

# EXPOSIVE GAS DETECTOR 12V a.c./d.c. GD-12

## Product description-Operation

The device GD-12 is a wall-mounted explosive gas detector with an operating voltage 12V a.c./d.c.. It was designed to detect and measure concentration in % L.E.L. (Lower Explosive Level) of explosive gases, such as LPG, Propane, Butane or Gasoline vapours, but should **NOT** be used to detect Methane or Natural gas.

The explosive gas detector is activated when the content of explosive gas, in the monitored area, has exceeded 5-15% of the minimum explosive limit (L.E.L).

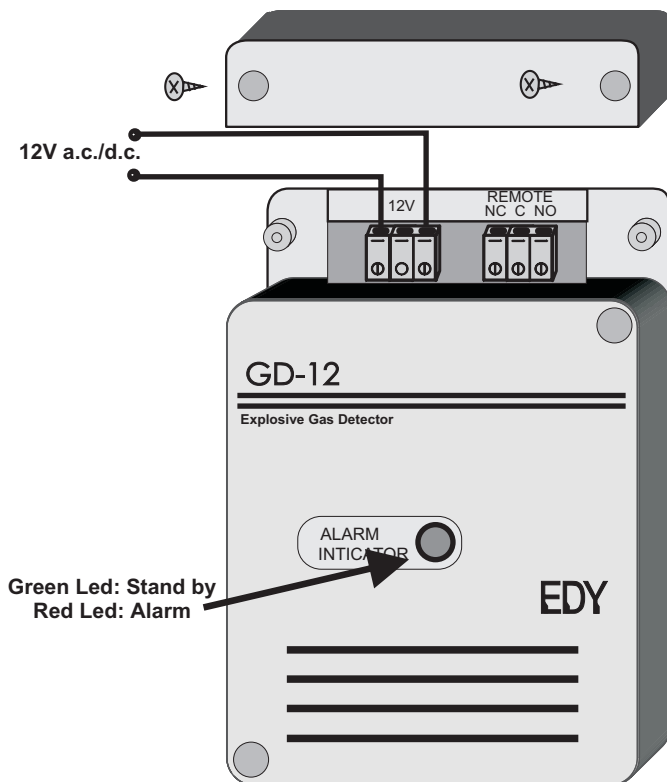
The activation stops when the content of the gas drops below 5-15% of the L.E.L.

The device has the following operating indicators:

When it is connected to the power supply 12v, the green Led lights up.

When the sensor is activated and the device is in alarm mode, the red Led lights up and the output is activated (voltage free relay contact).

The device is in conformity with provisions of directives and international standards EN-50194, EN-61000-3-2, EN-61000-3-3.



## Installation

Install the device using the included mounting accessories.

When more than one devices are used, the maximum distance between them is 4m.

## Connection

After unscrewing the protective cover of the connection terminals, connect the device to the power supply of 12V. The "Remote NC, C, NO" terminal is an additional switching contact, which is activated when the detector is in ALARM state.

After connecting, the protective cover must be re-screwed in its position.

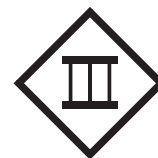
The supply cables must have a cross section at least 1 mm<sup>2</sup>.

## Precautions

The detector should be mounted indoors, protected from excessive moisture, heat and air currents. The connection of the device must be made by a qualified technician and after it has been ensured that the lines do not have voltage, in order to avoid electric shock.

## Technical specifications

Operating voltage	12V a.c./d.c.
Average power consumption	160mA
Gas sensor	NAP 66A
Relay contact	5 A max.
Restart	Automatic
Operating temperature	-10 °C to +50 °C
Maximum humidity	90 %
Constraction material	ABS
Dimentions	120mm x 85mm x 35mm



IP 20



Made in Greece

The company reserves the right to change the features for the purpose of improving the product.