

Powered by

10 Year Battery

Included

DeNova Detect®  
Smarter Gas Leak Safety



# Natural Gas Alarm

Model DD620NV

**Safety Focused:** DeNova Detect provides the only 10-year battery-powered natural gas alarms that conform to UL 1484, with gas sensors that meet UL 2075 standards.

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

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

**Voice Alerts in English & Spanish:** Clearly articulate warnings of natural gas leak AND communicate instructions.

**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.

The DeNova Detect DD620NV is America's first and only 10-year battery-powered natural gas alarm. Designed for fast, reliable detection and equipped with a powerful speaker and LED system, 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. This sensor unit meets strict UL standards for accurate natural gas monitoring.

Unlike traditional units, the DeNova Detect DD620NV 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.

## Features & Benefits

- Sensor Protection** Detects methane 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.
- Single-Cell Battery Upgrade** Maintains the same 10-year battery and natural gas alarm service life, while reducing lithium content by 50%, lowering environmental impact.

## 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
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-battery-powered-natural-gas-alarm>

## Technical Specifications

<b>Dimensions</b>	3.8" W x 3.8" H x 1.6" D
<b>Power Supply</b>	3V Lithium battery
<b>Operating Temperature</b>	32°F to 122°F (0°C to 50°C)
<b>Humidity Range</b>	5% - 95% RH, non-condensing
<b>Alarm Sound Output</b>	85 dB @ 10 ft Alarm Volume
<b>Mounting</b>	Wall or pipe mount
<b>Detection Gases</b>	Natural Gas (Methane)
<b>Sensor Types</b>	MEMS hot-wire semiconductor
<b>Alarm Levels</b>	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 Listed to UL STD 2075 (Methane Sensor)
- California State Fire Marshal Certified (5275-2386:0002)

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

## Architectural & Engineering Specifications

The natural gas alarm shall be a DeNova Detect Model DD620NV or equivalent, listed to UL 1484, with a gas sensor that meets UL 2075 standards. It shall operate on a 3V lithium battery with a 10-year service life, include a MEMS sensor (Methane), 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.