尺寸：55x55mm (折页)
材质：80g 双铜
印刷：彩色印刷
Zigbee RQ500A燃气

Zigbee combustible Gas detector

* please read the manual carefully and keep it for future reference

Product description

It is a WiFi flammable gas alarm,which is used to detect the leakage of flammable gas and prevent the harm caused by gas leakage. The alarm uses high stability semiconductor gas sensor, which has the characteristics of high stability and small sensitivity drift. When a flammable gas leak is detected and the concentration value set by the alarm is reached, the alarm will send an alarm signal. This product is used indoor where leakage may occur, such as kitchens.

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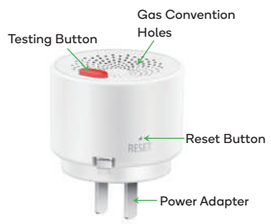
Product diagram



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Parameters

Working Voltage：AC85V-250V
Average Consumption：≤1.5W
Alarm Sound：70dB（1meter）
Alarm Density：7%LEL±3%LEL（CH4）
Zigbee standard：IEEE802.15.4
Working frequency：2.405~2.480GHz
Working Temperature：-10℃~+50℃
Working Humidity：Max.95%RH

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Installation diagram

Before installation, please confirm the detecting gas density heavier or lighter than air. If detecting gas is heavier than air: LPG. etc, install at 0.3-1m height from floor, semi-diameter to gas source less than 1.5m. If detecting gas is lighter than air: nature gas, manufactured gas, marsh gas, etc, install at 0.3-1m height from ceiling, semi-diameter to gas source less than 1.5m.

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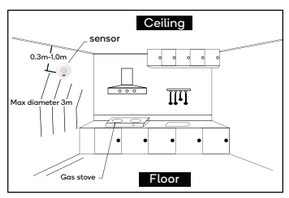

Installation diagram

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How to use:

1. Zigbee sensor can't work stand alone , it has to connect Tuya Zigbee gateway to work , that means you have to have a gateway before use it .

2. Download Tuya Smart App in application store, or scan the below QR code,then register and login App according its tips .

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iOS/Android

3. Power on gas detector, the LED light flashes with three colors and then stays green means initialization success. (It will take 5 minutes).

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* Red LED flashes means waiting for connecting with gateway.

* Yellow LED flashes means not connecting with gateway.

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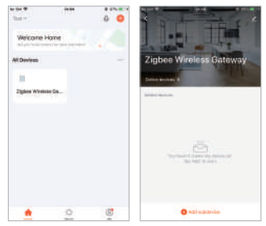
4. Adding a gateway into App according its user manual. (if you had added gateway just ignore this step).



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5. After adding gateway, click it to select 'Add zigbee device' . Use a pin to press 'RESET' for 5 seconds till the indicator flash quickly for configuration. App search nearby devices to add. The indicator of gas detector will be ON all the time after about 25 seconds, it means paired successfully. the icon of gas detector will be displayed at App interface. Click it to finish.

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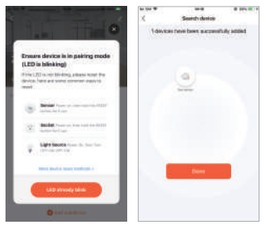

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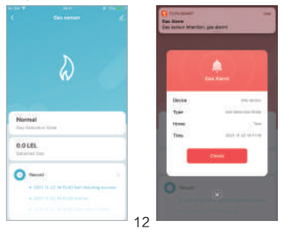
6. After connected success , In the interface of Gas detector, click SET, you can set gas-self-detecting, modify alarm sound, and alarm time, etc.



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Indicator Status

Status	Color	Indicator	Alarm sound
Power	Green	Keeping on	No
Alarm	Red	Flashing	Di-Di alarm. Many ringtones for option in the App
Malfunction	Blue	Keeping on	Di
Connecting gateway success	Green	Keeping on	No
Not connecting gateway	Yellow	Flashing	No

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Product testing

This product has a self-test button, and there is also a self-test button on the APP, which can be used to detect whether the alarm and the buzzer can work normally. When the self-test is pressed, the red LED of the alarm flashes. The buzzer beeps.

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Alert handling

When the concentration value of natural gas or liquefied petroleum gas with heavy ambient air reaches or exceeds the alarm concentration value,the alarm will automatically enter the continuous alarm state. At this moment, we should do the followings:

① Close the pipeline valve immediately.

② Extinguish all sources of ignition and avoid using everything that generates sparks.

③ Avoid switching various electrical appliances.

④ Immediately open the windows to convect the indoor air.

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Malfunction analysis and troubleshooting

Malfunction phenomenas	Reasons	Troubleshootings
Warming up after Power On (LED keeps flashing)	① Long time no power ② Test with gas when warm-up	① Power on detector and aging test for 24 hours ② Do not test when warm-up
Blue light keeps on,and buzzer keeps beeping	Detector fault	Contact dealer to repair
Connecting gateway failure	① Gateway is no problem? ② Green indicator not flashing?	① Try to add other Zigbee sensor to confirm if gateway is no problem. ② Using a pin hold RESET key for 5 seconds until sounds Di and indicator flashing .and then try again.

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Tips

① It is normal to have a slight heat on the surface of the case during operation.

② It is recommended to remove the alarm during the decoration.

③ Avoid spraying aerosol on the gas alarm.

④ If the alarm is used for a long time, the gas convention holes will have some oil stains, which will affect the sensitivity of the gas sensor. Do not let the detergent enter the body. Retest the product after cleaning.

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⑤ The service life of the semiconductor sensor used in the alarm is 5 years. When it exceeds the service life, please replace it in time.

⑥ It is forbidden to use a lighter to test the alarm gas convention holes to avoid damaging the internal sensor of the alarm.

⑦ For your safety, besides using this product correctly, you should also be alert in your daily life and strengthen your awareness of safety and prevention.

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