

## NEW SLICK® range

Developed specifically for social and private housing, Slick® is the only range of fast-fit rechargeable ionisation and optical smoke alarms, and heat alarms guaranteed for 10 years. All Slick® alarms are BSi Kitemarked to reinforce the consistent quality provided by the world's largest manufacturer.



Lic No: KM524754  
BS EN 14604: 2005



## 230V Mains Fast-Fit Optical Smoke Alarms

**2SFWR** – with rechargeable Lithium cell back-up and full 10-year guarantee.

**2SFW** – with Duracell loose alkaline battery back-up and 6-year guarantee.

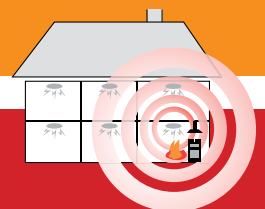
### Key Features

- 'Wireless Capability' enabling use with Kidde Fyrnetics new Wireless Alarm Base (Model: **RF-SFTP**), for wire-free interconnection.
- Compatible with Kidde Fyrnetics new Remote Test & Hush switch (Model: **KN-RTH-RF**) via the Wireless Alarm Base.
  - Integral, double-decker screwless terminal block for fast, push-fit connection.
  - Unique fast-fit system with separate base plate, enabling fitting after construction and removal for maintenance.
  - Auto resets after activation.
  - Separate Hush & Test buttons for ease of use.
  - Green & Red LED's to indicate alarm status.
  - Interlinkable with Slick® or Firex hard-wired smoke & heat alarms.
  - Can be added to existing Slick® or Firex installations.
  - Interlinkable with Kidde hard-wired CO alarms using 'Smart Interconnect' technology.
- Up to 6 months continuous operation from back-up cells, in the event of mains failure.
- 30 days low battery warning indicator.

### 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).

Optical Smoke Alarms are for use in escape and circulation routes and in areas where there is danger of ignition of furniture and surroundings by cigarettes. They are best suited to slow, smouldering fires such as PVC cabling, foam-filled furniture or bedding material. They are less prone to nuisance alarms than Ionisation alarms from cooking particles and steam near kitchens.



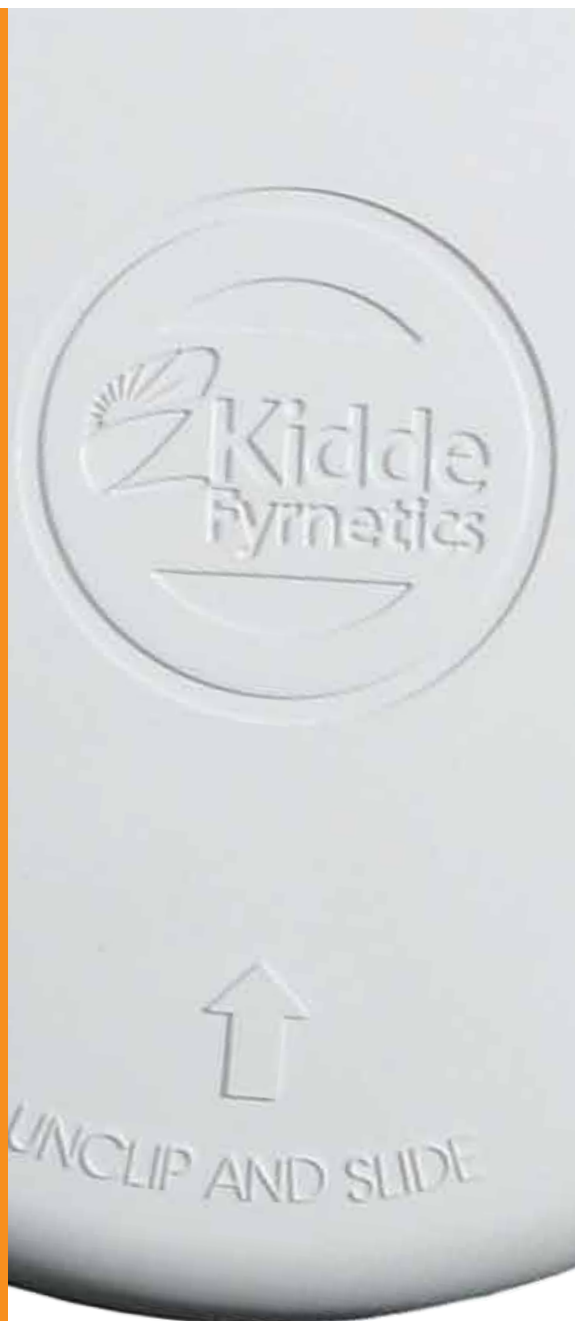
## Models 2SFWR and 2SFW

# 230V Mains Fast-Fit Optical Smoke Alarms



## Technical Specification

|                                           |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensor</b>                             | Optical chamber with insect resistant width slot entry inlet portals                                                                                                                                                                                                                                                                                                               |
| <b>Chamber Size</b>                       | 41mm outside diameter x 16mm approximate depth (external)                                                                                                                                                                                                                                                                                                                          |
| <b>Sensitivity</b>                        | Complies with BS EN 14604: 2005                                                                                                                                                                                                                                                                                                                                                    |
| <b>Detection Band</b>                     | Infrared light wavelength                                                                                                                                                                                                                                                                                                                                                          |
| <b>Button Test</b>                        | Simulates the effect of smoke within the sensing chamber, checks electronics and sounder                                                                                                                                                                                                                                                                                           |
| <b>Automatic Self-Test</b>                | Circuitry is tested every 40 seconds and unit beeps if fault is detected                                                                                                                                                                                                                                                                                                           |
| <b>Supply Voltage</b>                     | 230V AC, 50Hz (nominal UK Voltage)                                                                                                                                                                                                                                                                                                                                                 |
| <b>Power Consumption</b>                  | Maximum 80mA                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Battery back-up</b>                    | Four, in-built Lithium rechargeable cells (Model 2SFWR)<br>User replaceable Alkaline Battery 9 Volt MX1604 (Model 2SFW)                                                                                                                                                                                                                                                            |
| <b>Battery Monitoring</b>                 | Battery is monitored and unit emits a single chirp beep every 40 seconds if a fault is present                                                                                                                                                                                                                                                                                     |
| <b>Power-On Indicator</b>                 | Continuous green LED                                                                                                                                                                                                                                                                                                                                                               |
| <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 rapidly indicating unit sensing fire event, rate typically once every two/three seconds<br>Red LED flashes once every ten seconds to indicate in hush condition, auto reset after seven minutes                                                                                                                                                                    |
| <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>- 1 SFW, 1SFWR, 2SFW, 2SFWR smoke alarms<br>- 3SFW, 3SFWR heat alarms<br>- 423/9HIR, 423D/9HIR CO alarm (hard-wire, non-Slick® base)<br>- relay base                                                                                                                                                                             |
| <b>Interconnect Options</b>               | Wireless Compatible Using appropriate Wireless Base<br>- Connectable via Wireless Base Model RF-SFTP (up to 15 units)<br>- Connectable as hardwire as 'SMART®' interconnect system (up to 24 units as 'interconnect' detail above). See user manuals downloadable from <a href="http://www.smoke-alarms.co.uk">www.smoke-alarms.co.uk</a><br>Use with optional control (see below) |
| <b>Optional Controls</b>                  | With the KN-RTH-RF Wireless Base Remote Test and Hush Unit, when used with the RF-SFTP Wireless alarm base                                                                                                                                                                                                                                                                         |
| <b>Fixing</b>                             | Slick mounting base as supplied (deep base)                                                                                                                                                                                                                                                                                                                                        |
| <b>Base Cable Connections</b>             | Screwless Terminal Block with slot release feature for conductors                                                                                                                                                                                                                                                                                                                  |
| <b>Dimensions</b>                         | 135mm diameter x 60mm depth (with Slick® mounting base)                                                                                                                                                                                                                                                                                                                            |
| <b>Guarantee</b>                          | 10-years including the battery back-up (Model 2SFWR)<br>6-years excluding battery (Model 2SFW)                                                                                                                                                                                                                                                                                     |
| <b>Approvals</b>                          | Kitemarked to BSEN 14604:2005<br>(Licence no. KM524754) and CE tested and certified                                                                                                                                                                                                                                                                                                |
| <b>Associated Standards</b>               | BS 5839 Part 6 Grade D                                                                                                                                                                                                                                                                                                                                                             |



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