



**Self-contained  
Carbon Monoxide Alarm  
“The Professional’s Choice”**

**Our products and services protect millions of people every day. Why would you trust your life or the safety of your family to anyone else?**

# H450EN Self-contained Carbon Monoxide Alarm



## Why choose the H450EN

### Carbon Monoxide (CO) alarm:

- 6 year guarantee, up to 7 year life of alarm
- Superior electrochemical cell sensing technology
- Easy to install and use
- Automatic sensor adjustment function ensures complete accuracy
- Approved to EN50291-1:2010 and Kitemarked
- Continuous self test function
- Batteries pre-fitted in alarm
- No sensors to replace
- No mains power
- No maintenance
- End of unit life indication

**The H450EN is an easy to use and reliable self-contained Carbon Monoxide alarm. Designed for use in all domestic environments such as homes, static caravans and home parks.**



All gas appliances should be checked for safety annually.

The H450EN has a unique fold down flap on the front of the unit which provides a range of useful information to the user without having to refer back to the comprehensive instruction manual.

### This includes:

- A description of the potential alarm and fault signals that the unit can give
- What to do if the full alarm sounds and a contact telephone number
- Contact details for our CO Advice Line and CO alarm replacements
- Contact details for Gas Safe Register (ensure gas installers are properly registered)

### Sensor Technology

The latest electrochemical cell technology ensures complete accuracy and reliability giving a 6 year guarantee and up to 7 year life under normal operating conditions. It is officially approved and Kitemarked to the stringent performance requirements of EN50291-1:2010 - the European Standard for domestic Carbon Monoxide alarms.

### Installation

The H450EN is easily attached using the fixing kit provided, with no need for any wiring. No maintenance is required for the full 7 year life of the alarm, with no sensors or any parts to replace.

### Maintenance-free Operation

This alarm, including batteries, is guaranteed for 6 years. The batteries are sealed inside the alarm, preventing access by the user and do not require replacement for the whole life of the alarm (up to 7 years).

### The Professional's Choice

The H450EN is widely regarded as the professional's choice of Carbon Monoxide alarm and is the chosen unit of numerous major organisations such as gas suppliers, energy companies, local authorities and housing associations etc.

### Visual signalling



The H450EN provides a visual signalling in addition to its audible alarm. It enables the user to clearly distinguish between a

dangerous alarm situation, a fault situation like almost empty batteries, and normal operation. This is achieved with the new dual-colour status light, which will flash green to indicate normal operation, and yellow in case of a fault. This also provides a clear end of unit life indication for the unit.



BS EN50291-1:2010

**Honeywell is a leading manufacturer of Carbon Monoxide alarms**

# General Specification



Specification	
<b>Detection Principle</b>	Electrochemical cell
<b>Operating Voltage</b>	3V
<b>Alarm Life</b>	Up to 7 years under normal operating conditions
<b>Alarm Indication</b>	Audible and visual alarm
<b>Buzzer Output</b>	> 85 decibels (dB) at 1m
<b>Operating Temperature Range</b>	-10 to +40°C
<b>Humidity Range</b>	30 to 90% RH non condensing
<b>Alarm Levels</b>	50ppm between 60 to 90 minutes 100ppm between 10 to 40 minutes 300ppm < 3 minutes (as required by EN50291-1:2010)
<b>Weight</b>	0.1kg (100g) approx.
<b>Dimensions</b>	110mm x 76mm x 34mm
<b>Test Facility</b>	Yes
<b>Self Check Function</b>	Yes

Ordering Information	
<b>Blister Pack (UK/FR/DE/NL)</b>	H2109B0181SE
<b>Trade Box (UK/FR/DE/NL)</b>	H2109B0180SE
<b>Trade Box (UK/IT/ES/PT)</b>	H2109B0180SEB



## Customer Branding

For specific volume contracts, we are able to screen print a customer logo on the front of the unit. This is particularly popular with Local Authorities, Housing Associations and Utilities. Terms and conditions apply - full details on request.



The H450EN is available in a blister pack or trade box.

## Contact Us

We also provide a **UK CO Advice Line/Call Centre** facility which is available Monday to Thursday 8.30am to 5pm and Friday 8.30am to 3.30pm. The Call Centre will answer any queries on our products and on CO. Please call **01202 645 577** for more information.



From 1 April 2009, all gas engineers in Great Britain and Isle of Man must be on the new Gas Safe Register® to do gas work lawfully. We fully support the efforts of Gas Safe Register® and will only recommend the use of Gas Safe registered engineers for the servicing of gas appliances.

Honeywell Analytics is a keen supporter of numerous national awareness campaigns designed to raise the profile of CO safety and the use of officially approved CO alarms. These include the *Be Alarmed* campaign, *CO Awareness Week* and *Gas Safety Week*. Honeywell Analytics is actively committed to reducing the injuries and deaths resulting from CO poisoning and works with government and key lobby groups to evolve domestic safety legislation.



Carbon Monoxide - Be Alarmed! is the national campaign to encourage the use of properly approved CO alarms to reduce

the number of deaths and injuries caused by Carbon Monoxide. For more information about how to stay safe please visit the campaign website: [www.co-bealarmed.co.uk](http://www.co-bealarmed.co.uk)

# Our Gas Detection Product Range

**Honeywell**



## Fixed Gas Monitoring

We offer a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

## Portable Gas Monitoring

When it comes to personal protection from gas hazards, we have a wide range of reliable solutions ideally suited for use in confined or enclosed spaces. These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

## Technical Services

We believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

### Contact us:

#### UK Customer Service Centre:

Honeywell Analytics Ltd.  
4 Stinsford Road  
Nuffield Industrial Estate  
Poole, Dorset BH17 0RZ  
Tel: +44 (0)1202 645577  
Fax: +44 (0)1202 665331  
[consumer@honeywell.com](mailto:consumer@honeywell.com)

#### Europe, Middle East, Africa, India

Life Safety Distribution AG  
Javastrasse 2  
8604 Hegnau  
Switzerland  
Tel: +41 (0)44 943 4300  
Fax: +41 (0)44 943 4398  
[gasdetection@honeywell.com](mailto:gasdetection@honeywell.com)

[www.honeywell.com](http://www.honeywell.com)

#### Technical Services

EMEA: [HAexpert@honeywell.com](mailto:HAexpert@honeywell.com)  
US: [ha.us.service@honeywell.com](mailto:ha.us.service@honeywell.com)  
AP: [ha.ap.service@honeywell.com](mailto:ha.ap.service@honeywell.com)

#### Americas

Honeywell Analytics, Inc  
405 Barclay Blvd.  
Lincolnshire, IL 60069  
USA  
Tel: +1 847 955 8200  
Toll free: +1 800 538 0363  
Fax: +1 847 955 8208  
[detectgas@honeywell.com](mailto:detectgas@honeywell.com)

#### Asia Pacific

Honeywell Analytics Asia Pacific  
#508, Kolon Science Valley (I)  
187-10 Guro-Dong, Guro-Gu  
Seoul, 152-050#  
Korea  
Tel: +82 (0)2 6909 0300  
Fax: +82 (0)2 2025 0329  
[analytics.ap@honeywell.com](mailto:analytics.ap@honeywell.com)

#### Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

We Save Lives

