

DeNova Detect 6-Year Battery-Powered Natural Gas Alarm (LoRaWAN)

806NLR Compatible with LoRaWAN Network

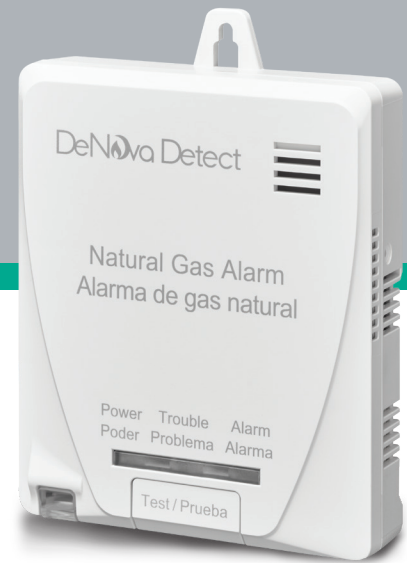
- **10% LEL gas alarm threshold** alerts you to emergencies much sooner with 11 minutes more alert time on average than a 25% LEL gas alarm threshold, validated by Fire & Risk Alliance
- **1% LEL interval alarm payload data** to get more real time information on a gas leak
- **Virtually eliminates nuisance 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. Includes internal self-diagnostics. No calibration needed
- **6-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 alerts** to announce warnings
- **UL 1484** Standard compliant

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 also offers Natural Gas Alarms that seamlessly integrate with the LoRaWAN network and Itron Advanced Metering Infrastructure (AMI).

Contact us to learn more at info@denovadetect.com



Specifications

Model Number	806LR
Conforming standards	FCC Compliant Alarm Compliant with UL 1484 Sensor Listed to UL 2075
Detection principle	MEMS hot-wire semi-conductor sensor
Target gas	Natural Gas (Methane)
Operating temp. 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 6 years
Dimensions	W 85mm x H 100mm x D 22mm
Installation	Pipe mount by cable ties or wall mount with included 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).

DeNova Detect®
by New Cosmos USA

www.denovadetect.com