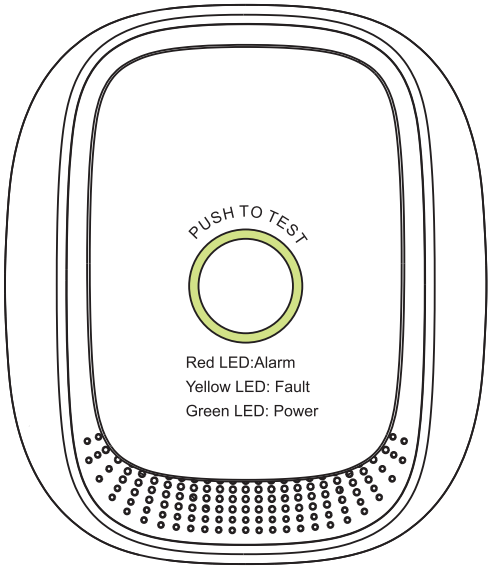


Gas Detector

Quick Start Guide

Safety Notice

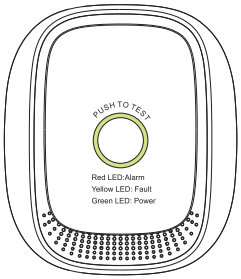
WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the Gas Detector and other property. Read all the safety notices below before using the Gas Detector.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

Power Supply	• AC100V-240V
Average Consumption	• < 1.5W
Alarm Sound	• 75dB/m
Alarm Density	• 6%LEL±3%LEL (natural gas)
Working Temperature	• -10° C~+50° C
Humidity	• <=95%RH
Networking Mode	• ZigBee Ad-Hoc Networking
Networking Distance	• <=100m (open area)
Anti-RF interference	• 10MHz-1GHz 20V/m
Dimensions	• 79x68x31mm (plug is not included)

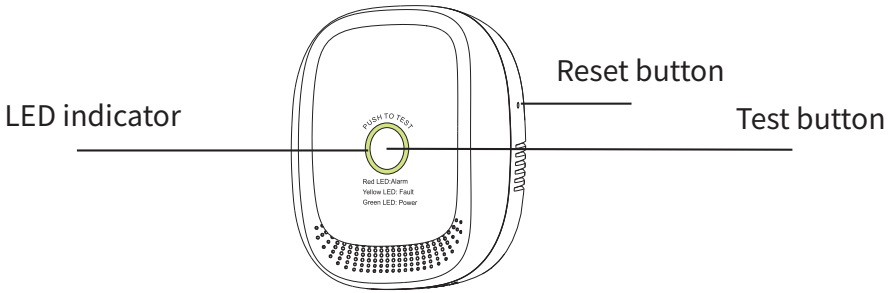
1 Introduction



The Gas Detector uses an extra low power consumption ZigBee wireless module. It is used for detecting combustible gas leakage. Also it can also be used as a ZigBee repeater that extends wireless transmission distance. The gas detector adopts high stability semi-condutor gas sensor with little sensitivity drift.

This guide will provide you with an overview of the product and help you get through the initial setup to installation.

2 Get to know your device



Reset button

Reset. Press and hold the reset button for five seconds until the LED indicator flashes green six times to reset to default factory setting.

Test button

Test. Press the test button to enter test mode. The LED indicator will flash three times and the alarm will beep three times.

LED indicator

Please refer to the table below for LED status information:

Light	Status	Alarm sound
Green LED	Normal	No
LED flashes alternatively	Device warming up	Beep once when powered on
Red LED flashes	Alarm	Rapid beeps
Yellow LED solid	Fault	No

3 Get Started

3.1 To get started, you will need:

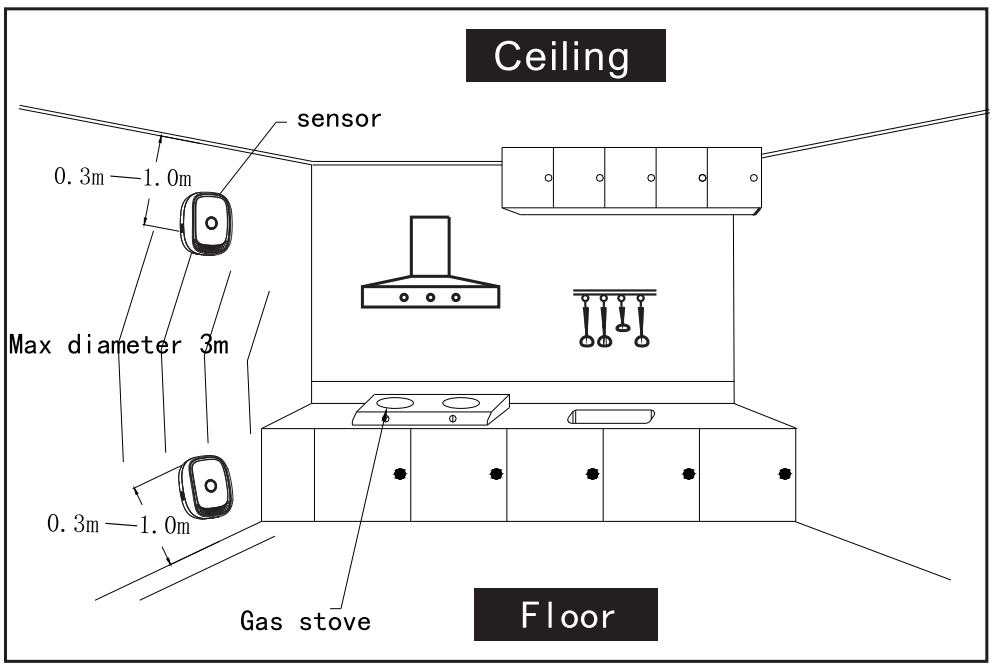
A SEG-X3 Smart Gateway
The mobile app

3.2 Connect to gateway's network

1. Plug the gas detector to power outlet, the LED indicator will flash alternatively for three minutes, indicating the sensor is warming up.
2. After the LED indicator become solid green, set your gateway to permit joining.
3. The gas detector will join the gateway's network automatically. The LED light will be off and then light up in green again indicating the gas detector has successfully joined the gateway's network.
4. Now you can see the gas detector under "Security" in the mobile App.

3.3 Mounting instructions

Before installation, please confirm whether the gas density is heavier or lighter than the air. If the gas is heavier than the air, such as LPG, etc, install at 0.3-1m height from floor, less than 1.5m from the gas source.If the gas is lighter than air, such as natural gas, manufactured gas, marsh gas, etc, install at 0.3-1m height from ceiling, less than 1.5m from the gas source.



Mounting example