

DESCRIPTION

The GEMC-WL-CO is a high-quality wireless carbon monoxide detector with built-in supervised digitally coded radio transmitter. It is suitable for residences, motels, hotels and commercial or industrial system applications. The detector is compatible with Napco's GEMC Commercial Grade Wireless Receivers (GEMC-RECV) that monitor alarms, restores, low battery, tamper and status. The GEMC-WL-CO is also UL Listed for Residential applications using the GEM-RECV series Wireless Receivers.

During normal operation, when detector is in standby mode and is within proper sensitivity limits, its green LED flashes once every 10 seconds. When CO is detected, the GEMC-WL-CO sounds a local alarm and the transmitter sends an alarm signal to the supervised receiver. The signal is repeated as long as CO is present. A restore report is sent when the CO detection chamber clears. Supervision status reports are sent from the GEMC-WL-CO every minute (allowing for 200 second Commercial and 4 hour Residential supervision). See the GEMC Control Panel Installation Instructions (WI1653 Volume 1) and the GEMC-WL-CO Installation Instructions (WI2118) for mounting, placement and other information. For control panel compatibility and panel upgrade information, see WI2150.

FEATURES:

- 5½-inch diameter and approximately 2-inch profile
- Uses one 3V Lithium Battery (supplied) that can power the unit for at least one year
- Powerful 85db alarm sounder generates the ANSI S3.41 temporal 4 pattern when in alarm
- Integral supervised digitally-coded radio transmitter; no coding switches (each transmitter is assigned a unique identification code number at the factory)
- Solid state electronics; will not leak or dry up; not subject to orientation issues
- Smart microprocessor optimizes life safety and detection accuracy
- Active self test and LED Status Indicators
- Mountable on wall or ceiling (includes hardware)
Note: Mounting on foil-backed wallpaper is NOT recommended because the radio range will be reduced.
- Connect to a GEMC-RECV Wireless Receiver zone and/or NAC circuit designated for CO alarm use only
- UL2075 Listed; tested to meet UL 2034 CO response requirements

GEMC-WL-CO

Supervised Wireless Carbon Monoxide Detector



APPROVALS

UL Listed to the Category *Gas and Vapor Detectors and Sensors (FTAM) UL Standard 2075.*
CO sensitivity is evaluated to UL 2034.

- Contains an electrochemical carbon monoxide sensor assembly coupled with a wireless transmitter that can send alarm, trouble, end-of-life (about 6 years after manufacture), tamper and low battery condition messages to the alarm control panel

IMPORTANT: This detector must be tested and maintained regularly following NFPA 720 requirements

LOW BATTERY DETECTION

The detector checks for a low battery at least every 60 seconds and transmitted to the receiver with the normal check-in. If a low battery is detected, the transmitter sends a low battery message to the control panel, which beeps and displays the detector's zone number. After 7 days, the detector's horn will "chirp" about every 45 seconds for up to 30 days. Pressing the **TEST** button during this time will silence the chirps for 12 hours, if no other trouble conditions exist. We strongly recommend that the battery be replaced **BEFORE** the chirps begin. **Note:** The NAPCO GEMC control panel radio RF supervision is 200 seconds.

SPECIFICATIONS

Electrical Ratings

Input Power

Powered by a 3-volt lithium battery; use Duracell DL123A, Varta CR123A, Panasonic CR123A or Sanyo CR123A. See "**LOW BATTERY DETECTION**", below.

Operating Frequency

319.5MHz

RF Range

Up to 500 feet depending on installation environment.

Dimensions (W×L×D)

5 $\frac{3}{8}$ " x 5 $\frac{3}{8}$ " x 2 $\frac{1}{8}$ " (13.7 x 13.7 x 5.4cm)

Operating Environment

Temperature

32°F to 122°F (0°C to 49°C)

Relative Humidity

15% - 95% RH

Regulatory Information

Manufacturer

Napco Security Technologies, Inc., 333 Bayview Avenue, Amityville, NY 11701

UL Rating

This detector has been evaluated to the CO detector sensitivity limits of UL 2075 / UL 2034.

Environmental Class

Indoor, in accordance with the Operating Environment specifications (see above).

CO LEVELS AND TIME TO ALARM

CO Concentration	Min. Time to Alarm	Max. Time to Alarm
30 ppm +/- 5 ppm	30 days	Indefinite**
70 ppm +/- 5 ppm	60 minutes	240 minutes
150 ppm +/- 5 ppm	10 minutes	50 minutes
400 ppm +/- 5 ppm	4 minutes	15 minutes

