

# PRODUCT SPECIFICATIONS

Doc. No. CD02-PD02

**X-SENSE®**  
Ultimate Safety Experts



EASY INSTALLATION

## Carbon Monoxide Alarm

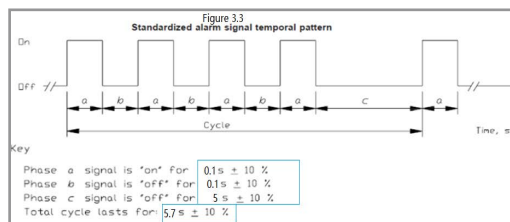
CD02

### Technical Specifications

<b>Sensor Type</b>	Electrochemical CO sensor
<b>Operating Voltage</b>	3 V DC
<b>Battery Type</b>	3.0 V lithium battery
<b>Standby Current</b>	BAT < 6 $\mu$ A (The average standby current is less than 6 $\mu$ A during a 10-minute test. The BAT cannot be tested within 5 minutes after the unit is turned on.)
<b>Alarm Current</b>	BAT < 60 mA
<b>Audibility Level</b>	> 85 dB @ 3 m
<b>Operating Ambient Temperature</b>	40-100 °F (4.4-37.8 °C)
<b>Operating Relative Humidity</b>	≤ 85% (non-condensing)
<b>Safety Standards</b>	EN 50291
<b>Product Life</b>	10 years

## Working Modes

<b>Power On</b>	After the unit is fully mounted into the mounting bracket, it will automatically turn on. The LCD display will activate and the LED indicator will blink 8 cycles (red/green/yellow) in sequence. Afterwards, the LED indicator and LCD will turn off, and the unit will enter the standby mode. The LCD display will turn off if there is no operation within 5 minutes.
<b>Standby Mode</b>	The LED indicator flashes green once every 60 seconds.
<b>Silence Function</b>	<ul style="list-style-type: none"> <li>• If you press the Test/Silence button during an alarm state, the unit will enter silence mode. If the CO concentration still exceeds the alarm threshold within 6 minutes, the unit will enter the alarm state again.</li> <li>• Silence duration: Approx. 9 minutes</li> </ul>
<b>Exiting an Alarm</b>	When the CO concentration drops below the alarm threshold after an alarm state, the alarm signal stops, the LED indicator will continuously flash green once per second for 5 seconds and then enter the standby mode.
<b>Low Battery Warning</b>	<ul style="list-style-type: none"> <li>• Low voltage range: 2.65-2.75 V DC</li> <li>• The LED indicator flashes yellow together with 1 beep every 60 seconds.</li> </ul>
<b>End of Life</b>	Once the maximum lifetime (10 years) is reached, the alarm beeps twice and the LED indicator flashes yellow twice every 30 seconds. If you press the Test/Silence button, the alarm will be silenced for 3 days (72 hours). This function can be used 10 times in 30 days. After 30 days, the end-of-life signal cannot be silenced.
<b>Fault Indication</b>	The unit delivers 2 beeps approximately every 40 seconds and the LED indicator flashes yellow 1 to 4 times.
<b>Test Button</b>	<ul style="list-style-type: none"> <li>• To save power, the LCD display will turn off if there is no operation within 5 minutes. When testing your alarm weekly, you should first wake up your alarm by pressing the test button. After the alarm is awake, press the test button again and the alarm will enter the test mode.</li> <li>• Once the alarm is in the test mode, the alarm will deliver 2 sets of 4 quick beeps, to indicate the alarm is operating normally. The LED indicator will flash red with the alarm sound.</li> <li>• To silence the unit during an alarm.</li> <li>• To test the unit's electronics and check the alarm function.</li> </ul>
<b>Alarm Mode</b>	The unit delivers 4 quick beeps every 5.8 seconds. The LED indicator flashes red with the alarm sound.



## CO Sensitivity

	CO Concentration	LCD Reading Range	Alarm Response Time
<b>CO Concentration Sensitivity</b>	50+3/-2 PPM	50 ± 20%	60-90 minutes
	100+3/-2 PPM	100 ± 20%	10-40 minutes
	300+3/-2 PPM	300 ± 20%	< 3 minutes