

3.8 Smoke Detectors

PRODUCT

FIREX

KF10

Mains Ionisation Smoke Alarm



DESCRIPTION

Mains-powered ionisation smoke alarm that can be interlinked with up to 23 other Kidde mains alarms, be they ionisation, optical or heat. Once interlinked, the detection of the relevant danger by an individual unit will sound across all the connected alarms.

KEY FEATURES



- **Interlink with up to 23 Firex hard-wired alarms** – all alarms sound if danger is detected
- **Alarm memory** – identifies source unit within interconnecting network
- **Reduced energy consumption** – lower lifetime running costs
- **Combined Test/Hush™ button** allows regular testing of alarm function and can be used to temporarily silence nuisance alarms
- **Auto reset** after activation
- **Tamper-resistant locking device** – prevents unauthorised removal without the use of a tool
- **Mains operation** – 9V Alkaline back-up battery supplied as standard

WHERE TO USE

Ionisation alarms are for use in areas where there is danger from fast-flaming fires. This mains-powered unit complies with UK Building Regulations for new housing and associated standards (Grade D BS 5839, Part 6) and should be installed by a qualified electrician. It can be used throughout the home, except in the kitchen where a Firex Heat Alarm is recommended.

GENERAL FEATURES

Model	KF10
Power Supply	230V mains-powered with 9V Alkaline battery back-up
Temperature Range	0°C to + 40°C
Humidity Range	Up to 93% Relative Humidity (RH) non-condensing
Storage and Transport	-20°C to +60°C and 5–95% relative humidity (RH) non-condensing
Alarm Dimensions	127 x 127 x 39mm
Bracket Dimensions	133 x 133 x 6mm
Alarm Weight	231g
Warranty	6 years
Approvals	BSI certified to BS EN14604:2005 CE tested and certified



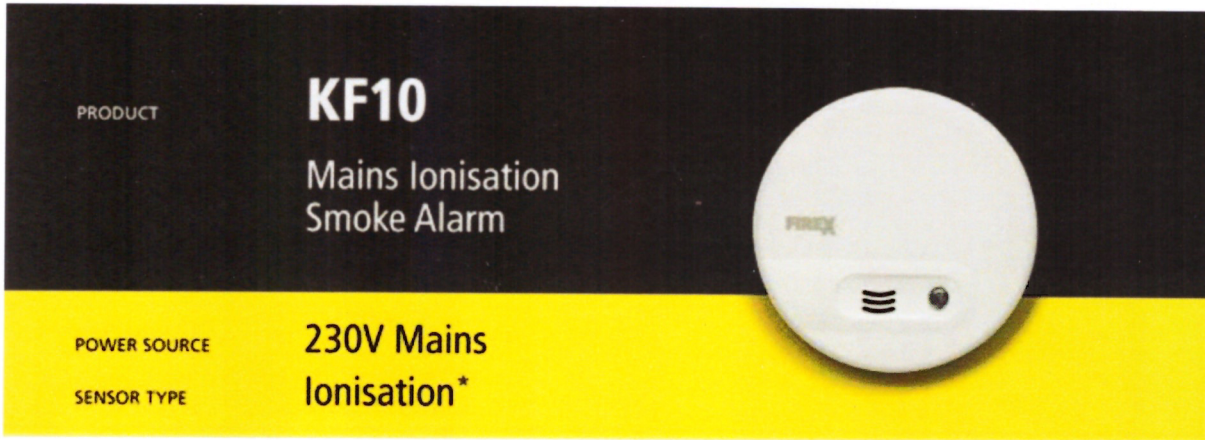
EN14604:2005
Licence no: KMS24754



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For more information or to contact Kidde Sales:
01753 766 392 kiddesafetyeurope.co.uk

MAINS SMOKE ALARMS
SHEET 08 / 2015



PRODUCT

KF10

Mains Ionisation
Smoke Alarm

POWER SOURCE

230V Mains

SENSOR TYPE

Ionisation*

TECHNICAL SPECIFICATION

Sensor	Ionisation, circular metal chamber with 24-slot entry portals
Source	Americium 241 (<1.0 microcurie, 37kBq)
Button Test	Simulates the effect of smoke within the sensing chamber, checks electronics and sounder
Automatic Self-test	Circuitry is tested and unit beeps (chirps) if fault is detected
Supply Voltage	230V AC, 50 Hz (nominal UK voltage)
Power Consumption	< 15mA
Connection	Push-in/snap-fit type connector with 150mm long flying leads (supplied)
Battery Back-up	User-replaceable alkaline 9V battery (522/6LR61)
Power-on Indicator	Continuous green LED
Alarm Sounder	Electronic piezo-electric sounder (T3 pattern sound - three pulses - space - three pulses)
Sound Output	85dB (A) minimum at 3 metres
Alarm Frequency	3.2 kHz typical
Dust Protection	In-built foam gasket in rear of alarm to prevent dust ingress into rear of the alarm
Alarm Status	Red LED flashes approx once every five minutes = normal operation Red LED flashes once a second = sensing smoke (sounder alarm sounds) Red LED flashes once every ten seconds = in hush condition (auto-reset after 15 minutes)
Interconnection	Up to 24 Firex and Kidde 'Slick' units (smoke, heat and CO) can be hardwire interconnected with optional control (see below)
Optional Controls	Wired Remote Test and Hush Unit (REMTH) allows test and hush of interlinked units
Optional Pattresses	SMK23RU also has integral switchable relay for operating remote devices SMK4896 – Surface mounting base for added ease of installation
Fixing	Mounting bracket ring supplied with two 'T' slot fitting option 57mm spacing to a maximum of 90mm for standard screw fittings on back boxes Bracket has 50mm diameter central access hole for cabling
Plastics used	NORYL – Cover, main body and mounting bracket
Lead-Free Status	All Firex alarms are lead-free

PACKAGED SPECIFICATION



* This product is designed to detect products of combustion using ionisation technology. This product contains 0.9 microcurie of Americium 241, a radioactive material.

	BOX	
Order Code	KF10	
Pack Dimensions	135 x 135 x 50mm	
Pack Weight	290g	
UPC Barcode	0-047871-259687	
Case Quantity	6	
Case Dimensions	145 x 280 x 160mm	
Case Weight	1.8Kg	
ITF Outer Code	100-47871-259684	

MAINS SMOKE ALARMS SHEET 08 / 2015

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PRODUCT **KF30**
Mains Heat Alarm

DESCRIPTION Mains-powered heat alarm that can be interlinked with up to 23 other Kidde mains alarms, be they ionisation, optical or heat. Once interlinked, the detection of the relevant danger by an individual unit will sound across all the connected alarms.

KEY FEATURES



- **Interlink with up to 23 Firex hard-wired alarms** – all alarms sound if danger is detected
- **Alarm memory** – identifies source unit within interconnecting network
- **Reduced energy consumption** – lower lifetime running costs
- **Combined Test/Hush™ button** allows regular testing of alarm function and can be used to temporarily silence nuisance alarms
- **Auto reset** after activation
- **Tamper-resistant locking device** – prevents unauthorised removal without the use of a tool
- **Mains operation** – 9V Alkaline back-up battery supplied as standard

WHERE TO USE

Mains-powered heat alarms can be used throughout the home in humid or dusty environments where an optical or ionisation smoke alarm is unsuitable, e.g. kitchens, loft spaces and garages. The Firex range requires installation by a professionally qualified electrician and complies with UK Building Regulations for new housing and associated standards (Grade D BS 5839, Part 6).

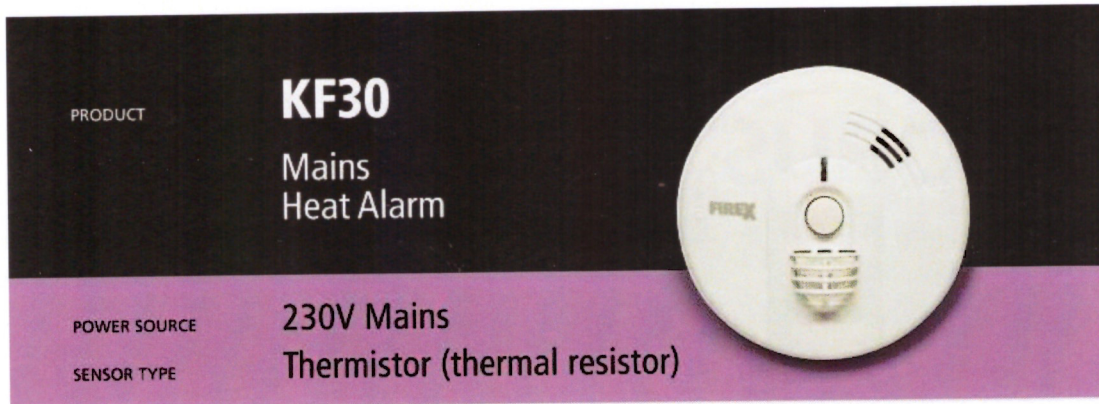
GENERAL FEATURES

Model	KF30
Power Supply	230V mains-powered with 9V Alkaline battery back-up
Temperature Range	0°C to + 40°C
Humidity Range	Up to 93% Relative Humidity (RH) non-condensing
Storage and Transport	-20°C to +60°C and 5–95% relative humidity (RH) non-condensing
Bracket Dimensions	127 x 127 x 39mm
Alarm Dimensions	133 x 133 x 6mm
Alarm Weight	213g
Warranty	6 years
Approvals	BSI certified to BS5446 Part 2: 2003 CE tested and certified



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MAINS SMOKE ALARMS
SHEET 12 / 2015



TECHNICAL SPECIFICATION

Sensor	Thermistor (Thermal Resistor) within detection unit
Button Test	Simulates the effect of heat at the sensor, checks electronics and sounder
Automatic Self-test	Circuitry is tested and unit beeps (chirps) if fault is detected
Supply Voltage	230V AC, 50 Hz (nominal UK voltage)
Power Consumption	< 15mA
Connection	Push-in/snap-fit type connector with 150mm long flying leads (supplied)
Battery Back-up	User replaceable alkaline 9V battery (522/6LR61)
Power-on Indicator	Continuous green LED
Alarm Sounder	Electronic piezo-electric sounder (T3 pattern sound - three pulses - space - three pulses) with soldered contacts
Sound Output	85dB (A) minimum at 3 metres
Alarm Frequency	3.2 kHz typical
Alarm Status	Red LED flashes approx once every five minutes = normal operation Red LED flashes once a second = sensing heat in excess of 58°C (sounder alarm sounds)
Interconnection	Up to 24 Firex and Kidde 'Slick' units (smoke, heat and CO) can be hardwire interconnected with optional control (see below)
Optional Controls	Wired Remote Test and Hush Unit (REMTH) allows test and hush of interlinked units
Optional Patresses	SMK23RU also has integral switchable relay for operating remote devices SMK4896 – Surface mounting base for added ease of installation
Fixing	Mounting bracket ring supplied with two 'T' slot fitting option 57mm spacing to a maximum of 90mm for standard screw fittings on back boxes Bracket has 50mm diameter central access hole for cabling
Plastics used	NORYL – Cover, main body and mounting bracket
Lead-Free Status	All Firex alarms are lead-free

PACKAGED SPECIFICATION

	BOX
Order Code	KF30
Pack Dimensions	135 x 135 x 68mm
Pack Weight	300g
UPC Barcode	0-047871-259748
Case Quantity	6
Case Dimensions	140 x 415 x 145mm
Case Weight	1.9Kg
ITF Outer Code	100-47871-259745



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SHEET 12 / 2015

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