

FlammEx Gas Detector with electronic sensor technology

**30 V
ersion**

type: 230

prod. no. RA43100003905

**12 V
ersion**

type: 12

prod. no. RA43100003899

The FlammEx Gas Detector alarms you that methane (CH_4), i.e., natural gas, propane (C_3H_8) and butane (C_4H_{10}), i.e., bottled gas have escaped.

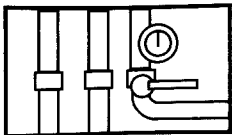
Great danger: An easily ignitable mixture of gas exists when the above-named gases escape and mix with oxygen. Even the smallest spark can lead to an explosion.

Application: House, flat, caravan or mobile home, yacht or motor boat.

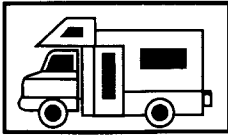
The FlammEx Gas Detector alarms you well before the explosive level is reached.

1. Mounting locations

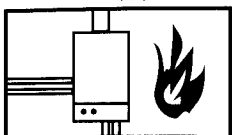
1a



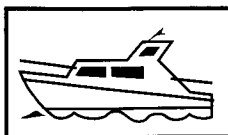
Connection chamber for house supply service



Caravans or mobile homes



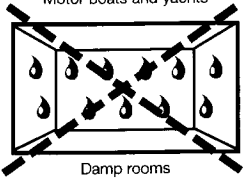
Boiler room



Motor boats and yachts



Gas cookers

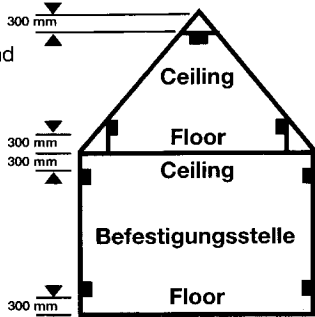


Damp rooms

1b

Methane (CH₄) is lighter than air and it therefore rises to the top. Fasten the gas detector approximately 300 mm below the ceiling.

NATURAL GAS (METHANE)

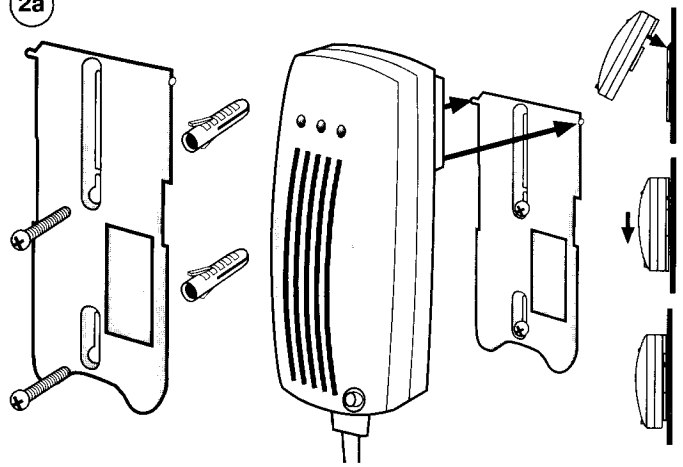


PROPANE OR BUTANE

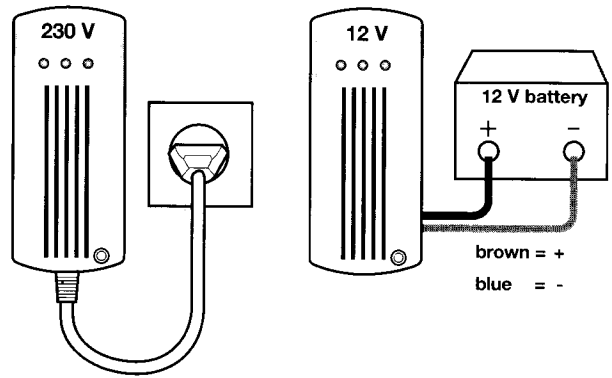
Propane and butane are heavier than air and they therefore fall to the bottom. Fasten the gas detector approximately 300 mm above the floor.

2. Mounting

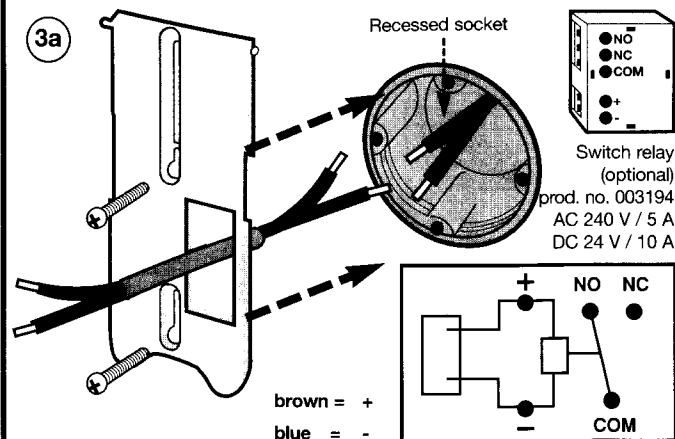
2a



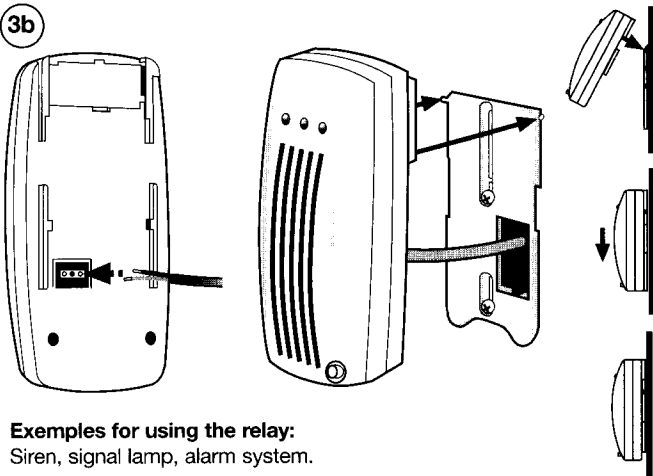
2b



3. Mounting the relay



3b



4. Functions

Green LED: (flashing) - - - - -

The equipment is ready for operation approximately **10 mins.** after connecting it to the electrical power supply. Permanent light: the equipment is ready for operation: „Power ON”.

Orange LED: - - - - -

Illuminates in the event of an interruption.

Red LED: (alarm) - - - - -

It flashes and a supplementary acoustic signal generator (transducer) sounds intermittently in the event of an alarm
= see conduct in the event of an alarm.

Test knob and muting switch: - - - - -

Test knob Operate once a month to test the function. The red and orange LEDs will flash and an acoustic signal tone will sound intermittently.

Muting switch: You can switch off the acoustic alarm tone in the event of an alarm.

The red LED will continue to flash and a short signal tone will sound approximately every 45 secs.

Electrical power connection:

230V AC
12 V DC

230V ~ 50 Hz in the socket outlet. No function when the electrical power supply is interrupted.

Or, 12 V direct current - - - - -
(DC) From a battery or rectifier for example. No function when the electrical power supply is interrupted, or when there is undervoltage.

Possible false alarm:

The warning system is appropriately set very sensitively for its purpose and for your safety. The system's sensor therefore responds to other gaseous media too. The use of aerosols (propellant in sprays for hair, disinfection, etc..) but also stronger smoke (a group of people smoking while playing cards) and kitchen dust can lead to a false alarm.

Conduct in the Event of an alarm!

- **When the alarm is given, immediately find out the cause and remedy it or evacuate the building.**
- **Open doors and windows wide**
- **Avoid open fire**
- **Do not activate any electrical switch**
- **If necessary, arrange for the gas leak to be repaired by an expert**

Technical data:

Electrical power supply	230V ~ 50 Hz / 12 V DC
Power consumption	2,6 W / 1,3 W
Temperature range	0° C to 40° C
Response wave	less than 25% of the lower explosion limit
Tested to comply with	BS 7348/1990, EN 60335-1, ERG/GS, CE
Signal volume	approximately 85 dB at a distance of 3 m
Size	(LxWxH) approximately 156 mm x 80 mm x 51 mm

The right to make technical and visual modifications without announcement is reserved.

WA 9/00

Guarantee

The gas detector has been tested to comply with the applicable regulations and it has been manufactured with great care.

The guarantee runs for 5 years from purchase of the equipment by the end consumer. The guarantee can only be upheld if the unmodified equipment is returned together with the dated receipt, after it has been packed and adequately stamped. Please include a brief, written description of the defect with the equipment being complained about.

If the guarantee claim is authorized, then the manufacturer will choose to either repair the equipment within a reasonable period or to exchange it. If the guarantee claim is unjustified (e.g., made after expiry of the guarantee period, or the defect is not covered by the guarantee claim), then the manufacturer will try to repair the equipment economically.

The guarantee liability does not refer to natural wear and tear, alteration by environmental influences or damage caused by transportation; nor to damage which has occurred as a result of non-compliance with the mounting instructions, the maintenance instructions or improper installation.

The supplied batteries are excluded from the guarantee. The manufacturer is not liable for indirect or consequential damage, nor for damage to property.

**5 year
guarantee**