

# ekho

## EK-WL8-OH

### Hybrid Wireless Multi-Sensor

#### 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.



#### Description

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.

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

#### Specifications

Ordering code	EK-WL8-OH		
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 modes	Smoke only	A1R Heat only	Smoke and A1R Heat combined
Operating temperature range	- 10 °C to + 55 °C		
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

#### Standards & Approvals

BS EN 54-5 Heat Point Detectors

BS EN54-29: Multi-sensor fire detectors

BS EN 54-7 Smoke Detectors

CEA4021

BS EN54-25: Components using radio links



\*Dependant on operational usage