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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Hybrid Wireless Optical Smoke Sensor

Radio - Devices

Part No. EK-WL8-O

www.illuminoignis.co.uk

Product Details

The EK-WL8-O wireless optical smoke sensor is the latest in wireless smoke sensor technology. It is a fully intelligent device and compatible with the Ekho wireless Translator and Expander modules.

The sensor utilises optical smoke detection technologies and algorithms for improved performance, which can contribute to reducing unwanted alarms.

Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved.



Key Features

- Approved to EN54-7 & 25
- RED compliant
- Internal algorithm processing for optimal performance
- Tamper switch
- Up to 10 years battery life*
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Designed for use with Ekho Translator and Expander modules.

Technical Specifications

Operating frequency range	866 - 869.85 MHz	
Communication range (in open air)	1200 m	
Modulation type	GFSK	
Operating frequency channels	6	
Max. radiated power	≤ 25 mW	
Operating temperature range	- 10 °C to + 55 °C	
IP Rating	IP43	
Max. tolerated humidity (non condensing)	95% RH	
Dimensions (mm)	Ø 111 x H 57	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR2032)
	1.2 Ahr	0.24 Ahr
	Up to 10 years primary battery life*	8 months secondary battery life

Standards & Approvals

BS EN 54-7 Smoke Detectors
BS EN54-25: Components using radio links

CE LPCB RED 2014/53 EU

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