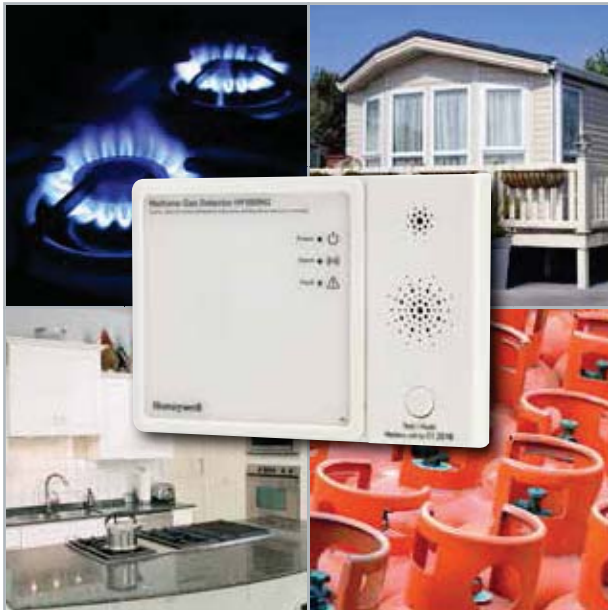




**Unrivalled performance with
EN50194-1:2009 approval**

Flammable Gas in Residential Accommodation



The dangers of flammable gas in residential accommodation

Natural Gas and LPG (Liquefied Petroleum Gas, also known as bottled gas) are some of the safest forms of energy available, but they can still pose a substantial hazard in homes and static caravan holiday parks if a leak occurs.

Once gas has built up undetected, simple activities such as turning on light switches can provide a source of ignition, potentially causing an explosion.

There are a number of reasons why gas leaks can occur:

- Mistakes such as forgetting to light a gas ring/or not noticing that gas has been switched on, due to a limited sense of smell or dementia
- Natural causes such as a boiler pilot light blowing out
- Wear and tear of devices such as gas heating and cooking appliances
- Incorrect installation or maintenance of gas fuelled appliances.

Who is at risk from residential flammable gas leaks?

- Anyone using gas in the home can be at risk from a potential gas leak
- People who are away from their homes; unless someone is in the property to notice the smell of gas, a leak could potentially build up to dangerous proportions before someone returns home and notices the leak has occurred
- People with a desensitised sense of smell due to age or medical condition
- People with memory issues or people suffering from confusion may forget to light gas rings or may leave gas appliances running, potentially causing a leak to build up.

This makes flammable gas leak detection a concern for any housing professionals, residential care professionals, static caravan holiday park owners or home owners.



HF500 Hard-Wired Flammable Gas Alarms



The HF500 alarms are designed to deliver a complete solution for the detection of LPG (Liquefied Petroleum Gas) and Natural Gas/Methane. Optimised for use by professionals dealing with flammable leak detection, HF500 is ideally suited for use in private or social housing as well as other forms of residential care.

The HF500 can either be used as a stand-alone device or it can be directly wired to a solenoid valve or control panel/alarm system. There are two model variants available in the HF500 range: HF500NG for the detection of Natural Gas and HF500LPG for the detection of LPG.



Why choose the HF500?

High reliability

- Approved to EN50194-1:2009 by BSI (Kitemarked KM 590203)
- Catalytic flammable gas sensor
- Professional design



Tamper-proof

- Hard-wired for peace of mind

Easy to operate and use by the end-user

- Clearly visible status indication LEDs: power, alarm, fault
- Loud 85dB alarm
- Button for test and alarm mute

Low total cost of ownership

- Optimised for easy wiring
- Direct connection to a solenoid valve
- 5 year product life with 2 year guarantee

Easy to install

- Easy to access wiring terminal
- Cable entry from the back or via mini trunking from the sides or bottom
- Fits to standard electrical installation boxes
- The design allows the alarm to be replaced without rewiring
- Installer mode to test the functionality of the relays

Designed for residential environments

- Small, compact design with stylish look, optimised for residential settings

Complete solution

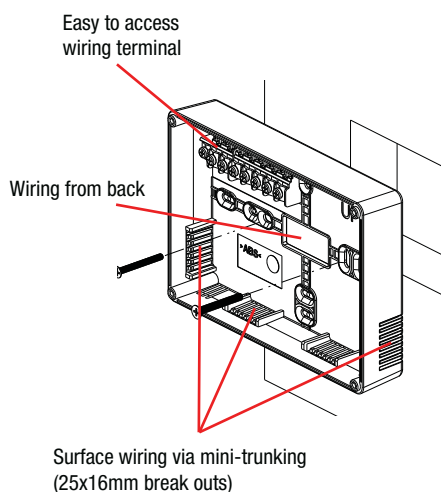
- Integrated alarm relay can operate normally open and normally closed solenoid valves for automatic gas shut off
- Alarm and fault relays can also be used to connect to a control panel/alarm system
- Honeywell also offers a range of suitable solenoid valves

Installation

The HF500 is hard-wired which ensures the device is always connected to the mains power supply. It also prevents the device being accidentally unplugged which would stop the unit from functioning and could also create a spark that ignites the gas.

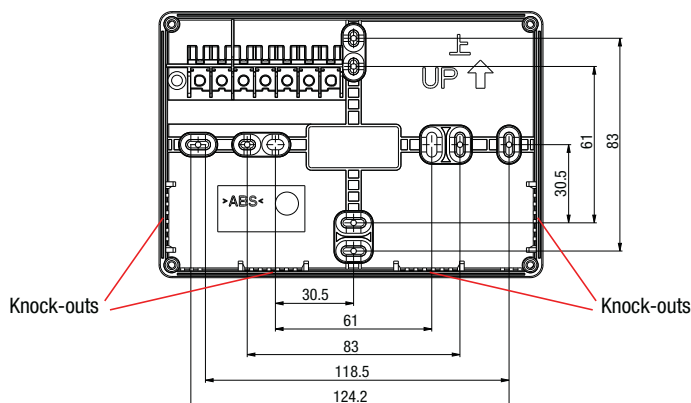
The HF500 is optimised for quick, engineer friendly installation and all wiring can be done on the separate adaptor plate with an easy to access terminal.

Wiring options



Mounting holes

The dimensions of the hole locations within the adaptor plate are shown below:



Technical Specification



Reliability	
Detection principle	Catalytic flammable gas sensor
Calibration gas	Methane for HF500NG Butane for HF500LPG
Calibration level	10% LEL
Accuracy tolerance	+/- 2.5% LEL
Approvals	EN50194-1:2009 Kitemarked (KM 590203)
Other compliances	RoHS
Self check function	Yes
Lifetime/guarantee	5y/2y
Operating environment	
Temperature	-10°C to +55°C
Humidity	0-95% RH (non-condensing)
IP rating	IPX2D
Electrical	
Power supply	110-230VAC 50/60Hz
Power consumption	<6.5W
Alarm relay	5A 250VAC SPDT (single pole changeover)
Fault relay	0.25A 250VAC SPST NO (single pole)
User interface	
Visual indicator	Power: Green LED Alarm: Red LED Fault: Yellow LED
Audible	>85dB @ 1m
Button	For test and alarm mute Installer test mode for relays
Product	
Size	150 x 104 x 37mm
Weight	<400g
Packaging	
Type	Carton box
Dimensions	106 x 185 x 45mm (L x W x D)
Scope of supply	
	HF500 alarm Mounting kit: Screws and plugs User and installer manual

Ordering Information

Part No	Barcode	Detected Gas	Language	Product Description
HF500NG-EN	5 027526 400041	Natural Gas	English	HF500NG 230VAC Relay (en)
HF500LPG-EN	5 027526 400058	LPG	English	HF500LPG 230VAC Relay (en)

Dedicated local support

Honeywell provides a UK based Customer Support Centre, which is available Monday to Thursday from 08:30 to 17:00, and Friday from 08:30 to 15:30 (GMT).

Our team is happy to answer any queries on our products.

Telephone: +44 (0)1202 645 577