

Tough and Reliable
with Great Looks
at a Low Cost

AC Powered Plug-In Carbon Monoxide Alarm

● Model: CO302Q

Power/ Alarm/ Fault LED

LED indicates power on , alarm and fault

Test/Silence/Reset

Tests gas alarm circuit operation and allows you to immediately silence or reset the alarm

Gas Sensor

High sensitivity electric chemical CO gas sensor with micro controller unit intelligent firmware makes gas detection more accurate and stable

Buzzer

More than 80dB sound alarm

**NEW
FEATURE**

**Intelligent MCU software
minimize the nuisance alarm**



Description

The Alarm is an AC powered plug-in, carbon monoxide alarm that can be installed easily in any standard wall outlet. The carbon monoxide alarm uses advanced technology to monitor for carbon monoxide levels in your home and features the high precision sensor and world's most accurate carbon monoxide sensing technology. This alarm has a clean, low profile design along with two LED's; green for normal operation, yellow for fault alarm and red for alarm mode.

The plug-in, 90-280VAC, carbon monoxide alarm provides you and your family with a warning signal to protect against dangerous levels of carbon monoxide in your home. This alarm is easily installed near any of your AC wall outlets. The green LED shows that AC power is present and the alarm is working properly. The red LED will illuminate when the alarm detects carbon monoxide and indicates that you and your family should move to fresh air. The alarm offers a 5 year limited warranty.

Features and Benefits

- **High sensitivity gas sensor** - Electric chemical CO gas sensor makes gas detection more accurate and stable
- **Power Input** - AC220V
- **Easy Installation** - Mounts near to any wall outlet.
- **Loud 80dB** - Alerts you of deadly CO gas.
- **Self diagnostic function**- by MCU intelligent software.
- **Quality Design** - 5 year limited warranty.
- **Test/Reset Button** - Tests the alarm electronics and resets the unit during alarm.
- **Power LED** - Indicates alarm is receiving power and operating properly.
- **Alarm/Fault LED** - Illuminates when in alarm/fault mode.

Architectural and Engineering Specifications

The carbon monoxide alarm shall be CO303. It shall be powered by a 90-270VAC, 50/ 60 Hz source. The temperature operating range shall be between -10°C and 50°C and the humidity operating range shall be 5%-95% relative humidity.

The CO sensor shall be of a fuel cell design and shall meet the sensitivity requirements of Underwriters Laboratories UL2034 Single and Multiple Station Carbon Monoxide Alarms.

The alarm shall include an integral plug that can be installed in any electrical outlet following the UL/NFPA/Manufacturer's recommended guidelines. The unit shall have a green LED that will illuminate continuously and indicate that the CO alarm is receiving power and the alarm circuit is functioning.

The alarm shall include a test/reset button. If pressed and released during normal operation, it shall electronically simulate the presence of CO and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. If pressed during alarm mode, the unit will be silenced and will begin monitoring CO levels again.

In accordance with UL 2034, the CO sensor will not alarm to levels of CO below 30 ppm and will alarm in the following time range when exposed to the corresponding levels of CO.

70 ppm CO concentration	60 – 240 minutes
150 ppm CO concentration	10 – 50 minutes
400 ppm CO concentration	4 – 15 minutes

The alarm shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. When the unit detects carbon monoxide, the alarm pattern will be four (4) short beeps – followed by five (5) seconds of silence – followed by four (4) short beeps.

The unit shall include a 5-year manufacturer's limited warranty.

Technical Specifications

Power Source: AC220VAC

Power Consumption: <1.5W(Standby), <3W(Alarm)

Sensitivity: 70 ppm CO concentration	60 – 240 minutes
150 ppm CO concentration	10 – 50 minutes
400 ppm CO concentration	4 – 15 minutes

Audio Alarm: 80dB at 10ft (3meters)

LED: Green, Normal; Red, Alarm; Yellow, Fault

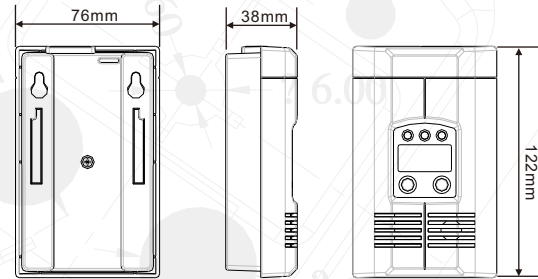
Temperature Range: -10°C to 50°C

Humidity Range: 5%-95% relative humidity (RH)

Size: 76mm Width x 122mm Height x 38mm Depth

Weight: 265g

Installation of CO Alarm



Ordering Information

Model	Pack Quantity	Dimensions (w x d x h millimetres)	Weight
CO303	Individual (1 units)	76x38x122	265g

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