



PRODUCT

# 2SFW

## Optical Smoke Alarm with wireless capability

DESCRIPTION



Mains-powered optical smoke alarm from the 'Slick' range of fast-fit alarms that can be interconnected with up to 23 other Kidde and Firex mains alarms. Optional wireless capability using Wireless Alarm Base (RF-SFTP) for wire-free interconnection.

KEY FEATURES

- **Unique fast-fit system** with separate base plate, for ease of fitting and maintenance
- **Integral, double-decker screwless terminal block** for fast, push-fit connection
- **Auto reset** after activation
- **Separate Test and Hush™ buttons** to test and temporarily silence nuisance alarms
- **Alkaline back-up battery** provides continuous operation in the event of mains failure
- **Interconnectable** with other Kidde mains smoke and heat alarms and Kidde mains CO alarms using 'Smart Interconnect' technology
- **Tamper-resistant locking device** – prevents unauthorised removal without the use of a tool
- **Wireless capability** – use with optional Wireless Alarm Base (RF-SFTP) for RF interlink function
- **Deep Base** – allows easier wiring

WHERE TO USE

Optical alarms are for use in escape or circulation routes and in areas where there is danger of ignition of furniture and surroundings by cigarettes producing slow, smouldering fires. The 'Slick' range requires installation by a professionally qualified electrician and complies with UK Building Regulations for new housing and associated standards (Grade D, BS5839, Part 6).

GENERAL FEATURES

|                       |   |
|-----------------------|---|
| Model                 | <b>2SFW</b>   |
| Power Supply          | <b>230V mains</b>   |
| Temperature Range     | <b>0°C to +40°C</b>   |
| Humidity Range        | <b>Up to 93% Relative Humidity (RH) non-condensing</b>                    |
| Storage and Transport | <b>-20°C to +60°C and 5–95% relative humidity (RH) non-condensing</b>     |
| Alarm Dimensions      | <b>135 x 135 x 60mm (including 'Slick' mounting base)</b>                 |
| Alarm Weight          | <b>280g</b>   |
| Warranty              | <b>6 years</b>  |
| Approvals             | <b>BSI certified to BS EN14604:2005</b><br><b>CE tested and certified</b> |
| Associated Standard   | <b>BS 5839 Part 6 Grade D</b>   |



EN14604: 2005  
Licence no: KMS24754

0086-CPD-535595

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POWER SOURCE

230V mains

SENSOR TYPE

Optical

### TECHNICAL SPECIFICATION

**Note:** Specifications are subject to variation by improvement and change

|                            |   |
|----------------------------|---|
| <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 EN14604:2005   |
| <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, 50 Hz (nominal UK voltage)   |
| <b>Power Consumption</b>   | Maximum 80mA  |
| <b>Battery Back-up</b>     | User-replaceable alkaline 9V battery (MX1604)   |
| <b>Battery Monitoring</b>  | Battery is monitored and unit emits a single chirp every 40 seconds if a fault is present   |
| <b>Low Battery Warning</b> | 30-day low battery indicator  |
| <b>Power-on Indicator</b>  | Continuous green LED  |
| <b>Alarm Sounder</b>       | Electronic piezo-electric sounder (T3 pattern sound - three pulses - space - three pulses)  |
| <b>Sound Output</b>        | 85dB (A) minimum at 3 metres  |
| <b>Alarm Frequency</b>     | 3.2 kHz typical   |
| <b>Alarm Status</b>        | Red LED flashes rapidly, typically once every 2/3 seconds = unit sensing a fire event<br>Red LED flashes once every 10 seconds = unit in hush condition, auto reset after 7 minutes<br>Red LED flashes once every 35 seconds = normal quiescent operation |
| <b>Interconnection</b>     | Up to 24 units (smoke, heat and CO) can be hardwire interconnected using SMART® interconnect system with optional control (see below)<br>Up to 15 units can be wireless interconnected using appropriate Wireless Base RF-SFTP                            |
| <b>Optional Controls</b>   | Wireless Base Remote Test and Hush Unit (KN-RTH-RF) when used with Wireless Base  |
| <b>Fixing</b>              | 'Slick' mounting deep base as supplied  |
| <b>Base Cable Connect.</b> | Screwless Terminal Block with slot release feature for conductors   |

### PACKAGED SPECIFICATION

|                 | <b>BOX</b>               |
|-----------------|--------------------------|
| Order Code      | <b>2SFW</b>              |
| Pack Dimensions | <b>142 x 142 x 65mm</b>  |
| Pack Weight     | <b>349g</b>              |
| UPC Barcode     | <b>00-25417-599992</b>   |
| Case Quantity   | <b>6</b>                 |
| Case Dimensions | <b>155 x 305 x 210mm</b> |
| Case Weight     | <b>2.3kg</b>             |
| ITF Outer Code  | <b>n/a</b>               |

