

## PRODUCT

# Mains Optical Smoke Alarm

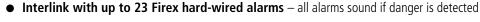
**KF20** 

### DESCRIPTION

Mains-powered optical 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.

Reduced energy consumption – lower lifetime running costs Dust compensation and bug screen – reduces nuisance alarms

#### **KEY FEATURES**





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- Alarm memory identifies source unit within interconnecting network
- 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

Optical alarms are for use in escape or circulation routes and in areas where there is a danger of ignition of furniture and surroundings by cigarettes producing slow, smouldering fires. This mains-powered unit should be installed by a qualified electrician and can be used throughout the home, except in the kitchen where a Firex Heat Alarm is recommended. These alarms comply with UK Building Regulations for new housing and associated standards (Grade D BS 5839, Part 6).

GENERAL FEATURES	Model	KF20
	Power Supply	230V mains-powered with 9V Alkailine 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	242g
	Warranty	6 years
	Approvals	BSI certified to BS EN14604:2005
		CE tested and certified EN14604:2005 0086-CPD-535595 Licence no: KM524754 15
		EN14604:2005

For more information or to contact Kidde Sales: 01753 766 392 kiddesafetyeurope.co.uk MAINS SMOKE ALARMS SHEET 10 / 2015

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# POWER SOURCE

SENSOR TYPE

# 230V Mains Optical

### TECHNICAL SPECIFICATION

Sensor	Optical, circular lateral chamber with insect-resistant width slot entry portals and added bug screen mesh
Chamber Size	35mm outside diameter x 16mm depth approximate (external)
<b>Detection Band</b>	Infrared light wavelength
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)
<b>Power Consumption</b>	< 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 - 3 pulses - space - 3 pulses), soldered contacts
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 <b>'Slick'</b> units (smoke, heat and CO) can be hardwire interconnected with optional control (see below)
<b>Optional Controls</b>	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

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FIREX

## PACKAGED SPECIFICATION

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Order Code	KF20
Pack Dimensions	135 x 135 x 50mm
Pack Weight	310g
UPC Barcode	0-047871-259717
Case Quantity	6
Case Dimensions	145 x 280 x 160mm
Case Weight	2.0Kg
ITF Outer Code	100-47871-259714

01753 766 392 kiddesafetyeurope.co.uk