FIREX®

PRODUCT

KF10R

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

ENERGY • 70% • SAVING

* compared to previous Firex 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
- **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** – Built-in rechargeable Lithium back-up tamper-proof battery

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	**KF10R**
Power Supply	**230V mains-powered with rechargeable Lithium battery back-up**
Temperature Range	**0ºC to + 40ºC**
Humidity Range	**Up to 93% Relative Humidity (RH) non-condensing**
Storage and Transport	**-20ºC to +60ºC and 5–95% relative humidity (RH) non-condensing**
Alarm Dimensions	**185 x 185 x 40mm**
Bracket Dimensions	**133 x 133 x 6mm**
Alarm Weight	**199g**
Warranty	**6 years (including battery)**
Approvals	**BSI certified to BS EN14604:2005**
	CE tested and certified

BSI
EN14604:2005
Licence no: KM524754

CE
0086-CPD-535595
15
EN14604:2005

KF10R

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	Non user-replaceable 3 x 3V rechargeable Vanadium Pentoxide Lithium cells (VL2330)
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
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	**KF10R**
Pack Dimensions	**135 x 135 x 50mm**
Pack Weight	**270g**
UPC Barcode	**0-047871-259700**
Case Quantity	**6**
Case Dimensions	**145 x 280 x 160mm**
Case Weight	**1.7Kg**
ITF Outer Code	**100-47871-259707**

For more information or to contact Kidde Sales:

01753 766 392   kiddesafetyeurope.co.uk