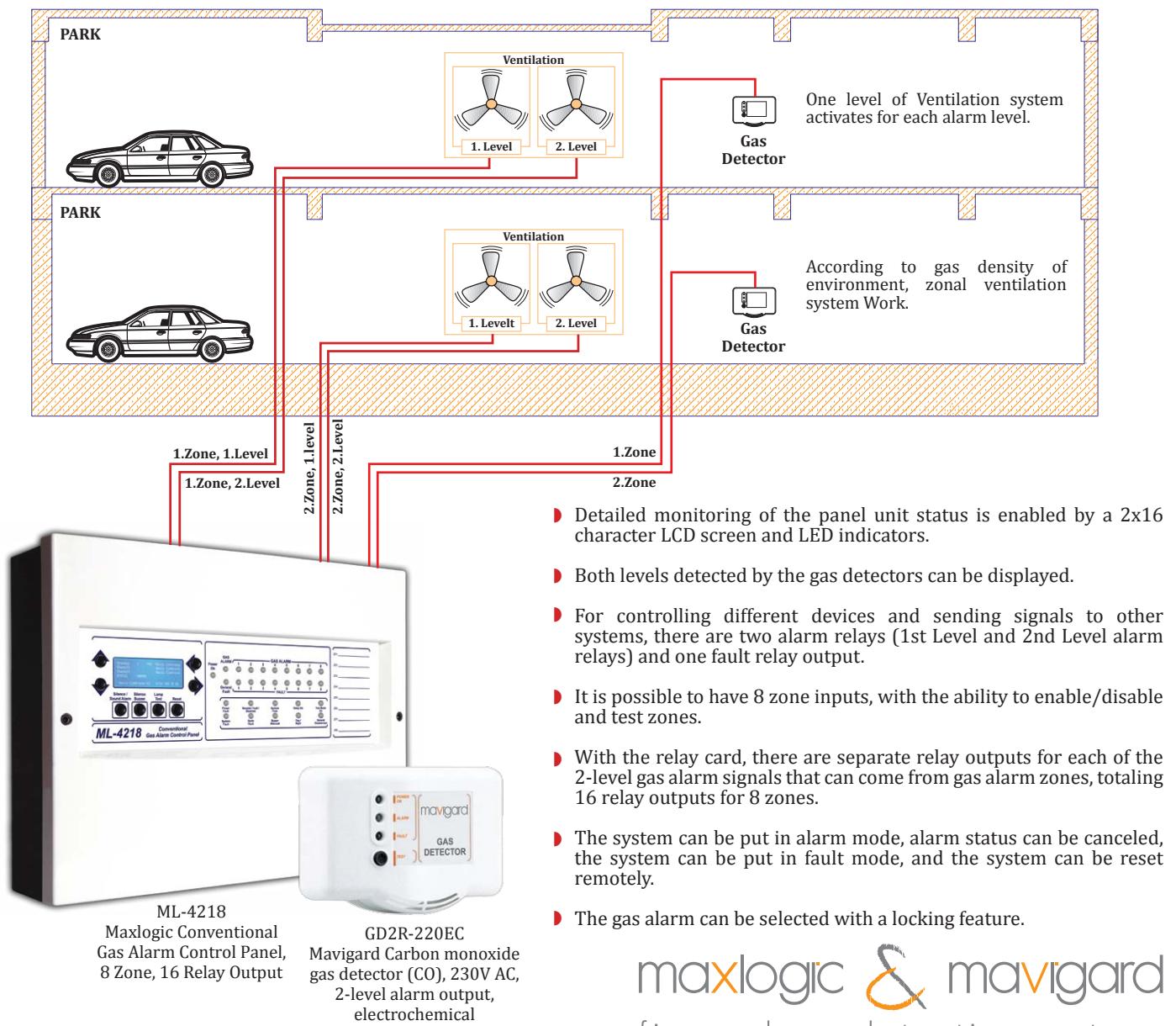


# Right Choice for CO Detection and Automation...

## Conventional Gas Detection and Alarm Systems

It consists of gas alarm control panels and gas detectors that provide both audible and visual alarms, featuring high and stable operational performance, a modern exterior, and surface mount production technology.



# Gas Detectors



GDR-1224L  
Mavigard GD/GDR Series  
Gas Detectors LPG  
(Butane+Propane) Detector,  
12/24V DC with Relay



TGDR-1224M  
Mavigard Gas Detector for Methane  
Detector, 12/24V DC  
with Relay, Ceiling Type



ML-292L  
Maxlogic Gas Detector,  
LPG, 24V DC

- Complies with EN 50194-1 and EN 50291-1 standards
- LED indicators for monitoring normal system operation, detector faults, and gas alarm information
- Direct connection to the network
- Built-in buzzer
- Test button for checking the operation of LEDs and the buzzer
- 5-year lifespan for explosive gas sensors under normal conditions
- Models with relay outputs
- Models that can operate with either 230V AC or 12/24V DC

## LPG and Natural Gas Detectors

LPG (butane + propane) and natural gas (methane) are hydrocarbon derivatives and fall into the category of explosive gases. Detectors provide audible and visual alarms before a gas leak reaches the 10% LEL (Lower Explosive Limit) level.

### TGDR Series Ceiling-Mounted Natural Gas Detectors

Ceiling-type gas detectors have the same external appearance and dimensions as fire detectors. Like fire detectors, a detector socket is required for each gas detector mounted on the ceiling.

## CO Detectors

Carbon monoxide is not only a toxic gas but also a dangerous gas with explosive properties. Carbon monoxide detectors provide audible and visual alarms when the carbon monoxide concentration reaches 50 ppm (parts per million in one million air particles).

### Surface Mount Junction Box

You can use the surface mount junction box with all Maxlogic and Mavigard series single-field control modules and gas detectors.

## GD2R Series Gas detectors



GD2R-220EC  
Mavigard Gas detector  
Carbon monoxide gas detector (CO),  
220V DC, 2-level alarm output,  
electrochemical

Conventional carbon monoxide gas detectors are designed to detect gas leaks in enclosed spaces such as homes, garages, and similar areas. These gas detectors use electrochemical sensors, providing stable sensitivity and superior performance. They feature two-level alarm threshold values.

When the gas level in the environment reaches 50 ppm, it triggers the 1st level alarm, and when it reaches 200 ppm, it activates the 2nd level alarm. When the gas level in the environment falls below 50 ppm, carbon monoxide gas detectors automatically return to the normal state.

### PANEL MODELS

Product Code	Description
ML-4218	Maxlogic Conventional Gas Alarm Control Panel, 8 Zone, 16 Relay Output

### ML SERIES CONVENTIONAL GAS DETECTORS

Product Code	Description
ML-292L	Maxlogic Gas Detector, LPG, 24V DC
ML-292L-R	Maxlogic Gas Detector, LPG, 24V DC, 10A Alarm Relay
ML-292L-RS	Maxlogic Gas Detector, LPG, 24V DC, 10A and 0.5A Alarm Relays
ML-292M	Maxlogic Gas Detector, Methane (Natural Gas), 24V DC
ML-292M-R	Maxlogic Gas Detector, Methane (Natural Gas), 24V DC, 10A Alarm Relay
ML-292M-RS	Maxlogic Gas Detector, Methane (Natural Gas), 24V DC, 10A and 0.5A Alarm Relays
ML-293L	Maxlogic Gas Detector, LPG, 230V AC
ML-293L-R	Maxlogic Gas Detector, LPG, 230V AC, 10A Alarm Relay
ML-293L-RS	Maxlogic Gas Detector, LPG, 230V AC, 10A and 0.5A Alarm Relays
ML-293M	Maxlogic Gas Detector, Methane (Natural Gas), 230V AC
ML-293M-R	Maxlogic Gas Detector, Methane (Natural Gas), 230V AC, 10A Alarm Relay
ML-293M-RS	Maxlogic Gas Detector, Methane (Natural Gas), 230V AC, 10A and 0.5A Alarm Relays

### CONVENTIONAL GAS DETECTORS

Product Code	Description
GDR-1224L	Mavigard GD/GDR Series Gas Detectors LPG (butane+propane) detector, 12/24V DC with relay
GDR-1224M	Mavigard GD/GDR Series Gas Detectors Methane (natural gas) detector, 12/24V DC with relay
GDR-220L	Mavigard GD/GDR Series Gas Detectors LPG (butane+propane) detector, 220V AC with relay
GDR-220M	Mavigard GD/GDR Series Gas Detectors Methane (natural gas) detector, 220V AC with relay
GD2R-12EC	Mavigard Carbon monoxide gas detector (CO), 12V DC, 2-level alarm output, electrochemical
GD2R-24EC	Mavigard Carbon monoxide gas detector (CO), 24V DC, 2-level alarm output, electrochemical
GD2R-220EC	Mavigard Gas detector (CO) Carbon monoxide gas detector (CO), 220V DC, 2-level alarm output, electrochemical
TGDR-1224M	Mavigard Gas Detector for Methane (CO) detector, 12/24V DC with relay, ceiling type, Requires MG3500 socket
ML-0120	Maxlogic Surface mounting back box (For Gas Detector)

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