

EK-WL8-OS

Hybrid Wireless Optical Smoke Sensor with Sounder

Features

- ▶ Approved to EN54-3, 7 & 25
- ▶ RED compliant
- ▶ 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 is a wireless optical smoke sensor that incorporates 4 selectable tones.

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.

Specifications

Ordering code	EK-WL8-OS	
Operating frequency range	866 - 869.5 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	
Sound pressure level at 1m	>96 dB(A) for all modes	
Max. tolerated humidity (non condensing)	95% RH (non-condensing)	
Dimensions (mm)	ø 111 x H 65	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Primary cell (CR123A)
	1.2 Ahr	1.2 Ahr
	Up to 10 years primary battery life*	8 months secondary battery life

Standards & Approvals

BS EN 54-3: Sounders

BS EN54-25: Components using radio links

BS EN 54-7 Smoke Detectors



*Dependant on operational usage



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