

Carbon Monoxide Alarm

EiA207iW



- ✓ UL2034 and CSA6.19 Certified
- ✓ Proven electrochemical sensor (10 year sensor life)
- ✓ AudioLINK Diagnostics
- ✓ Unique plug-in Radio Module design
- ✓ Large EZ-Press™ Test/Hush button
- ✓ Automatic low battery status indication
- ✓ Automatic sensor fault indicator
- ✓ Built-in sounder – 85dBA at 3 meters
- ✓ End of life indication
- ✓ Power, alarm and fault indicator lights
- ✓ Memory feature indicates if CO has been previously detected
- ✓ Easy to install, twist-on base design
- ✓ 5 year Warranty

Product Description

The EiA207 series of Carbon Monoxide (CO) alarms has a high performance, proven electrochemical sensor to detect the presence of CO. Each sensor is individually calibrated & tested in CO gas to ensure accuracy.

A unique external 8 pin header design enables simple, plug-in interface with a custom range (frequency and/or protocol) of OEM radio modules.

The memory feature records the last CO alarm level and can be useful to check if CO has been present while the home owner or tenant was away from the property.

EiA207 devices are specifically designed for simple & intuitive, time-saving installation, commissioning and maintenance. All necessary mounting hardware is included.

The large, ergonomically located Test/Hush button enables full testing of the alarm. All aspects of the alarm (sensor, electronics, battery and sounder) can be tested with the press of a button.

Operation

- When toxic levels of Carbon Monoxide are detected, the alarm will sound and the red alarm LED will flash as detailed below:

CO Level	Red Led	Horn
< 70 ppm	Off	Off
> 70 ppm	1 flash every 3 sec	On within 60-240mins
> 150 ppm	2 flash every 3 sec	On within 10-50mins
> 400 ppm	3 flash every 3 sec	On within 4-15mins

- The built-in sounder will provide a minimum sound output of 85dB at 3 meters when CO is detected.
- The device will automatically cease to alarm when the carbon monoxide gas clears.
- An 'End-of-Life' sensor fault or low battery condition will be indicated by visual and audible alarms.
- Pressing and holding the Test/Hush button will perform a complete device test as well as sounding the horn to verify functionality.

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Ei Electronics new AudioLINK feature is a means of extracting event data from the alarm to a specially design Smart Phone App. The phone application is specifically design to interpret the sound and convert it into meaningful event driven data.

Technical Specification

Sensor:	Proven electrochemical sensing technology. 100% calibrated and tested with carbon monoxide gas to ensure accuracy. CO level is checked every 4 seconds.
Radio Intergration:	Plug-in; 8 Pin header
Integrated head removal tamper switch:	When the sensor head is removed a signal can be sent to the panel via the RF module
Test/Hush button operation:	<ul style="list-style-type: none"> • Pressing and holding the Test/Hush button will initiate a test of the sensor, electronics, battery and sounder • Briefly pressing the Test/Hush button will 'Hush' (silence) the sounding alarm • As a safety feature, the 'Hush' function will automatically be disabled if the level of carbon monoxide gas detected is greater than 150ppm
Batteries:	(2) AAA Batteries
LED indications:	<ul style="list-style-type: none"> • Power-up & Test: Green LED lights • Alarm: Red LED lights • Fault: Amber LED lights • Test / Diagnostic: Red, Amber & Green LED's light
End-of-Life Indicator:	The CO Alarm includes an 'end-of-life' indicator which will notify the user when the device has reached the end of its 10 year operational life and needs to be replaced
Alarm:	Bult-in piezoelectric-horn
Alarm Sound Output:	85dBA at 3m
AudioLink Diagnostic Feature:	Reports device age, alarm events, sensor status, battery status, recorded CO events, button tests and head removals via smart phone app.
Humidity Range:	15% to 95% non-condensing
Dimensions:	120 mm x 105 mm x 45 mm /4.72" x 4.13" x 1.77"
Weight:	180 grams / 6.35 ounces
Approvals:	UL 2034 & CSA6.19 approved. Manufactured to ISO 9001:2000 quality standards.
Warranty:	5 year (limited) warranty

*Specifications are subject to change

Ordering information	Product	Short Description
	EiA207iW-1X US	CO Alarm with onboard diagnostics
	EiA207iDW-0A US	CO Alarm with display and onboard diagnostics