10 Year Battery

Included











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 batteries 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 plugin 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.

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

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)
Sensor Types	MEMS hot-wire semiconductor
Alarm Levels	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.





www.denovadetect.com

Contact us to learn more at support@denovadetect.com