

DeNova Detect 7-Year Battery-Powered Natural Gas Alarm (LoRaWAN)

807NLR (Compatible with LoRaWAN Network)

- **10% LEL gas alarm threshold** alerts you to emergencies much sooner with 11 minutes more alert time on average than a 25% LEL gas alarm threshold, validated by Fire & Risk Alliance
- **1% LEL interval alarm payload data** to get more real time information on a gas leak
- **Virtually eliminates nuisance alarms** caused by harsh household chemicals, such as laundry detergent, disinfectant spray, aerosol hairspray, furniture polish, among others, validated by GTI testing
- **Micro-Electro Mechanical System (MEMS) sensor technology** provides accurate and faster detection of Methane gas than traditional type sensors

* Remote self-diagnostics * No calibration needed

- **7-year battery and product service life**
- **Battery-Powered device** enables installation close to ceiling (where natural gas is more accurately detected, as natural gas is lighter than air and rises towards the ceiling) without the need for a cosmetically displeasing cord
- Operates in temperatures ranging from **32°F to 122°F** and a **humidity range of 5% to 95% RH**, non-condensing
- Voice alert in **both English and Spanish**

Integrated wireless communication module enables robust, reliable and secure remote monitoring

- **Incorporated Semtech's LoRa radio, the SX1262, for remote monitoring**
- **Sub-GHz module** provides superior range performance
- **Proven wireless technology** ensures reliable and secure communications without geographical limitations

DeNova Detect Natural Gas Alarms seamlessly integrate with the LoRaWAN network and Advanced Metering Infrastructure (AMI). We also offer non-wireless units.

Our 10-year Battery-Powered Natural Gas alarm is coming soon. Contact us to learn more at support@newcosmosusa.com.



Specifications

Model Number	807NLR
Conforming standards	Compliant with UL 1484, MEMS sensor listed with UL 2075
Detection principle	MEMS hot-wire semiconductor sensor
Target gas	Methane (Natural Gas)
Operating temperature range	32°F (0°C) to 122°F (50°C)
Operating humidity range	5% to 95%, no condensation
Power supply	3V Lithium battery
Alarm level	10% LEL*
Speaker output	Gas alarm: 85 dB @ 10 ft
Battery lifetime	Approximately 7 years
Dimensions	W 85mm x H 115mm x D 28mm
Installation	Pipe mount by cable ties or wall mount with hardware

* 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 presence of an ignition source (arc, flame, heat).