

# FIREX KF20

## Optical Smoke Alarm

### Mains-Powered

#### Overview

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.



#### 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
- **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** – 9V Alkaline back-up battery supplied as standard

#### 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)      |

# Smoke Alarm

## Battery-Powered

### Technical Specification

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|                     |   |
|---------------------|---|
| 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 - 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<br>Red LED flashes once a second = sensing smoke (sounder alarm sounds)<br>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  |
| Optional Pattresses | SMK23RU also has integral switchable relay for operating remote devices   |
| Fixing              | Mounting bracket ring supplied with two 'T' slot fitting option<br>57mm spacing to a maximum of 90mm for standard screw fittings on back boxes<br>Bracket has 50mm diameter central access hole for cabling                           |

### Weights and Dimensions

|                              |              |
|------------------------------|--------------|
| Alarm Dimensions             | 127mm x 39mm |
| Alarm Weight (w/o packaging) | 242g         |
| Case Quantity                | 6 units      |

### Certification / Approvals

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BS EN14604:2005, CE  
Manufactured to ISO9001 Standard

### Warranty

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6- Year manufacturer's warranty

