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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Hybrid Wireless A1R Heat Sensor with Sounder

Radio - Devices

Part No. EK-WL8-HS

www.illuminoignis.co.uk

Product Details

The EK-WL8-HS is a Wireless A1R Heat sensor that incorporates a four tone Sounder.

It is a fully intelligent device and compatible with the Ekho wireless Translator and Expander modules. The sensor is designed for installations where smoke detection technology is not suitable.

The well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved.



Key Features

- Approved to EN54-3, 5 and 25
- RED compliant
- Sounder Incorporated
- 6 selectable Tones *1
- Internal algorithm processing for optimal performance
- Tamper switch
- Up to 10 years battery life*2
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Compatible with Ekho Translator/ Expander modules.

Technical Specifications

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	
Sound pressure level at 1m	>96 dB(A) for all modes	
Class A1R	58 °C max.	
Operating temperature range	- 10 °C to + 55 °C	
Max. tolerated humidity (non condensing)	95% RH	
Dimensions (mm)	200 / Ø 111 x H 57	
Power supply (Dual 3V lithium batteries)	1 x Primacy cell (CR123A)	1 x Primacy cell (CR123A)
	1.2 Ahr	1.2 Ahr
	Up to 10 years primary battery life*2	8 months secondary battery life

*1 Tones do not match ESP sounder tones.
*2 Dependent on operational usage.

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Standards & Approvals

BS EN 54-3: Sounders
BS EN 54-5: Heat Point Detectors
BS EN54-25: Components using radio links

Tone Mode	Frequency
Tone 1	3500 Hz
Tone 2	2150 Hz

Sound Alert Mode	Tone	Duty Cycle
One-tone Continuous	Tone1	Continuous tone
One-tone Intermittent	Tone1	1s On /1s Off
One-tone Intermittent	Tone1	2s On / 2s Off
Two-tone	Tone1 & Tone2	1s / 1s
Two-tone	Tone1 & Tone2	0,4s / 0,4s
One-tone Intermittent	Tone1	0,2 On / 1,3s Off

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