

# Safety Alarms

2019 / 2020



# DETA

# Safety Alarms



Deta's range of interlinkable mains powered **Smoke and Heat Alarms** satisfy all Grade D domestic requirements as laid down by BS 5839: Part 6 and the Building Regulations of England, Wales, Scotland and Northern Ireland.

**Optical Smoke Alarms** incorporate the latest optical sensing technology, which is more sensitive at detecting large particles of smoke, which tend to be produced in greater amounts by slow mouldering fires.

**Carbon Monoxide Alarms** are available for detecting dangerous levels of Carbon Monoxide (CO) gas and in accordance with Building Regulations are mandatory in England and Wales in rooms with solid fuel burning appliances, and mandatory in Scotland in all rooms with any fuel burning appliance.

**Carbon Dioxide and Temperature Monitors** use state of the art infra-red technology to accurately measure CO<sub>2</sub> levels within the home, providing occupants with clear readings as to air quality and guidance on whether action should be taken to improve it, as required in accordance with the latest edition of the Scottish Technical Handbook for Domestic Dwellings (2017).

# Product Features

Mains powered smoke and heat alarms incorporate a 9V battery backup and are interlinkable (up to 12 units) to provide maximum protection throughout the home.



## Easy Fix

Simply rotate and connect alarm head to base



## Fly Lead

Simplifies connection for second fix installation



## Dust Cap

Prevents dust ingress during building works

## Optical Smoke Alarm

- 230V mains rated
- Battery back-up and low battery warning
- Interlinkable - up to 12 units
- LED operating indicators
- Removable dust cover
- Missing battery indicator
- Test button
- Silencer
- Sound output 85dB at 3m
- Maximum power consumption 9W
- Conforms to BS EN 14604:2005/AC: 2008
- 5-year guarantee



1163 Optical smoke alarm



1163

## Heat Alarm

- 230V mains rated
- Battery back-up and low battery warning
- Interlinkable - up to 12 units
- LED operating indicators
- Removable dust cover
- Missing battery indicator
- Test button
- Silencer
- Sound output 85dB at 3m
- Maximum power consumption 9W
- Conforms to BS 5446-2:2003
- 5-year guarantee



1165 Heat alarm



1165

# Carbon Monoxide Alarms

Carbon Monoxide is a poisonous gas created when fossil fuels go through a combustion process. It is tasteless and odourless and if you are exposed to it in unvented areas, it can have very serious health effects.

There are various appliances around the home that can create carbon monoxide. These fossil burning appliances can include boilers, gas fires or portable heaters, your fireplace and even gas cookers. These appliances should be vented correctly to allow any carbon monoxide to be exhausted into the open atmosphere, taking it safely away.

Carbon monoxide is created when the combustion of these fossil fuels is incomplete. To ensure that appliances are working correctly, they should be maintained regularly, preferably annually.

The level of carbon monoxide is measured in parts per million (ppm). The maximum allowable concentration for continuous exposure is 35ppm in an 8 hour period.

### Know the danger signs

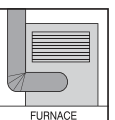
- Staining, sooting or discolouration around the appliance
- A yellow or orange flame where normally blue
- Condensation on walls and windows once the appliance is lit
- Rusting or water streaking on appliance cabinet/vent/chimney
- Loose or disconnected vent/chimney connections or guards



### Potential Sources of Carbon Monoxide in the Home



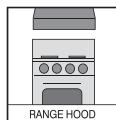
BLOCKED CHIMNEY



FURNACE



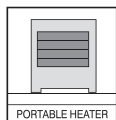
ATTACHED GARAGE



RANGE HOOD



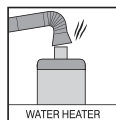
CLOTHES DRYER



PORTABLE HEATER



FIREPLACE



WATER HEATER



INDOOR GRILLING

### What the regulations say

In England and Wales, the Building Regulations Approved Document J, 2013 edition, calls for carbon monoxide alarms to be provided in the room where a solid fuel appliance is installed, whether it is a new or replacement appliance being installed (clause 2.34). Where properties have flues that are concealed and in voids, inspection hatches need to be fitted, but until this happens CO alarms should be installed in the interim (TB008 Edition 2).

In Scotland, the Building Standards Technical Handbook 2017: Domestic Buildings requires carbon monoxide alarms to be fitted in any room where a new or replacement fixed combustion appliance is installed (excluding an appliance used solely for cooking) and in any room that has a flue running through it (clause 3.20.20).

### Positioning of Alarms

Alarms should be placed in the same room as the fuel burning appliance, between 1-3m away horizontally. The alarm should also be placed in any room that has a flue running through it. Alarms should not be positioned in enclosed spaces, for example behind curtains or cupboards, and not next to doorways or windows.

## Carbon Monoxide Alarms

- Test/silence button
- Mains powered and battery operated versions
- LED operating indicators
- In compliance with BE EN 50291:2001
- Mains powered: 5-year guarantee
- Battery powered: Long life 7-year sensor and sealed for life battery
- Battery powered: 7-year guarantee

- 1121 Carbon monoxide alarm - mains powered  
1137 Carbon monoxide alarm - battery powered



1121



1137

## Carbon Dioxide and Temperature Monitor

- Live readouts for CO2 levels (PPM) and Temperature (°C)
- CO2 readouts for 8 hour (average) and 24 hour (average and peak) periods.
- Traffic light system indicating CO2 levels and if improved ventilation is required
- Suitable for install within a 1 gang flush mounting back box at least 35mm deep
- 2-year guarantee

- 1142 Carbon dioxide and temperature monitor - **NEW**



Compliant with Scottish Technical Handbook Requirement for CO2 monitoring in domestic dwellings



1142





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