



# OPTICAL SMOKE ALARM WITH RECHARGEABLE BACK-UP BATTERY

**MAINS-POWERED | MODEL FIREX KF21R**



**QUICK-FIT  
SLIDE-ON BASE**

*Images are representative only. Actual product may vary slightly.*

**INTERLINKS WITH UP TO 23 KIDDE OR  
FIREX HARD-WIRED ALARMS; ALL UNITS  
SOUND WHEN DANGER IS DETECTED**

## Overview & Key Features

This Kidde mains-powered optical smoke alarm delivers reliable detection with the Quick-Fit Slide-On Base for fast, tool-free installation. Its flared base allows a neat retrofit, and integrated cable management keeps wiring secure and organised.

- Alarm memory identifies which unit was triggered
- Rechargeable back-up battery
- Dust compensation and insect screen minimize false alarms
- Test / Hush button for easy testing and temporary silencing
- Automatic reset after activation
- Tamper-resistant locking device prevents unauthorised removal
- Grade D1
- 10-year manufacturer's warranty

### Weights and Dimensions

<b>Alarm Dimensions:</b>	150mm x 53mm
<b>Alarm Weight (including battery):</b>	260g
<b>Case Quantity:</b>	6 units

### Certifications/Approvals

**BS EN14604:2005+AC:2008**



KM 738872  
EN 14604:2005+AC:2008

### Warranty

**10-year manufacturer's warranty**

## Technical Specifications

<b>Sensor Type:</b>	Optical
<b>Primary Power Supply:</b>	230V AC, 50Hz with with rechargeable lithium battery back-up*
<b>Mounting Options:</b>	Ceiling or wall mounting
<b>Operating Temperature Range:</b>	-10 °C to 40 °C
<b>Humidity Range:</b>	Up to 93% RH (non-condensing)
<b>Storage and Transport:</b>	-20 °C to 60 °C, 5% to 95% RH (non-condensing)
<b>Button Test:</b>	Simulates the effect of smoke within the sensing chamber, checks electronics and sounder
<b>Connection:</b>	Wired Quick-Fit Installation Base – no need for a separate pattress
<b>Alarm Sounder:</b>	Piezoelectric sounder (T3 pattern sound: three pulses - space - three pulses), soldered contacts
<b>Sound Output:</b>	85dB (A) minimum at 3 metres
<b>Alarm Frequency:</b>	3.2 kHz typical
<b>Interconnection:</b>	Up to 24 Kidde and FIREX units (smoke, heat and CO) can be hardwired interconnected
<b>Fixing:</b>	Mounting bracket supplied with two 'T' slot fitting option; 57mm spacing to a maximum of 90mm for standard screw fitting on back boxes

\* Designed to power the alarm in the event of a power cut, not for continuous operation