# PRODUCT SPECIFICATIONS

Doc. No. CO03D

X-SENSE
Your Trusted Home Safety Innovator









# Carbon Monoxide Alarm

## CO03D

## Technical Specifications

| | |
|---|---|
| Safety Standard | EN 50291, UL 2034 |
| Sensor Type | Electrochemical |
| Operating Life | 10 years |
| Power Source | 3 × 1.5 V AA alkaline battery (replaceable) |
| Alarm Sound Level | ≥ 85 dB at 1 m (3.28 ft) |
| Operating Temperature | 4-38°C (40-100°F) |
| Operating Relative Humidity | 10%-85% RH (non-condensing) |
| Silence Duration | Approx. 9 minutes |
| Indicator Light | Red, green, and yellow LEDs |
| Product Weight | 133 g (0.29 lb) |
| Product Dimensions | 110 × 110 × 37 mm (4.3 × 4.3 × 2.5 in) |
| Package Contents | 1 × Alarm Unit + 1 × Mounting Bracket + 2 × Screws + 2 × Anchor Plugs + 3 x 1.5V AA Batteries + 1× User Manual |

## Working Modes

| | |
|---|---|
| **Power On** | After the batteries are installed properly, the unit will beep once and the yellow, green, and red LEDs will flash in sequence for 8 times. "---," and "0" will be displayed on the screen with a blue backlight. In 1-2 minutes, the backlight will turn off and the green indicator will flash once every 60 seconds indicating that the device is functioning properly. |
| **Standby Mode** | The green LED indicator will flash once every 60 seconds. |
| **Alarm Mode** | 4 quick beeps every 6 seconds. The red LED indicator will flash with the alarm sound. |
| **Exiting an Alarm** | When the CO concentration drops below the alarm threshold, the alarm signal will stop, the green LED indicator will continuously flash once per second for 5 seconds and then the alarm will enter the standby mode. |
| **Test Mode** | When testing your alarm weekly, you should first wake up your alarm by pressing the TEST/HUSH button. After the alarm is awake, press the TEST/HUSH button again and the alarm will enter the test mode.<br>· Action: Press the TEST/HUSH button.<br>· Indication: The alarm will sound 2 sets of 4 quick beeps. The red LED indicator will flash once every second during the audible signal. |
| **Silence Mode** | If you press the TEST/HUSH button during an alarm state, the unit will enter silence mode. If the CO concentration still exceeds the alarm threshold, the unit will re-enter the alarm state. Otherwise, the unit will exit the silence mode for 9 minutes and resume normal operation.<br>If the CO concentration is above 300 ppm, the silence function cannot be enabled.<br>Silence Duration: Approx. 9 minutes. |
| **Low Battery Warning** | The yellow LED indicator will flash together with one beep every 60 seconds. |
| **Malfunction Warning** | The alarm will deliver 2 beeps and the yellow LED indicator will flash 2 times every 60 seconds. After entering the malfunction mode, the alarm must be replaced immediately. |
| **End of Life** | Once the maximum lifetime (10 years) is reached, the alarm will deliver 3 beeps and the yellow LED indicator will flash 3 times every 60 seconds. This end-of-life signal can be temporarily silenced for 22 hours by pressing the TEST/HUSH button. The end-of-life silence feature can only be used for a total of 30 days. After 30 days, the end-of-life signal cannot be silenced. |

## CO Sensitivity

The carbon monoxide alarm is programmed to sound an alarm at the following CO concentrations within the time periods listed:

**EN 50291:2010 Standard:**

| | CO Concentration | Alarm Response Time |
|---|---|---|
| **CO Concentration Sensitivity** | 30 PPM | > 120 minutes |
| | 50 PPM | 60-90 minutes |
| | 100 PPM | 10-40 minutes |
| | 300 PPM | < 3 minutes |

**2034 Standard:**

| | CO Concentration | Alarm Response Time |
|---|---|---|
| **CO Concentration Sensitivity** | 70 PPM | 60-240 minutes |
| | 150 PPM | 10-50 minutes |
| | 400 PPM | 4-15 minutes |