DeNova Detect®
Smarter Gas Leak Safety

2-in-1 Natural Gas + Carbon Monoxide Alarm

Model DD623NCV

Safety Focused: DeNova Detect provides the only 10-year battery-powered gas alarms that conform to UL 1484 and UL 2034 standards.

MEMS Sensor Technology: Detects natural gas (methane) with greater precision and speed than traditional alarms, offering faster alerts when every second counts.

Electrochemical Sensor Technology: Detects carbon monoxide (CO), meeting strict UL 2034 requirements for carbon monoxide monitoring.

10-Year Battery: No replacement batteries or electricity required, providing maintenance-free peace of mind.

Self-Test Diagnostics: Internal systems continuously monitor functionality and will alert you if there's a fault.

Virtually No False Alarms: Not susceptible to nuisance alarms caused by common household chemicals like hairspray or cleaners.

Intertek 5012777
Conforms to UL STD 1484 and UL STD 2034
Model DD623NCV
MADE IN JAPAN

Intertek 5029001
Conforms to UL STD 1484 and UL STD 2034
Model DD623NCV
MADE IN MEXICO

5276-2386:0003

The DeNova Detect DD623NCV is America's first and only 10-year battery-powered combination natural gas and carbon monoxide alarm. Designed for fast, reliable detection and equipped with a powerful speaker and LED system. With its 10% LEL alarm threshold, it helps safeguard lives by giving users more time to respond in emergencies.

This innovative alarm features MEMS hot-wire semiconductor technology for natural gas detection that is validated to detect explosive levels of gas faster than conventional plug-in alarms. In combination with an electrochemical CO sensor, this dual-sensor unit meets strict UL standards for accurate natural gas and CO monitoring.

Unlike traditional units, the DeNova Detect DD623NCV doesn't require an outlet or battery replacements. It also eliminates false alarms from everyday household chemicals, making it ideal for families, landlords, and utility partners.

The alarm speaks directly to the user with voice alerts in both English and Spanish, giving life-saving instructions like "Danger, gas leak explosion risk. Evacuate, then call 9-1-1" during a gas leak or "Danger! Carbon Monoxide Detected!" in the event of CO exposure.

Features & Benefits

Dual-Sensor Protection	Detects both methane and CO for comprehensive home safety.
10% LEL Gas Sensitivity	Responds faster than alarms with 25% LEL thresholds – offering up to 11 minutes more escape time.
Advanced MEMS Sensor	Higher sensitivity and faster detection of natural gas with reduced risk of false positives.
No Plug Required	Wall- or pipe-mounted installation; no outlet or extension cord needed.
85 dB Alarm Volume	Loud enough to ensure critical gas warnings are heard clearly in the vicinity.
Self-Diagnostics	Constant performance checks ensure reliable operation throughout its service life.

Alarm Warnings

Hazard	Alert Type
Natural Gas Leak	*2 Beeps.* Voice: "Danger Gas leak explosion risk! Evacuate, then call 9-1-1." Red Natural Gas LED Flashing
Carbon Monoxide	*4 Beeps.* Voice: "Danger! ! Carbon Monoxide Detected!" Red Carbon Monoxide LED Flashing
Low Battery	*1 Beep.* Voice: "Low Battery." Yellow Trouble LED Flashing
End-of-Service Life	*2 Beeps.* Voice: "Please replace detector." Yellow Trouble LED Flashing
System Error	*3 Beeps.* Voice: "Detector error." Yellow Trouble LED Flashing

Installation

Mounts easily to any wall using the included screw or can be secured to a pipe with cable ties. For best performance and NFPA 715 compliance, install within 12 inches of the ceiling. No wiring or outlet access is required.

More at: https://denovadetect.com/products/10-year-100-battery-powered-carbon-monoxide-natural-gas-alarm

Technical Specifications

Dimensions	3.8" W x 3.8" H x 1.6" D
Power Supply	3V Lithium battery
Operating Temperature	32°F to 122°F (0°C to 50°C)
Humidity Range	5% - 95% RH, non-condensing
Alarm Sound Output	85 dB @ 10 ft Alarm Volume
Mounting	Wall or pipe mount
Detection Gases	Natural Gas (Methane) & Carbon Monoxide
Sensor Types	Natural Gas: MEMS hot-wire semiconductor Carbon Monoxide: Electrochemical
Alarm Levels	CO: 70ppm (60–240 min), 150ppm (10–50 min), 400ppm (4–15 min) Natural Gas: 10% LEL (Low Explosion Limit)*

* LEL, short for "Lower Explosive Limit; is defined as the lowest concentration (by percentage) of a gas or vapor in air that is capable of producing a flash of fire in the presence of an ignition source (arc, flame, heat).

Certifications & Conforming Standards

• ETL Listed to UL STD 1484 (Natural Gas) & UL STD 2034 (Carbon Monoxide)

• UL Listed to UL STD 2075 (Carbon Monoxide & Methane Sensors)

• California State Fire Marshal Certified (5276-2386:0003)

These certifications validate performance, safety, and reliability, meeting national safety standards for residential gas and CO protection.

Architectural & Engineering Specifications

The combination natural gas and carbon monoxide alarm shall be a DeNova Detect Model DD623NCV or equivalent, listed to UL 2034 & UL 1484. It shall operate on a 3V lithium battery with a 10-year service life, include dual sensors (Methane and Carbon Monoxide), produce a minimum 85dB at 10 ft audible alert, and feature voice notifications in English and Spanish. The unit shall be wall or pipe mounted and suitable for use in residential, and rentals. The device shall include self-diagnostics, LED alerts, and comply with NFPA 715 recommendations for natural gas alarm installation.

DeNova Detect®
Smarter Gas Leak Safety

65 YEARS
Helping to eliminate gas accidents around the world.

www.denovadetect.com

Contact us to learn more at support@denovadetect.com