

INTIEL

THE ELECTRONICS ON YOUR SIDE

Gas alarm for domestic applications
INT0115A

User's Manual

1. Application

Gas alarm is designed to provide premises protection against exceeded concentration of flammable and explosive gases over admissible norms. It is suitable for an installation at boiler rooms, central heating distribution stations, kitchens, etc., where generally are being used devices working with gas.

2. Technical data

- Power supply ~230V/50Hz
- 2. Maximum current trough contacts 5A/~250V
- 3. Outputs: 1 standard relay (changeover contacts)
- 4. Alarm level:
 - CH4 10% 5000 ppm
 - LPG 10% 2100 ppm
- Time for sensor determination 60 sec.
- Working temperature from (-10 °C up to (+40 °C)
- Humidity 35 - 80%
- Protection IP 20

3. Operation

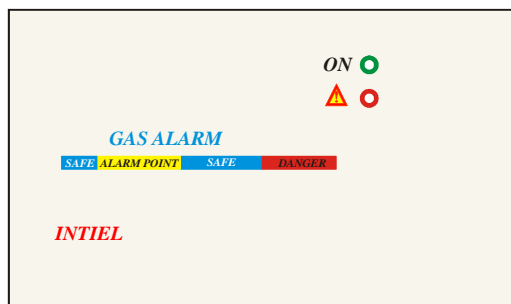
The devise is equipped with sound and light indication, as well with a relay output. When the gas concentration exceeds the safety assigned level, the device switches on the relay output and activates a sound and light signal. The same operation mode continues until a gas concentration is being kept over the safety level.

The device is able to react to increased concentration of liquid fuel stems, organic solvents, etc. When the Gas alarm is being activated the following actions are to be undertaken:

- The gas feeding must be stopped immediately
- To be taken all possible actions for fresh air ventilation of the premises.
- To not switch any electrical consumers (every sparkle can cause an explosion)
- To not enter the premises with a cigarette or a flame.
- To call the service center of gas installing company for a whole system check-up and any repair work.

The Gas alarm does not guarantee 100% safety. It only signalizes about gas concentration, which avoid any unfortunate accidents. A precondition for safety operation is the precise following of the safety instructions for exploitation of the installed gas equipment and devices.

4. Front panel



Light indication **ON** – shows the power supply is on.

Light indication **▲** – shows that the gas concentration is above the requirements.

5. Electrical wiring

The wiring connection includes connection of the device to the power supply and its relay output to the gas armature according figure2.

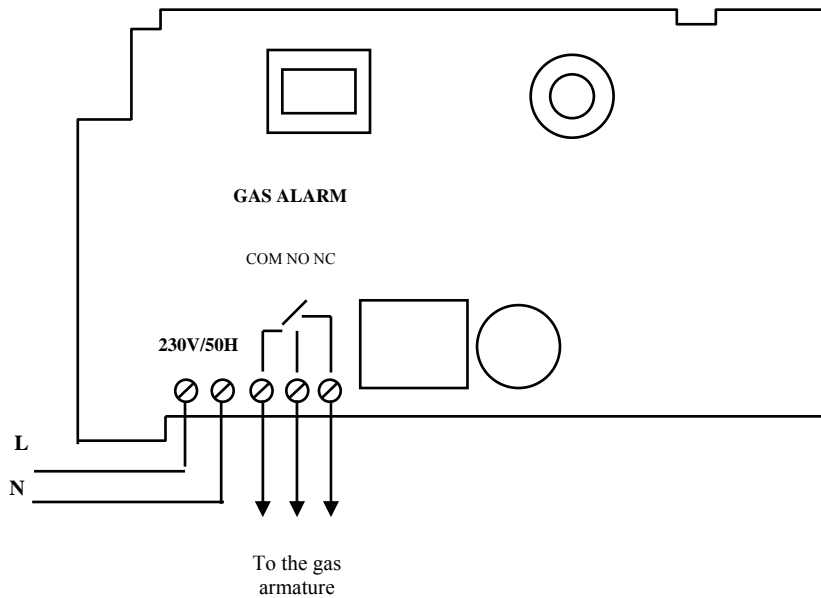


Figure.2

6. Installation

The gas alarm is designed for wall installation close to the equipment fed with a gas. The device is to be installed as much as lower close to the equipment when a propane or other heavy gases are being used, and it is to be mounted at as much as upper point, when gases lighter than the air are being used like natural gas, etc.

CAUTION! Do not cover the device or prevent in other way the air circulation around it!

7. Warranty

The warranty period is 24 months following the purchase date of the unit or its installation by an authorized Engineering Company, but not exceeding 28 months after the production date. The warranty is extended to the malfunctions that occur during the warranty period and are result of the production reasons or defective used parts.

The warranty does not relate to malfunctions corresponding to not-qualified installation, activities directed to the product body interference, not regular storage or transport.

The repairs during the warranty period can be done after correct filling of the manufacturer warranty card

Warranty Card

| | |
|---|--|
| Manufacturer: INTIEL | |
| Product type | |
| Production number | |
| Production date | |
| Dealer confirmation | |
| Purchase date | |
| Invoice number | |
| Dealer's name, address and stamp | |
| Seller's name and signature | |
| Installation Date | |
| Date | |
| Company (address, stamp) | |
| Installer's name and signature | |