

AMGaDS **IV**

Amerex Mobile Gas Detection System



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How it works

The AMGADS IV Control Panel identifies wasteful and potentially explosive gas leaks by continuously monitoring signals from gas sensors. If the combustible gas level reaches the 20% LFL (Lower Flammability Limit) the panel will notify the operator by transferring to a trouble condition. If it detects a 50% LFL level, it will notify the operator by going into an alarm condition, activating an audible alarm, and transferring the output relays.



Capabilities

The Amerex Mobile Gas Detection System generation IV (AMGaDS IV) combustible gas monitoring system utilizes advanced technology for detection of hydrocarbon and other combustible gases.

Fuels typically monitored:

- Compressed Natural Gas (CNG)
- Liquefied Natural Gas (LNG)
- Propane (LPG)
- Hydrogen

Gas Detection Applications:

- Transit bus
- School bus
- Waste collection trucks
- Over-the-road delivery trucks
- Paratransit vehicles
- Hotel shuttles
- Airport shuttles
- Taxis
- Automobiles



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SafetyNet System

- Supports combination of gas detection and fire suppression systems
- Additional network modules can be added to expand the number of gas detectors on a single system
- Logs 4000 Events. Events are time and date stamped for troubleshooting and incident investigation

Agency approval standards

- Approved to CE E11 10R-048356
- Approved to ECE/324-10 R4 EMC Standards
- Meets NFPA 52, SAE 2343, J2406
- California Highway Patrol Standards



Gas Sensor



AMGaDS IV Control Panel

The AMGaDS IV control panel indicates system status and alerts the vehicle operator of various gas levels. It is designed to be flush mounted with all wiring exiting the back of the panel. Supports up to 4 gas sensors, and auxiliary input/outputs. LED indicators for system normal, gas concentration alarm, sensor zone, system fault, alarm silence and output status. Manual controls for alarm silence, system reset and system test are provided.

Features

Factory calibrated gas sensors
Up to four detection zones
Audible alarm with silence
All circuits electrically supervised
Easy installation and maintenance

Auxiliary LED dimmer input
Multiple inputs and outputs
Wide detection coverage area
Low power consumption
Rugged compact design



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