



# EK-WL8-OS/AU

## Wireless Optical Smoke Detector with Built in Sounder

### Features

- ▶ Approved to AS ISO 7240 Parts 3, 7, & 25
- ▶ RED compliant
- ▶ Optical Combined Sounder
- ▶ Incorporated 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
- ▶ Compatible with all Ekho Translator/Expander modules.



### Description

The EK-WL8-OS/AU is a wireless optical smoke sensor that incorporates a internal sounder.

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.

### Specifications

Ordering code	EK-WL8-OS/AU	
Operating frequency range	918 - 926 MHz	
Communication range (in open air)	1200 m	
Modulation type	GFSK	
Operating frequency channels	6	
Max. radiated power	≤ 25 mW	
Sound pressure level @ 1m	>96 dB(A) for all modes	
Frequency range	500 - 3500 Hz	
IP Rating	43	
Operating temperature range	- 10 °C to + 55 °C	
Max. tolerated humidity	95% RH (non-condensing)	
Weight (g) / Dimensions (mm)	200 / ø 111 x H 65	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR123A)
	1.2 Ahr	1.2 Ahr
	8 - 10 years primary battery life*	8 months secondary battery life

### Standards & Approvals

AS ISO 7240-3: Sounders

AS ISO 7240-25: Components using radio links

AS ISO 7240-7 Smoke Detectors



\*Dependant on operational usage



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