

## AGD series addressable gas detectors

An addressable solution for gas leakage detection. AGD series gas detectors are connected to loops of Harezmic series fire alarm control panels and operate on Harezmic Very Intelligent Protocol.

### Features

01. Compatible with TS EN 50194 and TS EN 50291
02. Compatible with intelligent analogue addressable fire alarm control panels Power on, gas alarm and fault LED indicators
03. Control of LEDs and buzzer operations with test button
04. Built-in buzzer
05. 5 year sensor life under normal operating conditions
06. Stable sensitivity and high operating performance
07. Requires 24 V DC external power supply
08. Max. 127 gas detectors per loop
09. Can be included in cause-effect configurations
10. Identified as input devices in cause-effect scenarios of Loop Manager software
11. Relay output feature
12. Microprocessor controlled
13. Aesthetic design
14. Produced by use of surface mount technology



### LPG detectors (butane+propane)

LPG is an explosive hydrocarbon gas consisting of butane and propane. It is heavier than air and sinks to floor in case of leakage. Therefore, an LPG detector must be mounted 15-25 cm above floor and 1-2 m horizontally away from the range of possible gas leakage. The Mavigard LPG detectors respond audibly and visually before the leakage reaches 20% LEL.

### Methane (natural gas) detectors

Methane is an explosive hydrocarbon gas. It is lighter than air and rises to ceiling in case of leakage. Therefore, a natural gas detector must be mounted 5-15 cm below ceiling and 1-2 m horizontally away from the range of possible gas leakage. The Mavigard Natural gas detectors respond audibly and visually before the leakage reaches 20% LEL.

### Carbon monoxide detectors

Carbon monoxide is a toxic and explosive gas with density nearly equal to air. Therefore, a carbon monoxide detector must be mounted 1-1.5 m above floor and 1-2 m horizontally away from the range of possible gas leakage. Carbon monoxide detectors should not be mounted outside buildings, behind or inside cupboards, where air circulation is low, in damp or humid places, above fuel burning appliances and places with low or high temperatures. The Mavigard Carbon monoxide detectors respond audibly and visually when the gas concentration reaches 50 ppm (parts of gas per million parts of air).

GAS DETECTORS	
Product code	Description
AGD-1224L/VIP	Addressable LPG (propane+butane) detector, 24 V DC
AGD-1224M/VIP	Addressable methane (natural gas) detector, 24 V DC
AGD-1224C/VIP	Addressable carbon monoxide detector, 24 V DC

