

DENOVA DETECT BATTERY  
POWERED NATURAL GAS ALARMS  
VS.  
COMPETITOR PLUG-IN ALARMS


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2021

# DENOVA DETECT BATTERY POWERED NATURAL GAS ALARM VS. COMPETITOR PLUG-IN ALARMS




By New Cosmos USA, Inc.


NEW COSMOS USA PRODUCT FEATURES	NEW COSMOS USA BENEFITS	 By New Cosmos USA, Inc.	Competitor X	Competitor Y	Competitor Z
<b>First &amp; Only</b> Battery Powered Residential Natural Gas Alarm available in the US	Battery-powered alarms can be easily mounted at the optimal location for detecting Natural Gas (4"-12" from the ceiling) vs. plug-in units mounted near the floor. Natural Gas is lighter than air and rises to the ceiling	ML-310ES	GCO1CN	KN-COEG-3	MCND401
		<b>YES</b>	NO Plug-In	NO Plug-In	NO Plug-In
First battery-powered alarm with MEMS sensor in the US	Leading sensor technology is most accurate and effective on the market	<b>YES</b>	NO	NO	NO
Nuisance resistant to most household chemicals – Tested by Gas Technology Institute (GTI) Project No. 21696	Virtually eliminates nuisance alarms	<b>YES</b>	NO	NO	NO
Meets or exceeds UL 1484 Standard with <b>10% LEL</b> threshold	Product and features you can trust, providing the ultimate protection from the dangers of Natural Gas leaks	<b>YES</b>	NO (25% LEL)	NO (25% LEL & not listed to UL 1484)	NO (20% LEL)

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NEW COSMOS USA PRODUCT FEATURES	NEW COSMOS USA BENEFITS	 By New Cosmos USA, Inc.	Competitor X	Competitor Y	Competitor Z
<b>6 year battery life</b> with continuous protection	No need to replace batteries annually; always protected in electrical outages	ML-310ES	GCO1CN	KN-COEG-3	MCND401
		<b>YES</b>	NO Back up battery may only last a few hours	NO Back up battery may only last a few hours	NO Back up battery may only last a few hours
<b>New Cosmos has one of the largest R&amp;D and gas sensor manufacturing facilities worldwide</b>	Backed by six decades of global engineering, research and development expertise	<b>YES</b>	NO	NO	NO
<b>10% LEL</b> (Lower Explosion Limit) Alarm Threshold	Quicker gas detection, <b>Avg. 11 minutes of more</b> escape time. Save more lives.	<b>YES</b>	NO (25% LEL)	NO (25% LEL)	NO (20% LEL)

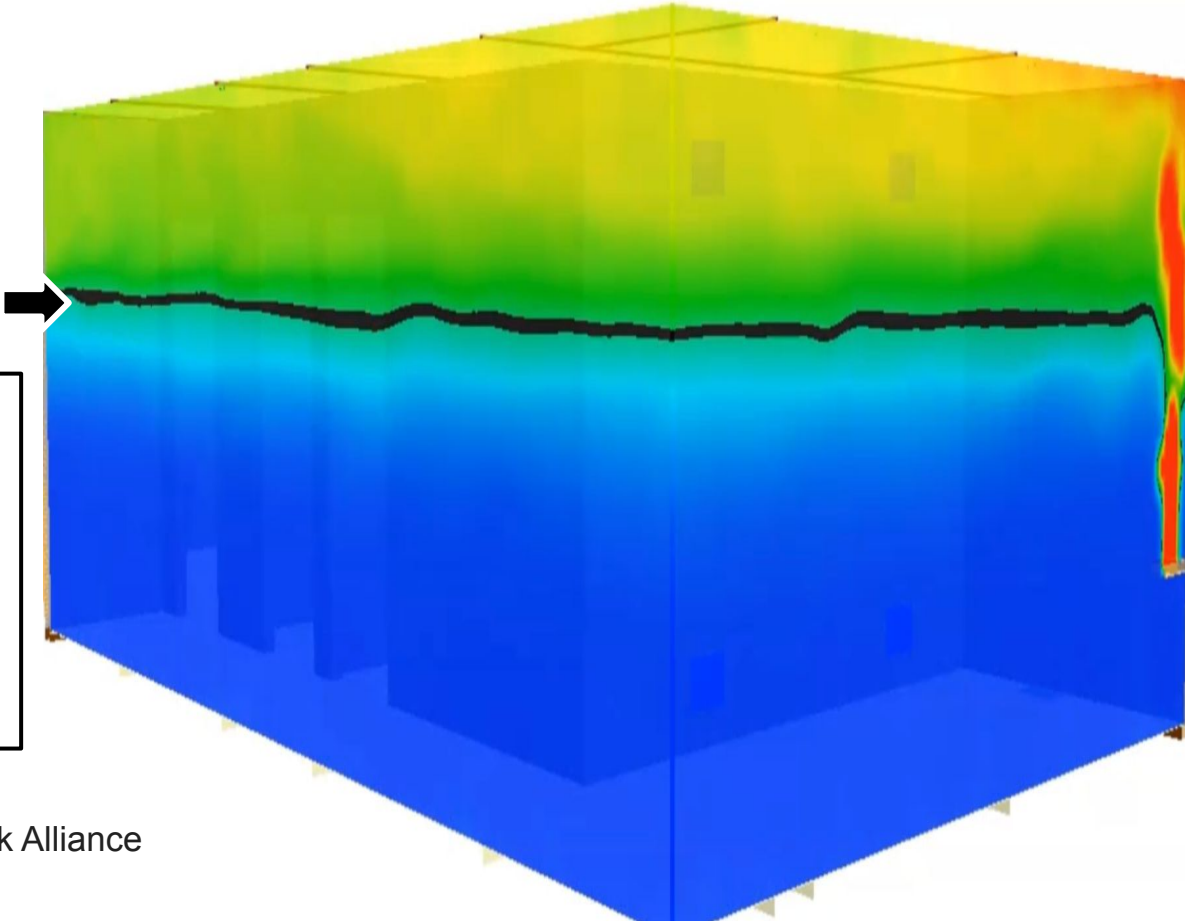
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<b>Dual language voice-alarm</b> (voice warning in English & Spanish)	Alarm sound and verbal notification/warning	ML-310ES	GCO1CN	KN-COEG-3	MCND401
		<b>YES</b>	NO	NO	NO
Designs & Manufactures own Natural Gas sensor	Quality and reliability built into the sensor design. Manufactured in ISO9001 Manufacturing Facility	<b>YES</b>	NO	NO	NO
Sensor <b>Selective to methane only</b>	Product optimized for single-purpose of detecting Natural Gas and virtually eliminates nuisance alarms	<b>YES</b>	NO	NO	NO


# NATURAL GAS LEAK SIMULATION


Simulated  
over 57  
minutes

10% LEL



Color Key:

 Natural Gas Accumulation

 Undetectable levels of natural gas



Denova Detect  
**Battery-Powered**  
alarm installed  
near ceiling  
**10% LEL**



Competitors  
**Plug-In** alarms  
mounted near  
the floor.  
Dangerous  
level of gas  
has not  
reached floor  
level at  
**20-25% LEL**

# TRUE COST OF OWNERSHIP: 1 ALARM PER HOUSE

DeNova Detect™

By New Cosmos USA, Inc.

Save up to \$58 with DeNova Detect Battery Powered alarms compared to competitor Plug-In alarms

Alarm Brand	DeNova Detect By New Cosmos USA, Inc.	Competitor X	Competitor Y	Competitor Z
Model Number	ML-310ES	GCO1	KN-COEG-3	MCND401
Power Type	6 yr. battery	Plug-in with battery back up (Back up battery may only last a few hours)	Plug-in with battery back up (Back up battery may only last a few hours)	Plug-in with battery back up (Back up battery may only last a few hours)
Initial Product cost	\$99.00	\$66.00	\$76.00	\$53.00
Replace 9V Alkaline Battery (\$2.14 each) every year for 6 years	\$0.00	\$13	\$13	\$13
Average Electricity cost for 6 years (Electricity rate @ \$0.1393/kWh)	\$0	\$78 (7.78kWh/month)	\$51 (2.74kWh/month)	\$87 (8.64kWh/month)
<b>True Cost of Ownership</b>	<b>\$99</b>	<b>\$157</b>	<b>\$140</b>	<b>\$153</b>


# TRUE COST OF OWNERSHIP: 3 ALARMS PER HOUSE

DeNova Detect™

By New Cosmos USA, Inc.

NFPA 715 recommends Natural Gas alarm be installed in all locations where there is a Gas appliance.

Save \$123-\$174 on 3 DeNova Detect Battery Powered alarms compared to competitor Plug-In alarms. Pricing varies by state.

Alarm Brand	 By New Cosmos USA, Inc.	Competitor X	Competitor Y	Competitor Z
Model Number	ML-310ES	GCO1	KN-COEG-3	MCND401
Power Type	6 yr. battery	Plug-in w/ battery back up	Plug-in w/ battery back up	Plug-in w/ battery back up
Initial Cost per alarm	\$99	\$66	\$76	\$53
3 Natural Gas Alarms per home	\$297	\$198	\$228	\$159
Replace 9V Alkaline Battery (\$2.14 each) every year for 6 years	0	\$39	\$39	\$39
Average Electricity cost for 6 years (Electricity rate @ \$0.1393/kWh)	0	\$234 (7.78kWh/month)	\$153 (2.74kWh/month)	\$261 (8.64kWh/month)
<b>True Cost of Ownership</b>	<b>\$297</b>	<b>\$471</b>	<b>\$420</b>	<b>\$459</b>

# SAVE TODAY!

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DeNova Detect™

By New Cosmos USA, Inc.

DeNova Detect battery-powered Natural Gas alarms will save you up to **37%** when compared to competitor Plug-In alarms when you calculate the total cost of ownership.



DeNova Detect can  
save you up to

**\$174**

over 6 years

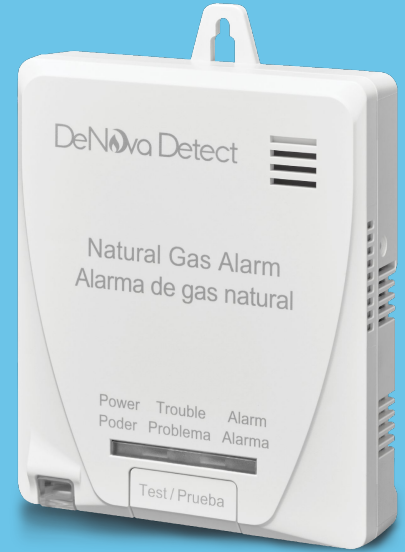
\* Rates vary by state



# DeNova Detect Summary Highlights

The industry leader in Natural Gas sensing technology

- Developed first Natural Gas alarm in the world in 1964
- Partners with some of the largest utility companies globally
- Save 37% more vs. competitor units over product life-term
- 10% LEL equals 11 minutes more escape time
- Virtually eliminates nuisance alarms



Visit us at [www.denovadetect.com](http://www.denovadetect.com)