

Selecting a Smoke/Heat alarm

- In new build, to comply with the Building Regulations (Approved Document B), in England and Wales, or in Scotland the Technical Standards (Parts D and E), you must use hard wired AC products only. Refer to BS5839 Part 6 as a useful Code of Practice on selection and siting.

Type Selection:

- This is a key area, and you should seek the advice of professionals, if you are uncertain; we would be delighted to help. Alternatively other sources are: Local fire service/Building Control at Local Council, *though generally only involved with New Build and projects requiring Planning permission*/electrical installer. However, this leaflet may well provide you with the answers you need. Residential Alarms use the same technology in sensing smoke and heat as used in Commercial premises; these comprise Ionisation, Optical (Photo electric), and Fixed Point Heat alarms.
- No one type of alarm is suitable for every type of fire – ideally therefore, you will be using a combination of all three to provide maximum protection.**

Hard Wired Benefits

- Always interconnectable up to 24 units. (Often with hush feature; essential on ION alarms which are more prone to nuisance alarming from steam sources.)
- Twin LED's, indicating healthy power and state of alarm.
- Far less likely to be tampered with than DC alarms, where battery misappropriation is an issue. (e.g. Where the battery is borrowed for use in another household appliance and never replaced.
- Though 'The Building Regulations' permit AC only alarms (i.e. without battery back-up) the majority installed do have battery back up.

Whats Interconnection?

- This means an alarm downstairs that senses fire at night will sound the interconnected alarms upstairs. This extra few minutes of warning can mean the difference between life and death.



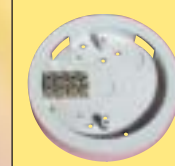
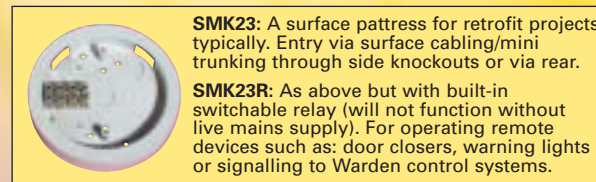
Whats battery back up?

- With a mains only alarm if there is loss of power supply, the secondary or back up battery provides power for the alarm to continue functioning. Of course in a real fire there is also the danger that damaged mains cabling may also disrupt supplies.



Battery Back Up and Guarantee

- On our top-of-the-range products that enjoy a **10 year life and guarantee**, we use a sealed-in Lithium Cell. These units therefore have no loose battery that can be misappropriated for use in other appliances. Unlike many manufacturers who claim a 10 year life – we **GUARANTEE** it. (Naturally this assumes they have been installed/maintained in accordance with the supplied manuals.)
- Our standard products offer a quality Alkaline battery for maximum life, and the alarm unit itself enjoys a **6 year guarantee**.



SMK23: A surface pattress for retrofit projects typically. Entry via surface cabling/mini trunking through side knockouts or via rear.

SMK23R: As above but with built-in switchable relay (will not function without live mains supply). For operating remote devices such as: door closers, warning lights or signalling to Warden control systems.

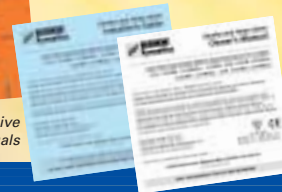
Informative, colourful packaging



Dust Cover included

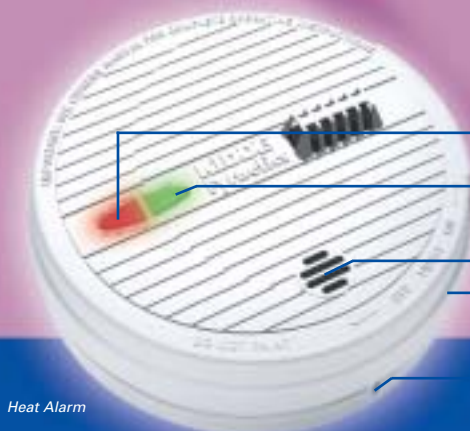


Comprehensive Manuals



Features

- 10 Year guarantees on Long Life AC models, 6 Year guarantees on others.**
- Twin, easy to see and use test/hush buttons.
- All AC models with Red and Green LEDs (indicating healthy AC and alarm state).
- 85db alarm sounder at 3m.
- Neat slimline design
- Auto reset after triggering (resets after smoke etc. has cleared).
- Locking pin. Deters unauthorised removal.
- Can be installed using standard round and square dry lining boxes.
- On loose battery models, drawer cannot shut or alarm cannot be mounted on it's base if battery is missing. Discourages tampering or borrowing of battery within.
- Interconnectable (12 on DC, 24 on AC)
- Plug in cable harness.
- Dust cover supplied, prevents dust ingress by construction trades.
- 2 separate easy to follow manuals (1 for User, 1 for Installer).
- 30 day low battery warning.



Heat Alarm

KIDDE Fyrnetics Hard Wired Residential Smoke and Heat Alarms

Install with confidence from the World leader in fire detection and suppression products



 Kidde Fyrnetics

From aerospace technology to the home

Model No.	Alarm Type	AC Power	DC Power	LL DC Power	Unit Guarantee	Battery Guarantee	BS5839 Pt6. 1995	Hush Button	Interconnect x12	Interconnect x24
123/9HILL	Ionisation	✓	–	✓	10 Years	10 Years	Grade D	✓	–	✓
123/9HI	Ionisation	✓	✓	–	6 Years	–	Grade D	✓	–	✓
123I	Ionisation	✓	–	–	6 Years	–	Grade E	–	–	✓
223/9HILL	Optical	✓	–	✓	10 Years	10 Years	Grade D	✓	–	✓
223/9HI	Optical	✓	✓	–	6 Years	–	Grade D	✓	–	✓
223I	Optical	✓	–	–	6 Years	–	Grade E	–	–	✓
323/9HILL	Heat	✓	–	✓	10 Years	10 Years	Grade D	✓	–	✓
323/9HI	Heat	✓	✓	–	6 Years	–	Grade D	✓	–	✓
19HILL	Ionisation	–	–	✓	5 Years	5 Years	Grade F	✓	✓	–
19HI	Ionisation	–	✓	–	5 Years	–	Grade F	✓	✓	–
29ILL	Optical	–	–	✓	5 Years	5 Years	Grade F	–	✓	–
29I	Optical	–	✓	–	5 Years	–	Grade F	–	✓	–
Pattress										
SMK23	Retrofit	–	–	–	–	–	–	–	–	–
SMK23R	Retrofit/Relay	Max loading 8A 24V DC – 250V AC, pulse switchable.								

Types of Smoke Alarm/Siting

Ionisation Alarms (also known as ION):

- Using the ionisation principle these are best for fast flaming fires. React to small particles that are often invisible to the human eye e.g. polyurethane foam, as used in older furniture. More prone to nuisance alarm from steam/invisible cooking particles that may be generated if located too close to kitchens for example.

Optical Alarms (Photo Electric):

- Increasingly popular because of their better resistance to nuisance alarms than ION types.
- Best suited to slow smouldering fires such as PVC cabling/foam filled furniture/bedding material.

Heat Alarms:

- This is a relatively new product for domestic residences and must only ever be installed alongside compatible smoke alarms. The new Building Regulations applicable from July 2000 require most homes to have them fitted in the kitchen area. This is the source of most domestic fires, but due to steam and cooking particles is unsuitable for smoke alarms.



Sealed In DC Smoke Alarms:

- Our sealed in DC range is for use where funds do not permit installation of hard wired product.

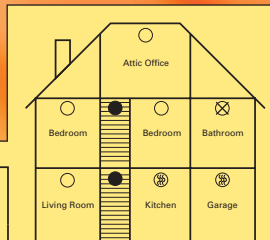
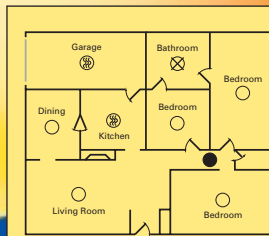
Carbon Monoxide (CO) Alarms:

Ask for details of our KIDDE Nighthawk CO alarms in AC and DC options.

KIDDE's Nighthawk CO alarm brand, is No 1 in the US, a country with a far higher level of CO alarm penetration than in the UK; indeed many areas there make the fitting of them mandatory.



Lic No: 7861
BS 5446: Pt. 1: 1990/2000
BS 5446: Pt. 1: 2000 (200 series)



- Heat Alarm
- Ion Alarm
- Optical Alarm
- Do not fit

Who are KIDDE?

KIDDE is the largest manufacturer of fire suppression and detection systems in the World.

KIDDE Worldwide works closely with regulatory bodies, fire services, national and local governments etc. to ensure that we can provide our experience and input as new legislation is developed. In the UK we work closely with many

Fire Brigades with whom we share a common interest in reducing injuries and deaths from residential fires.

Many Fire engines in the UK carry our logo, as part of our ongoing commitment to partnership development with the Fire Service.



KIDDE Support Vehicle for 1999 Thrust World Land speed Record



Summary

Though we are new to this specific sector we have a well established pedigree in engineered products for fire safety.

In the demanding US market we are No 2 in the Trade marketplace and we will "Try harder".



KIDDE Quality

KIDDEs Smoke and Heat alarms are made in their own ISO approved factories, ensuring we can provide optimum quality at competitive pricing.

All our Smoke and CO alarms are BS Kite marked.

Random spot checks by BSI Inspectors ensure that quality and consistency is assured.

Availability and Support

Available through selected electrical wholesalers nationwide.

Supported by a national team providing local support.



Slick Rechargeable 10 Year Range

Ask for our separate brochure or visit our website.

Demanding applications for KIDDE's fire detection/suppression products

Distributor:



KIDDE Safety Europe, Mathisen Way, Colnbrook, SL3 0HB, UK.
Tel: 01753 685148 Fax: 01753 685096
e-mail: kiddefyr@ukgateway.net
www.kiddefyrnetics.co.uk

Kidde Fyrnetics

From aerospace technology to the home