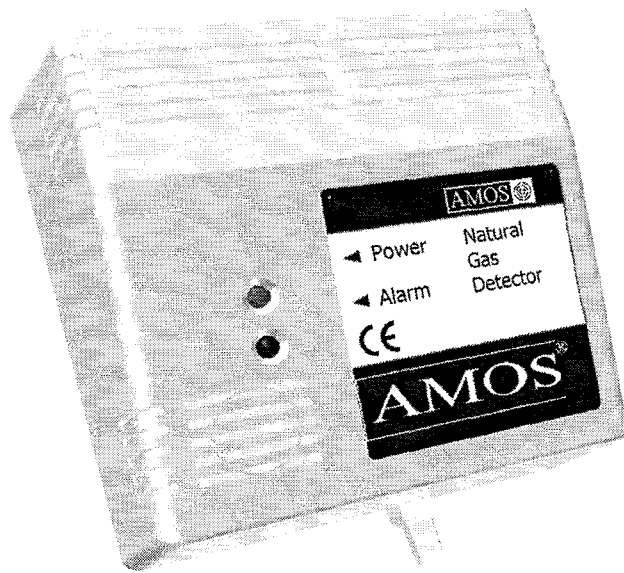


**PANTHERGAS DIRECT LTD**

**MODEL 610/611**

**NATURAL GAS DETECTOR -610**

**LP GAS DETECTOR- 611**



**INSTRUCTION MANUAL**

**Read these instructions carefully before installation**

# **IMPORTANT NOTICE**

**All the items listed in this document - should only be installed by a competent and approved person(s) and all current regulations for Gas and Electrical Regulations MUST be adhered to. Attention is drawn to Regulations relating to the isolation and reinstatement of Gas and Electrical Systems.  
Isolate the Mains current before starting installation.**

## **MAINTENANCE:**

All Items should be tested on a regular basis and in accordance with standard Health & Safety requirements. Inspections & Tests should be carried out at least every six months.

Test gases are available for gas detector tests.

All items in kitchens should be regularly be cleaned to ensure dirt and cooking fats do not impair the product performance. DO NOT use cleaning sprays.

**GUARANTEE:** We guarantee your Product Purchase for 12 months from date of purchase. We shall not be under any obligation to repair, replace or refund any of the above found to be defective in any way due to damage, neglect or unreasonable use.

## **CONTACT:**

**PANTHERGAS DIRECT LTD  
PO BOX 2507,  
CLARENCE PLACE,  
READING RG1 5XF**

**TEL: (44) 0118 960 4321  
FAX: (44) 0118 960 4333  
EMAIL: [technical@panthergas.co.uk](mailto:technical@panthergas.co.uk)  
WEBSITE: [www.panthergas.co.uk](http://www.panthergas.co.uk)**

# PANTHERGAS DIRECT LTD

## NATURAL & LP GAS DETECTORS - 610 & 611

### INSTALLATION NOTES

The detector should only be installed by a competent electrician and wired in accordance with current IEE regulations.

Isolate the mains electricity supply before starting installation.

Do not tamper with the inside of this detector -no maintenance or adjustment is required.

**WIRING: 240v circuit LIVE - Brown NEUTRAL - Blue**  
**SWITCHING CIRCUIT - Black / Grey**

### LOCATION

The detector is designed to operate inside a building with free access to air in the room. They should be wall mounted.

**Natural Gas is lighter than air** and these detectors should be located between a Minimum height equal to 75% of the room height and a maximum height 30cms below the ceiling.

**LP Gas is heavier than air** Detectors should be located 30cms from floor level.

Do not install the detector:

[1] Directly above a cooker or sink

[2] Next to a window or extractor fan

[3] In areas of extreme temperature below -5°C or +40° C

[4] In damp or humid areas.

### APPLICATIONS

Boiler Plant Rooms-

Place as instructed above. Locate on wall nearest to Boiler(s) and gas "train". Ensure detectors are on "Boiler side" of any ventilation air flow.

Laboratories- Place as instructed above. It is recommended that power to each detector is individually isolated.

Kitchens- Place as instructed above. Avoid areas of steam and excessive heat. Site away from toasters & cookers etc.

Each detector will cover an area 5 metres x 5 metres.

Additional detectors may be required for enclosed and meter areas.

# THE DETECTOR IN OPERATION

Natural Gas and LP Gas: Models 610/611

When mains supply to the detector is connected the indicator [Power] will show: GREEN.

The indicator [Alarm] will show RED and Audible Alarm will sound (After 10 seconds.) upon detection of gas at levels at or above 10%LEL. Relay switching circuit activated.

Please note- when the detector is first "powered up" the red indicator may show for a few seconds. This will only happen if the detector has not been "powered" for some time. The "powering up" time is 3 minutes during which time the sensor is "stabilising".

## FEATURES

- \* Visual Green-Power Red - Alarm \* Audible alarm Internal 85dB
  - \* Warm up time 3 minutes
  - \* Service life 5 years
  - \* Relay output Energise on alarm, volt free contacts, rated 3A continuous 250V ac
- All detectors fitted with alarm relay as standard LEL= Lower Explosive Limit

## SPECIFICATION

	<b>Natural Gas: Model 610</b>	<b>LP Gas- Model 611</b>
Alarm Level :	5-20 % LEL	5-20%LEL
Time to alarm:	< 30secs	< 30secs
Alarm Sound Level:	85 Decibels(d B) at 3m	85 Decibels(d B) at 3m
Relay Contacts:	Rated @ 10amp.NI	Rated @ 10amp.NI
Fuse Rating:	3A unswitched outlet	3A unswitched outlet
Input supply Voltage:	220/240V 50Hz Or 12V dc or 24V dc	220/240V 50Hz Or 12V dc or 24V dc
Temp.range :	- 10°C to + 40°C	- 10°C to + 40°C
Dimensions:	110 x 110 x 57(mm)	110 x 110 x 57(mm)
Weight:	420gm	420gm