ESL 240-COe
Carbon Monoxide Alarm

Overview

The ESL 240-COe Alarm is the only industrial-grade Carbon Monoxide (CO) alarm specifically developed for use in a monitored home security system. The unit is designed to the same standards as CO sensing systems used to protect workers in industrial plants and hospitals. The ESL 240-COe alarm's high reliability makes it an ideal solution for both residential and commercial life safety systems.

The device has a low, 8mA current draw, virtually eliminating the need for an additional power supply. Its contoured design and small size allow it to blend well with many residential and commercial environments.

The ESL 240-COe alarm operates on a unique industrial-grade electrochemical sensor that continuously monitors for CO and is unaffected by temperature variations. It self-adjusts for temperature to operate accurately in most weather conditions and also adjusts its sensitivity throughout its life to operate continually at peak performance. The sensor communicates with a sophisticated on-board microprocessor that accurately calculates CO levels and exposure time. When compared to other popular CO-sensing technologies, the ESL 240-COe alarm's electrochemical technology offers better response time, quicker reset time, and superior false alarm immunity.

The ESL 240-COe alarm meets UL 2075 and has been evaluated to the CO alarm sensitivity limits of UL2034, which allows for installation in a wide variety of applications.

Standard Features

- *End of Sensor Life indicator warns when alarm replacement is needed*
- *TEST/HUSH button makes testing and silencing the alarm simple*
- *85dBa temporal 4-sounder provides distinctive alarm notification*
- *Low 8mA current draw eliminates need for additional power supplies*
- *Exclusive industrial-grade electrochemical technology increases reliability*
- *Attractive design blends in with any environment*

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Architectural and Engineering Specifications

The carbon monoxide alarm has an ESL 240-COe Series Alarm with 85dB temporal-4 sounder. The carbon monoxide alarm is listed per UL2075. Each alarm has a draw of 8mA in standby mode and 60mA in alarm. The alarms are able to be installed in a loop.

The alarm has a TEST/HUSH dual function button that allows the user to test and silence the alarm. Pressing the TEST/HUSH button silences the alarm when CO is detected; the alarm continues to monitor CO levels; and the sounder resumes in 5 minutes if CO is still present. Pressing the TEST/HUSH button also silences the alarm for 9 hours if the alarm is in trouble mode. When silenced in trouble mode, the alarm does not reliably monitor CO levels.

The alarm has an end-of-sensor-life status indicator that alerts the user that it is time to replace the alarm. The LED flashes green every 1-2 seconds and the sounder chirps every 5 minutes. Pressing the TEST/HUSH button silences the indicator. The indicator reactivates in 36 hours if the alarm is not replaced. When silenced in end of life status, the alarm does not reliably monitor CO levels.
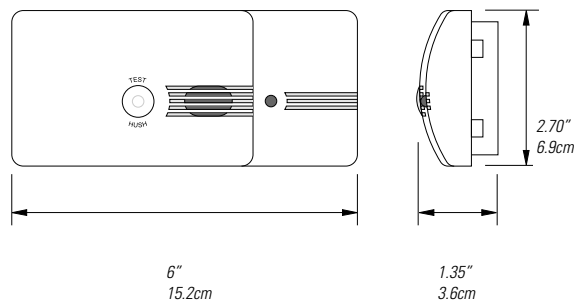
The alarm performs self-diagnostic and self-test every 2.5 minutes to ensure proper operation. The alarm also adjusts its sensitivity to operate continually at peak performance.

See installation manual for complete information on installation and maintenance. The 240-COe is designed for mounting on a flat wall or ceiling surface.

Specifications

Voltage	12VDC
	supplied by a UL Listed control panel
Current consumption	
Normal	8mA
Alarm	75mA max
Relay contact	50mA @ 12VDC
Electrical configuration	NO, NC
CO alarm level	70ppm or higher (60-240 min)
Operating temperature	40°F-100°F (4.4°C-38°C)
Relative humidity	15-90% non-condensing
Altitude	≤6,000ft
Sounder	85dB
Dimensions	2.7 W x 6.0 L x 1.35" D
	(6.9 x 15.2 x 3.6cm)
Weight	4oz (114g)
Color	White
Listings	

Dimensions

6" 15.2cm	1.35" 3.6cm

2.70"
6.9cm

Ordering Information

Model	Description
240-COe	ESL 240-COe carbon monoxide (CO) alarm, Form C, 12VDC, end-of-sensor-life indicator, 85dB, UL2075

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GE Interlogix