



Intertek
5029001
Conforms to UL STD 1484
and UL STD 2075

Propane Gas Alarm

Model DD720PV

Safety Focused: DeNova Detect provides the first and only 5-year battery-powered propane gas alarm in the U.S.

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

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

Self-Test Diagnostics: Internal systems continuously monitor function 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 DD720PV is America's first and only 5-year battery-powered propane 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 propane gas detection that is validated to detect explosive levels of gas faster than conventional plug-in alarms. This unit meets strict UL standards for accurate propane gas monitoring.

Unlike traditional units, the DeNova Detect DD720PV 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 propane gas 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 propane gas with reduced risk of false positives.
No Plug Required	Wall-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
Propane Gas Leak	2 Beeps. Voice: "Danger! Gas leak explosion risk! Evacuate, then call 9-1-1." Red Propane 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. For best performance and NFPA 715 compliance, install completely within 18 inches from the floor, in an area that will not become obstructed by any objects. No wiring or outlet access is required.

More at: <https://denovadetect.com/products/5-year-battery-powered-propane-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, no condensation
Alarm Sound Output	85 dB @ 10 ft Alarm Volume
Mounting	Wall mount
Detection Gases	Propane Gas
Sensor Types	MEMS hot-wire semiconductor
Alarm Levels	PG: 10% LEL (Lower Explosive 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

- Listed to UL STD 1484
- Propane Sensor listed to UL STD 2075

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

Architectural & Engineering Specifications

The propane alarm shall be a DeNova Detect Model DD720PV or equivalent, listed to UL 1484. It shall operate on a 3V lithium battery with a 5-year service life, include a gas sensor that meets UL 2075 standards, produce a minimum 85dB at 10 ft audible alert, and feature voice notifications in English and Spanish. The unit shall be wall mounted and suitable for use in residential, and rentals. The device shall include self-diagnostics, LED alerts, and comply with NFPA 715 recommendations for propane gas alarm installation.



www.denovadetect.com

Contact us to learn more at support@denovadetect.com

