

### KILSEN - FE630-3 Conventional Optical Smoke Detector

*Designed to provide an early response to a wide range of slow burning, smouldering fires the FE630-3 Optical Smoke Detector provides reliable sensing for most conventional fire alarm applications*

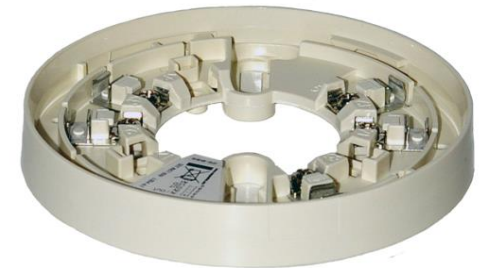
The detectors aesthetic design and proven stability in air conditioning systems have made it an ideal section for modern building interiors. The FE630-3 meets fully the sensitivity requirements of European Standard EN54 part 7 and is approved by several international approved bodies.

The detector operates on the light scatter principle making it effective in applications where fires producing large particle smoke can be expected.



#### Features & Benefits

- Complies with EN54 part 7
- Low profile conventional design
- Plug-in base with automatic locking
- Ideal in early response to a wide range of slow burning smouldering fire
- Special tool option for authorised removal
- Low profile conventional design for either surface or recess bases
- 2 wire system
- The FE630-3 detector can be monitored for removal by the control panel. When a detector is removed from its base, in addition to giving a fault signal, all devices down the line continue to function normally.



**F84101** Base available to use with Conventional Fixed High Temperature Detector

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Technical Specification	
<b>Specification</b>	EN54 part 7
<b>Sensitivity</b>	0.1 db/m
<b>Mounting</b>	Plugs into F84101 base
<b>Area coverage</b>	100m <sup>2</sup> subject to local codes
<b>Wiring</b>	2 wire zonal
<b>Monitoring</b>	E6-BS1 Open and short circuit by EOL resistor
<b>Indication</b>	Alarm red LED
<b>Detection principle</b>	Photo electric light scatter
<b>Operating voltage</b>	15 – 30 volts dc
<b>Current</b>	<60µA quiescent, max 50mA alarm (limited by panel)
<b>Application</b>	Indoor installation
<b>IP Rating</b>	IP32
<b>Temperature range</b>	-20°C to +70°C
<b>Humidity range</b>	20% to 95% RH (non condensing)
<b>EMC</b>	CE marked (EEC89/336)
<b>Material</b>	ABS
<b>Dimension</b>	106mm dia x 52mm high (excluding base)
<b>Height with base</b>	BS1 surface base – 60mm
<b>Colour</b>	White
<b>Weight</b>	100g without base

### High Operational Reliability

To ensure operational reliability all E630-3 detectors have mouldings constructed of ABS plastic, feature surface mount technology with all components coated, to seal against dust and moisture.

### Universal Plug-in Base

Great care has been taken to provide a detector that whilst reliable in operation is unobtrusive when installed. The low profile moulding has a high intensity, red indicator situated on the detector to provide a clear indication when the unit is alarmed.

For ease of removal the FE630-3 detector plugs into the F84101 base unit by a simple twist, locking into position. In order to prevent unauthorised removal, a site selectable option is provided to lock the detector into the base, once applied the unit can only be removed by means of a special tool.

When a detector is removed from its base, in addition to giving a fault signal, all devices down the line continue to function normally.

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