

# PRODUCT SPECIFICATIONS

Doc. No. CO03D-PD01

**X-SENSE**<sup>®</sup>  
Ultimate Safety Experts



## Carbon Monoxide Alarm

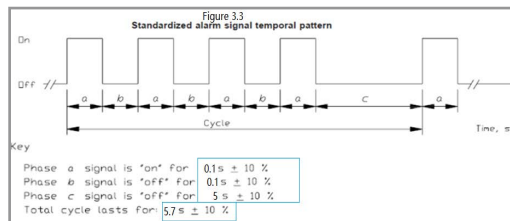
CO03D

### Technical Specifications

<b>Sensor Type</b>	Electrochemical CO sensor
<b>Operating Voltage</b>	4.5 V DC
<b>Battery Type</b>	3 × 1.5 V AA batteries
<b>Standby Current</b>	< 20 uA (The average standby current is less than 20 uA during a 10-minute test.)
<b>Alarm Current</b>	< 50 mA
<b>Audibility Level</b>	> 85 dB @ 1 m
<b>Operating Ambient Temperature</b>	40-100 °F (4.4-37.8 °C)
<b>Operating Relative Humidity</b>	≤ 85% (non-condensing)
<b>Safety Standard</b>	EN 50291
<b>Product Life</b>	10 years

## Working Modes

<b>Power On</b>	After the batteries are installed, the buzzer delivers a "beep" and the LCD screen lights up. The red, green and yellow LED indicators will flash in sequence for 8 times. Then the LCD backlight and LED indicators will turn off and the unit will enter the standby mode.
<b>Standby Mode</b>	The green LED indicator flashes once every 60 seconds.
<b>Test Button</b>	<ul style="list-style-type: none"> <li>• Test your alarm by holding the TEST/HUSH button until the unit beeps once and the red LED flashes once, then release the test button.</li> <li>• Once the alarm is in the test mode, the blue backlight will be lit, and the alarm will deliver 2 sets of 4 beeps, finally sounding 1 beep. The red LED indicator will flash 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>Silence Function</b>	<ul style="list-style-type: none"> <li>• If you press the TEST/HUSH button during an alarm state, the alarm will enter the 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 green LED indicator will continuously flash 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: 3.45-3.55 V DC</li> <li>• The yellow LED indicator flashes 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 yellow LED indicator flashes twice every 30 seconds. If you press the Test/Hush 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 buzzer issues 2 quick beeps every 40 seconds and the yellow LED indicator flashes 1 to 4 times every 40 seconds.
<b>Alarm Mode</b>	4 beeps every 5.8 seconds. After 4 minutes, 4 beeps per minute. The red LED indicator flashes with the alarm sound.



## CO Sensitivity

CO Concentration Sensitivity	CO Concentration	LCD Reading Range	Alarm Response Time
	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