Ekho
Hybrid Wireless

Your Safety Our Technology

EK-WL8-OV

Hybrid Wireless Optical Smoke Sensor with Built in Voice Annunciator and VAD

Features

- Approved to EN54-3, 7, 23 & 25
- RED compliant
- Voice Sounder and VAD 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
- Designed for use with Ekho Translator and Expander modules.

Description

The EK-WL8-OV is a wireless optical smoke sensor that incorporates a voice sounder and visual alarm device (VAD) with white LEDs and 0.5 Hz flash rate.

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-OV
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
Number of messages	3 (only one message can be played at any one time)
Sound pressure level @ 1m	›91 dB(A) for all messages
Frequency range	500 - 3500 Hz
VAD LED colour / Rating	White / C-3-7.5
Flash frequency	0.5 Hz
Operating temperature range	- 10 °C to + 55 °C
IP Rating	IP21
Max. tolerated humidity	95% RH (non-condensing)
Weight (g) / Dimensions (mm)	215 / ø 111 x H 74
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A) — 1 x Secondary cell (CR123A)

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	1 x Primary cell (CR123A)	1 x Secondary 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 EN 54-7 Smoke Detectors

BS EN 54-23: Visual Alarm Devices

BS EN54-25: Components using radio links

CE   LPCB   RED 2014/53 EU

*Dependant on operational usage

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