

DeNova Detect[®]

10-Year Battery Powered Natural Gas Alarm (LoRaWAN)

810NLR (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*

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

Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.



Specifications

Model Number	810NLR
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 to 122°F (0 to 50°C)
Operating Humidity Range	5% to 95% RH, non-condensing
Power Supply	3V Lithium battery
Alarm Level	10% LEL
Speaker Output	Gas alarm: 85 dB @ 10 ft
Battery Lifetime	Approximately 10 years
Dimensions W x H x D	3.4in x 4.5in x 1.1in (85mm x 115mm x 28mm)
Installation	Pipe mount by cable ties or wall mount with included hardware



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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 technology provides accurate and faster detection of Methane gas than traditional type sensors
 - * Remote 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
- Voice alerts 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 Natural Gas Alarms seamlessly integrate with the wireless LoRaWAN network and Itron Advanced Metering Infrastructure (AMI). We also offer non-wireless alarms.

Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.



Specifications

Model Number	810NIT
Conforming Standards	FCC certified and 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 to 122°F (0 to 50°C)
Operating Humidity Range	5% to 95% RH, non-condensing
Power Supply	3V Lithium battery
Alarm Level	10% LEL
Speaker Output	Gas alarm: 85 dB @ 10 ft
Battery Lifetime	Approximately 10 years
Dimensions W x H x D	3.4in x 4.5in x 1.1in (85mm x 115mm x 28mm)
Installation	Pipe mount by cable ties or wall mount with included hardware



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Six Year Battery-Powered Natural Gas Alarm

ML-310ES

Revolutionary Sensing Technology Enables Superior Features and Performance

- 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
- 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*

- 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
- Voice alerts to announce warnings
- UL 1484 Standard compliant

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



Specifications

Model Number	ML-310ES
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 to 122°F (0 to 50°C)
Operating Humidity Range	5% to 95% RH, non-condensing
Power Supply	3V Lithium battery
Alarm Level	10% LEL
Speaker Output	Gas alarm: 85 dB @ 10 ft
Battery Lifetime	Approximately 6 years
Dimensions W x H x D	3.5in x 3.94in x 0.87in
Installation	Pipe mount by cable ties or wall mount with included hardware