

PRODUCT SPECIFICATIONS

Doc. No. XP01

X-SENSE® Pro



135 mm (5.3 in)



44 mm (1.7 in)



Combination Smoke and Carbon Monoxide Alarm XP01

Technical Specifications



Safety Standards	EN 14604:2005, EN 50291-1:2018
Sensor Type	Photoelectric smoke sensor and electrochemical CO sensor
Operating Life	10 years
Power Source	3 V CR17450 lithium battery (non-replaceable)
Alarm Sound Level	≥ 85 dB at 3 m (10 ft)
Operating Temperature	4-38°C (40-100°F)
Operating Relative Humidity	10%-85% RH (non-condensing)
Silence Duration	≤ 9 minutes
Indicator Light	LED (red/yellow/green)
Product Weight	200 g (0.44 lb)
Product Dimensions	135 × 135 × 44 mm (5.3 × 5.3 × 1.7 in)
Package Contents	1 × Alarm Unit + 1 × Mounting Bracket + 3 × Screws + 3 × Anchor Plugs + 1 × User Manual

Working Modes

Powering On	After the unit is fully mounted into the mounting bracket, it will automatically turn on. The LED indicator will blink 8 cycles (yellow/green/red) in sequence. Afterwards, the LED indicator will turn off, and the unit will enter the standby mode.
Standby Mode	The LED indicator will flash green once every 60 seconds.
Alarm Mode	<ul style="list-style-type: none"> • Smoke alarm: 3 long beeps every 4 seconds. The LED indicator will flash red with the alarm sound. • CO alarm: 4 quick beeps every 6 seconds. The LED indicator will flash red with the alarm sound.
Exiting an Alarm	When the smoke or CO concentration drops below the alarm threshold, the alarm signal stops, the LED indicator will continuously flash green once per second for 5 seconds and then enter the standby mode.
Test Button	<ul style="list-style-type: none"> • Action: Press the test/silence button. • Indication: The alarm will emit 2 sets of 3 long beeps followed by 2 sets of 4 quick beeps. The LED will flash red during the audible signal.
Silence Function	<ul style="list-style-type: none"> • The silence mode silences the audible alarm only. The LED flashing will not be suppressed. After 9 minutes, the device will exit the silence mode. • Silence function of smoke alarm If you press the test/silence button during a smoke alarm, the alarm will be terminated. If the smoke density still exceeds the alarm threshold, the unit will deliver an alarm within 9 minutes. • Silence function of CO alarm If you press the test/silence button during a CO alarm, the alarm will be terminated. If the CO density still exceeds the alarm threshold, the unit will deliver an alarm within 6 minutes.
Low Battery Warning	The LED indicator will flash yellow together with 1 beep every 60 seconds.
Malfunction Warning	The alarm will deliver 2 beeps and the LED indicator will flash yellow 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 LED indicator will flash yellow 3 times every 60 seconds. This end-of-life signal can be temporarily silenced for 22 hours by pressing the test 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 smoke and carbon monoxide alarm is programmed to sound an alarm at the following CO concentrations within the time periods listed:

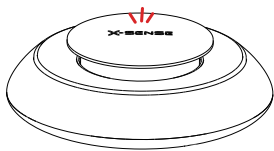
CO Concentration Sensitivity	CO Concentration	Alarm Response Time
	30 PPM	> 120 minutes
	50 PPM	60–90 minutes
	100 PPM	10–40 minutes
	300 PPM	< 3 minutes

CO Concentration and Symptoms

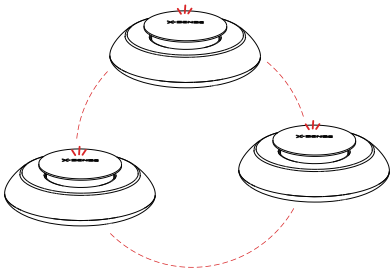
The table below shows the effects of different levels of CO poisoning on the body:

Parts per Million (PPM)	Effects on Adults
100	Slight headache, nausea, fatigue (flu-like symptoms).
200	Dizziness and headache within 2-3 hours.
400	Nausea, frontal headache, drowsiness, confusion and rapid heart rate. Risk to life after over 3 hours of exposure.
800	Severe headaches, convulsions, vital organ failures. Death possible within 2-3 hours.

Available Options in Series



XP01 Combination Smoke and Carbon Monoxide Alarm



XP01-W Wireless Interlinked Combination Smoke and Carbon Monoxide Alarm
(868 MHz)