



Rechargeable sealed-in Lithium cell back-up version

PRODUCT

# 1SFWR

## 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
- **Sealed-in rechargeable Lithium cell** for 6 months continuous operation in 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
- **Tamper-proof batteries** – sealed-in to prevent removal

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	1SFWR
Power Supply	230V mains-powered with rechargeable sealed-in Lithium cell
Temperature Range	0°C to + 40°C
Humidity Range	Up to 93% Relative Humidity (RH) non-condensing
Storage and Transport	-20°C to +60°C and 5–95% relative humidity (RH) non-condensing
Alarm Dimensions	135 x 135 x 60mm (including 'Slick' mounting base)
Alarm Weight	247g
Warranty	10 years (including battery)
Approvals	BSI certified to BS EN14604:2005 CE tested and certified



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>	Non user-replaceable Lithium Polymer cell
<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 Red LED double flashes every 30 seconds = unit is triggering unit (press test button to unlatch) Red LED flashes once every ten seconds = in hush condition (auto-reset after 7 minutes) 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) 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

	<b>BOX</b>
Order Code	<b>1SFWR</b>
Pack Dimensions	<b>142 x 142 x 65mm</b>
Pack Weight	<b>330g</b>
UPC Barcode	<b>00-25417-899979</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.