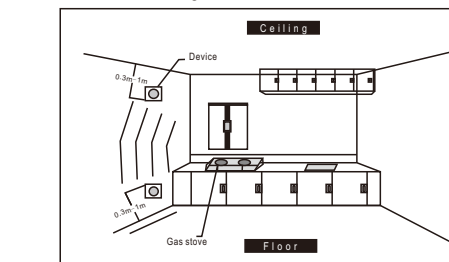


Main interface of equipment

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5. Installation

Installation Diagram



Installation notice

- 1.To detect LPG gas, install it 0.3-1m (3-8 feet) from the floor, within 1.5m radius of the potential gas leak place. Because the LPG gas is heavier than air and will sink.
2. To detect coal gas, natural gas or methane, install it 0.3-1m (3-8 feet) from the ceiling and within 1.5m radius of the potential gas leak place. Because coal gas, natural gas or methane gas is lighter than air and will rise. Refer to the diagram above for detail.

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6. Product function description

1) Warm-up state

Before using the gas detector, it needs to heat its inside sensor to produce a chemical reaction to ensure its detecting stability and reliability. This state is called warm-up state. It goes into warm-up state for 3 minuets after being plugged into the power socket and the blue led blinks slowly with voice prompt during this period.

2) Early warning state

The detector goes into earning warning state when it detects the gas concentration is above 1500PPM(3%LEL). At this time, the detector would flash, make sound as well as push warning notification to user mobile until the gas concentration decreases.

3) Alarm state

When the detector detects the gas concentration is above 3500PPM(7%LEL), it would alarm. It would make sound, red led flashes and push alarm message to user. If the gas concentration keeps this high level it would keep sounding and flashing.

4) Silence the device

When the device is alarming, press the touch key to cancel the alarm sound or open the app --click device icon to enter its interface ---click mute (the red led would still flashes)

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5) Share the device by multiple people

Open tuya app --click device icon to enter its interface -- click / at upper right corner -- choose share device -- add other tuya account.

6) How to distinguish each device

Open app -- click device icon to enter its interface --- click / at upper right corner -- change device name. Then when it alarms, it would push message by the changed device name.

7. Notes for device pairing

- 1) Make sure the device, mobile and router are as near as possible
- 2) Make sure wifi broadcast is turned on, not hidden.
- 3) Make sure the router encryption is WPA2-PSK, authentication type is AES or set both to auto. Wireless mode could not set 11n only.
- 4) If the number of devices connected to the router reaches the upper limit, you can try to disable a device to vacate the channel.
- 5) If pairing fails repeatedly, try to use another phone as a hotspot. Connect your phone to the hotspot of the other phone and then repeat the pairing process. If it works, that means the device is working. Reset your home router and try the pairing again.

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8.Matters needing attention

- 1) No matter whether the device is powered on or not, long-term placement in a high concentration gas will affect the characteristics of the internal sensors of the device. It is forbidden to spray lighter gas directly into the internal sensor of the device, because pure high concentration gas will cause great damage to the sensor.
- 2) This product has no waterproof and fireproof design. Do not throw it into water or use it outdoors in rainy days, extreme high temperature or low temperature environment, which will cause short-circuit and burning. Install it out of reach of children and pets to avoid unnecessary danger of electric shock.
- 3) There is a high-voltage circuit inside the product. It is strictly forbidden for non-professionals to disassemble the machine without permission to avoid unnecessary accident injuries. Basic safety precautions should always be followed.
- 4) A single device may not be able to provide enough warning in a vast area and a very ventilated environment. If an alarm occurs, attention should be paid. In addition to the correct use of the alarm, safety awareness should also be strengthened.
- 5) The equipment should be regularly inspected and maintained. An alarm should be triggered at regular intervals to determine whether the WIFI is disconnected and the alarm is working normally.

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6) You can monitor the device anywhere on your APP as long as the device is connected to wifi. The device would auto re-connect to WIFI after power is off and then resumes, no need to re-pair it.

9. Mobile push settings (Important)

- Iphone: Settings -Notifications--find tuya smart app--allow notifications
- Xiaomi: settings - notification and status bar - notification management - - find tuya APP - click to allow various notifications - then exit to return settings - find authorization management - self-start management - allow APP to auto-start.
- Huawei: settings - notification and status bar - notification management - find tuya APP - click to allow various types of notifications - then exit to return settings --- find authorization management - find tuya APP - permissions -- self-start management -- allow the auto-start.
- OPPO/VIVO Mobile: Phone Settings - Status Bar and Notifications - Manage Notifications - Find tuya App - Allows all types of push. - Exit the return settings - Authorization management - find the tuya APP - allow self-starting. Other mobile phone settings are basically the same.

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