KIDDE™

6 YEAR WARRANTY

OPTICAL SMOKE ALARM

MAINS-POWERED | MODEL FIREX KF20

INTERLINKED ALARM WILL SOUND ACROSS ALL CONNECTED ALARMS IF RELEVANT DANGER IS DETECTED

Overview & Key Features

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.

- Interlink with up to 23 Firex hard-wired alarms – all alarms sound if danger is detected
- Alarm memory identifies source unit within interconnecting network
- Dust compensation and bug screen reduces nuisance alarms
- 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 with 9V alkaline back-up battery supplied as standard
- 6-year manufacturer's warranty

Technical Specifications

General

Sensor Type:	Optical
Primary Power Supply:	230V mains-powered with 9V alkaline battery back-up
Sound Output Level	85dB (A) at 3 metres
Mounting Options	Ceiling or wall mounting recommended
Operating Temperature Range:	0°C to 40°C
Humidity Range:	Up to 93% RH (non-condensing)
Storage and Transport:	-20°C to 60°C, 5% to 95% RH (non-condensing)

Technical

Sensor:	Optical
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), 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

Technical (continued)

Alarm Status:	Red LED flashes approximately once every five minutes = normal operation
	Red LED flashes once a second = sensing smoke (sounder alarm sounds)
	Red LED flashes once every 10 seconds = in hush condition (auto-reset after 15 minutes)
Interconnection:	Up to 24 Firex and Kidde 'Slick' units (smoke, heat and CO) can be hardwired interconnected
Optional Pattresses:	SMK23RU also has integral switchable relay for operating remote devices
Fixing:	Mounting bracket ring supplied with two 'T' slot fitting option
	57mm spacing to a maximum of 90mm for standard screw fitting on back boxes
	Bracket has 50mm diameter center access hole for cabling

Weights and Dimensions

Alarm Dimensions:	127 x 41mm
Alarm Weight (including battery):	246g
Case Quantity:	6 units

Certifications/Approvals

BS EN14604:2005, CE
Manufactured to ISO9001 Standard

bsi
Smoke
Alarms
KITEMARK™
KM 738872
EN 14604:2005

CE

Warranty

6-year manufacturer's warranty

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