



PRODUCT

# 1SFW

## Ionisation Smoke Alarm with wireless capability

DESCRIPTION



Mains-powered ionisation 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 with latching LED allowing the initiating alarm to be identified
- **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

Ionisation alarms are for use in areas where there is danger from fast-flaming 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>1SFW</b>   |
| Power Supply          | <b>9V battery supplied as standard</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>                               |
|                       | <b>CE tested and certified</b>  |



EN14604: 2005  
Licence no: KMS24754



0086-CPD-535595

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POWER SOURCE

230V mains

SENSOR TYPE

Ionisation\*

TECHNICAL  
SPECIFICATION

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

|                            |  |
|----------------------------|--|
| <b>Sensor</b>              | Ionisation, metallic chamber with 24-slot entry inlet portals  |
| <b>Source</b>              | Americium 241 (<1.0 microcurie, 37kBq)   |
| <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 double flashes every 30 seconds = unit is triggering unit (press test button to unlatch)<br>Red LED flashes once every ten seconds = 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 conductor   |

PACKAGED  
SPECIFICATION

**BOX**

|                 |                          |
|-----------------|--------------------------|
| Order Code      | <b>1SFW</b>              |
| Pack Dimensions | <b>142 x 142 x 65mm</b>  |
| Pack Weight     | <b>320g</b>              |
| UPC Barcode     | <b>00-25417-899986</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>               |



\* This product is designed to detect products of combustion using ionisation technology. This product contains 0.9 microcurie of Americium 241, a radioactive material.