



# Datasheet for Models:

## KF3R

## KF3

The new-look, cost-effective Firex cable-harness range of smoke and heat alarms – manufactured and supplied by Kidde, with the reassurance of a leading global manufacturer.



Lic No: 503753  
BS 5446: Pt. 2: 2003

### Kidde Firex – 2012 model numbers

(previous models in brackets)

| Back-up type     | Sealed-in rechargeable | Loose battery |
|------------------|------------------------|---------------|
| Alarm type       |                        |               |
| Ionisation smoke | KF1R (4881)            | KF1 (4870)    |
| Optical smoke    | KF2R (4985)            | KF2 (4973)    |
| Heat             | KF3R (4892)            | KF3 (4899)    |

## 230V Mains Heat Alarms

### Key Features

Firex hard-wired smoke and heat alarms all have a full 6-year guarantee and are BSi Kitemarked to reinforce the consistent quality provided by the world's largest manufacturer.

- Single 'Hush' and 'Test' button
- Choice of sealed-in rechargeable (three Panasonic lithium cells) or loose battery back-up ranges
- Supplied with base-plate

### Applications

Both models are mains powered (for professional installation) with back-up power, complying with current minimum requirements of the relevant Building Regulations for new housing, i.e. Grade D (BS5839, Part 6).

Heat Alarms are for use in humid or dusty environments where smoke alarms will not operate satisfactorily, such as kitchens, boiler rooms, unconverted attics and garages.

They are triggered when the ambient temperature reaches 57°C and must always be interconnected with smoke alarms from the same product range.

### Technical Specification

|                            |  |
|----------------------------|--|
| <b>Sensor</b>              | Thermistor (Thermal resistor) within detection unit  |
| <b>Certification</b>       | BSi Kitemarked to BS 5446 Pt 2. 2003, as a Class A2 device   |
| <b>Button Test</b>         | Simulates the effect of heat at the sensor, checks electronics and sounder   |
| <b>Automatic Self-Test</b> | Circuitry is tested and unit single beeps (chirps) if fault is detected  |
| <b>Supply Voltage</b>      | 230V AC, 50Hz (nominal UK Voltage)   |
| <b>Power Consumption</b>   | Typical 50mA   |
| <b>Connection</b>          | Push fit/snap in grip type connector with 150mm long flying leads (supplied)   |
| <b>Battery back-up</b>     | (Model KF3) 1 off 9 Volt Alkaline Battery 522/6LR61 (User Replaceable)<br>(Model KF3R) 3 off 3 Volt Rechargeable Lithium Cells Panasonic UL2330 (User Non replaceable) |
| <b>Power-On Indicator</b>  | Continuous green LED showing mains power present   |

# Models KF3R and KF3

## 230V Mains Heat Alarms



### Technical Specification (cont)

|   |   |
|---|---|
| <b>Alarm</b>                              | Electronic Piezoelectric sounder, providing sound – three pulses; space; three pulses – in alarm state  |
| <b>Alarm Sound Output</b>                 | 85dB (A) (minimum) at 3m  |
| <b>Alarm Frequency</b>                    | 3.2 kHz typical   |
| <b>Alarm Status</b>                       | Red LED flashes approximately once a minute showing normal operation<br>Red LED flashes once a second when sensing heat in excess of 58°C (sounder alarm sounds)<br>RED LED off another smoke/heat alarm in an interconnected system has sensed smoke and is signalling an alarm  |
| <b>Normal Operating Temperature Range</b> | 0 to 40°C   |
| <b>Humidity Range</b>                     | Up to 93% Relative Humidity (RH)  |
| <b>Interconnect</b>                       | Up to 24 of these units can be interconnected:<br>- KF1R, KF1, KF2R, KF2, KF3R, KF3<br>- 1SFw, 1SFWR, 2SFw, 2SFWR, 3SFw, 3SFWR  |
| <b>Interconnect Options</b>               | Connectable as hard-wire interconnected system (up to 24 units as 'interconnect' detail above) Note: Firex may be connected to Kidde Fyrnetics Slick® alarms. See user manuals downloadable from <a href="http://www.smoke-alarms.co.uk">www.smoke-alarms.co.uk</a><br>Use with optional remote control (see below)   |
| <b>Optional Controls</b>                  | REMTH Wired Remote Test and Hush Unit allows test and hush of units interlinked as a system   |
| <b>Optional Surface Pattresses</b>        | SMK23U allows for surface conduit installations, such as retrofit. SMK23RU as above but with integral switchable relay for operating remote devices. Requires a live mains supply to function. SMK23RU relay base with voltage free relay contacts rated at 8A 24VDC, 8A 250Vac (resistive load), (relay for signalling/switching to/of devices other than the smoke or heat alarms)<br>132mm diameter x 20mm depth |
| <b>Fixing</b>                             | Mounting bracket ring supplied with two 'T' slot fitting option 57mm spacing to max of 90mm for standard screw fittings on back boxes<br>Bracket has central access hole of 50mm diameter for cabling   |
| <b>Plastics used</b>                      | NORYL, Cover, main body and mounting bracket  |
| <b>Dimensions</b>                         | 127mm diameter x 39mm depth (including mounting bracket)  |
| <b>Dimensions (Mounting Bracket)</b>      | 133mm diameter, 9mm max depth typical   |
| <b>Weight</b>                             | KF3 unit out of box – 213 grams<br>KF3 unit in single box – 308 grams<br>KF3R unit out of box – 180 grams<br>KF3R unit in single box – 279 grams  |
| <b>Guarantee</b>                          | 6 years (including the battery on model KF3R)   |
| <b>BS 5839 Category</b>                   | BS 5839 Part 6 Grade D<br>BS 5839 part 6 Grade C when used with the REMTH unit giving some elements of a central control  |

Specifications are subject to variation by improvement and change



Wired Remote Test and Hush Unit



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Kidde reserves the right to alter its products and specifications without notice in line with best practice and continuous improvement.