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

Hybrid Wireless Multi-Sensor

Radio - Devices

Part No. EK-WL8-OH

www.illuminoignis.co.uk

Product Details

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

The sensor combines both smoke and (A1R) heat detection technologies for improved performance, which can contribute to reducing unwanted alarms. Utilising well-proven adaptive radio signal processing algorithms ensures that the highest levels of life safety and system reliability are achieved.



Key Features

- Approved to EN54-5,7,25 & 29
- RED compliant
- Internal algorithm processing optimises 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 modes	Smoke only	A1R Heat only	Smoke and A1R Heat combined
Operating temperature range	- 10 °C to + 55 °C		
IP Rating	IP23		
Max. tolerated humidity	95% RH (non-condensing)		
Weight (g) / Dimensions (mm)	160 / Ø 111 x H 57		
Power supply (Dual 3V lithium batteries)	1 x Primacy cell (CR123A)	1 x Secondary cell (CR2032A)	
	1.2 Ahr	0.24 Ahr	
	Up to 10 years primary battery life*	3 months secondary battery life	

*Dependant on operational usage

Standards & Approvals

BS EN 54-5 Heat Point Detectors
BS EN 54-7 Smoke Detectors
BS EN54-25: Components using radio links
BS EN54-29: Multi-sensor fire detectors
CEA4021

CE LPCB RED 2014/53 EU

For further information visit our website.
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