



EK-WL8-O

Hybrid Wireless Optical Smoke Sensor

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.



Description

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.

An in-built magnet test allows easy activation to verify correct functionality and response.

Specifications

Ordering code	EK-WL8-O	
Operating frequency range	868 - 870 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	
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



*Dependant on operational usage