

# DeNova Detect 10-Year Battery-Powered Natural Gas Alarm (Itron)



## 810NIT Compatible with Itron Gen 5 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** provides accurate and faster Methane gas detection than other sensors. Includes internal self-diagnostics. No calibration needed
- **10-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 temperature ranges from **32°F to 122°F** and a **humidity range of 5% to 95% RH**, non-condensing
- **Voice alert** in English and Spanish
- **UL 1484** Standard compliant

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

- **Communication architecture** compatible with Itron network
- **Sub-GHz module** provides superior range performance
- **Proven wireless technology** ensures reliable communications
- **Multi-layer encryption and security**

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

Our 10-year Battery-Powered Natural Gas Alarm is coming soon.

Contact us to learn more at [support@newcosmosusa.com](mailto:support@newcosmosusa.com)

### Specifications

Model Number	810NIT
Conforming standards	FCC Certified Alarm Compliant with UL STD 1484 Sensor Listed to UL STD 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 10 years
Dimensions	W 3.35in x H 4.53in x D 1.10in
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](http://www.denovadetect.com)