

CO Detector

Quick Start Guide

Safety Handling

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

Wireless Connectivity

ZigBee	<ul style="list-style-type: none">• 2.4GHz IEEE 802.15.4
ZigBee Profile	<ul style="list-style-type: none">• ZigBee HA1.2
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• Range outdoor/indoor: 100m / 30m

Physical Specifications

Battery	<ul style="list-style-type: none">• Voltage: DC3V• Type: CR123A Lithium Battery• Standby/Alarm current: $\leq 20\mu\text{A}$ / $\leq 60\text{mA}$
Voltage low alarm	<ul style="list-style-type: none">• 2.6V
Warm up time	<ul style="list-style-type: none">• 3 min

Trigger type	<ul style="list-style-type: none"> • CO
Alarm Sound	<ul style="list-style-type: none"> • 85dB/3m
Alarm Sensitivity	<ul style="list-style-type: none"> • 30ppm 120mins alarm • 50ppm 60-90mins alarm • 100ppm 10-40mins alarm • 300ppm 3mins alarm
Operating environment	<ul style="list-style-type: none"> • Temperature: -10℃ ~+50℃ • Humidity: ≤ 95 % non-condensing
Dimensions	<ul style="list-style-type: none"> • 60x60x50 mm
Weight	<ul style="list-style-type: none"> • 63g

1 Welcome

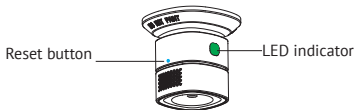


The CO Detector uses an extra low power consumption ZigBee wireless module that is specially used for detecting carbon monoxide. The sensor adopts high performance electrochemical sensor that has a high stability, and little sensitivity drift. There is also an alarm siren and flashing LED.

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.**

Join the ZigBee gateway: Press and hold the reset button for two seconds until the LED indicator rapidly flashes yellow to join the gateway.

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

LED indicator

The LED status gives the following information:

Status	Light	Alarm sound
Green LED flashes every 1 minutes	Normal	No
LED flashes alternatively	Alarm	Rapid beeps
Yellow LED flashes/solid	Low/super low power	No

Test: Press the LED indicator to enter test mode. The LED indicator will flash alternatively and the alarm sound will beep four times at the same time.

3 Configure Network

3.1 To get started, you will need:

- A Zigbee Gateway
- A mobile phone with a mobile APP installed

3.2 Adding to the gateway's network

1. Set your gateway to permit joining.
2. Pull out the battery pull tab to power on the CO Detector.



Battery pull tab

3. Use a pin to press the reset button in the CO Detector for two seconds until the LED rapidly flashes in yellow, and it will join the gateway's network. The LED light will become steady when it has successfully joined.

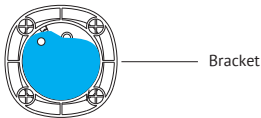
4. Now you can see the CO Detector under "Security" in the mobile App.

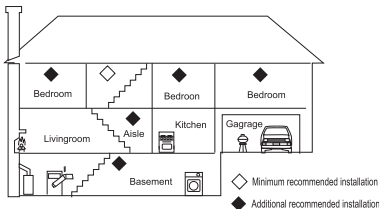
3.3 Mounting instructions

- To increase safety factors in single-floor house, it is suggest to install at least one sensor in each bedroom. Please install the sensor at least 6m away from chimney or gas fixture.
- To increase safety factors in multi-floor house, it is suggest to install at least one sensor in each bedroom and install at least one sensor in basement. Please install the sensor at least 6m away from chimney or gas fixture.

Mounting steps:

1. Make sure that the surface is clean to ensure good bonding.
2. Peel off the liner of the double-sided tape on the bracket and place the bracket to where you want to place it.
3. Screw the CO detector into the bracket.





Mounting example