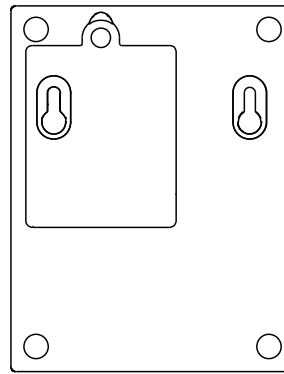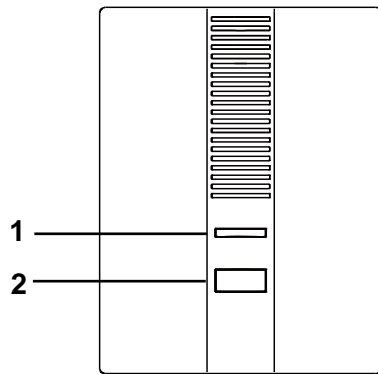# Wireless Carbon Monoxide Detector (CO-S1)

Parts Description

1. Dual Color LED Indicator (Amber & Red)

2. Learn/Test Button

Press the button to transmit a learn/test code or silence the alarm

Package Content

1 x CO Detector

1 x Mounting Bracket

2 x wall plugs and screws

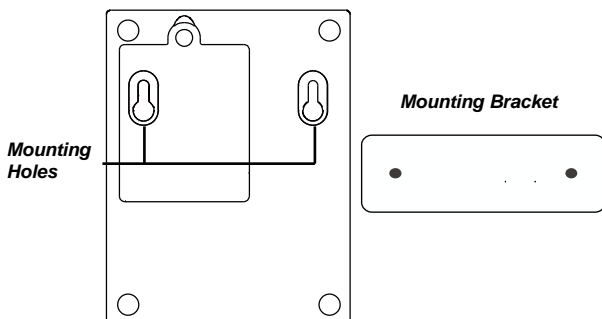3 x AA 1.5V alkaline batteries

Learning

Put the Control Panel into learning mode, then press the Learn button to transmit learn code. Refer to Control Panel manual to complete the learning process.

Installation

Mounting

Use the mounting bracket included in the package to mount the CO detector on the wall.

1. Use the two holes on the mounting bracket as template, drill two holes on the wall.
2. Insert wall plug if fixing into plaster or brick
3. Screw the bracket onto the wall.
4. Hook the CO detector onto the mounting bracket.

Mounting Holes

Mounting Bracket

Operation

Carbon Monoxide Detection

Upon CO detection, the CO Detector will raise alarm with its built-in siren and send alarm signal to Control Panel in different time length according to the CO concentration level detected. Please see following table for reference.

CO concentration level	Time taken before alarming
30 ppm	None
50 ppm	60~90 minutes
100 ppm	10~40 minutes
300 ppm	Under 3 minutes

Once the CO Detector has activated the alarm, it will continue to resend the alarm signal every 10 minutes until the CO concentration level drops below 30 ppm. The CO Detector will then send a restoration signal and stop the alarm. You can also press the learn/test button to silence the alarm manually. The CO Detector will then enter Alarm Silence mode.

Alarm Silence

When the alarm is activated, pressing the learn/test button will put the CO Detector into Alarm Silence mode for 10 minutes.

During this period, the built-in siren will be silenced and the Amber LED will flash once per second.

After the 10-minute period is over, the CO Detector will check the CO concentration again. If the CO concentration is still over alarm threshold, the CO Detector will sound the alarm and transmit alarm signal again. If not, it returns to normal operation.

Battery

The CO detector uses three AA 1.5V alkaline batteries as its power source. It features low battery detection function to notify the Control Panel when battery voltage is low.

Follow the procedure below to change the batteries.

1. Loosen the screw on the back to open battery compartment cover.
2. Remove the old batteries.
3. Press the learn/test button several times to fully discharge.
4. Insert the new batteries observing correct polarity. The CO detector will sound 2 short beeps, RED LED will flash once
5. Replace the battery cover and tighten the screw.

LED Indicator

Off	Normal Operation
Amber LED flashes every 30 seconds	Low Battery
Amber LED flashes quickly	CO Sensor fault
Red LED flash	CO Detector is alarming
Red LED on	CO Detector is transmitting signal

Specification

Environmental Condition

-10°C to 40°C, relative humidity 85% non-condensing.

Radio

433 MHz

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FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

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