

K-Mesh

Wireless Fire Detection

KM-WL8-H

Wireless A1R Heat Sensor

Features

- ▶ Approved to EN54-5 and 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
- ▶ Compatible with K-Mesh Translator/Expander Modules

Description

The KM-WL8-H Wireless A1R Heat Sensor is a fully intelligent device compatible with the K-Mesh Wireless Translator and Expander Modules.

Heat sensors are designed for applications where smoke detectors are unsuitable due to operating or environmental conditions.

A1R heat detectors are rate of rise devices, they have a fixed upper temperature alarm threshold (58°C) as well as having the ability to react to the rate at which the environment temperature rises.

The heat channel provides three selectable modes of operation; Fixed Temperature, Rate of Rise and Fixed Temperature Rate of Rise.

Well proven adaptive radio signal processing algorithms are used within the device along with self-optimising wireless amplitude and frequency technology provide the highest levels of life safety and system reliability.



The Wireless Heat Sensor is provided with the mounting base, complete with a built in anti-tamper switch which will indicate a fault at the panel should the device be removed from its associated detector base. An LED indication is provided on the top of the detector which is visible through 360°, this will flash green in standby mode, flashes yellow in fault and will flash red in an alarm condition providing clear indication of the device status.

The detector can be programmed to turn off the flashing green and flashing yellow LED status, to preserve battery life. In this instance the status LED will only be used to indicate a fire state.

An in-built magnet test feature enables easy activation of the device to verify functionality and response.

Primary and secondary batteries are fully monitored with low battery voltages being displayed on the Kentec Fire Alarm Control Panel.

Ordering codes

Part no.	Description
KM-WL8-H	Wireless A1R Heat Sensor

Standards & Approvals

BS EN 54-5 Heat Point Detectors

BS EN54-25 Components using radio links



Specifications		
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	
Class A1R	58 °C max.	
Operating temperature range	- 10 °C to + 55 °C	
Max. tolerated humidity	95% RH (non condensing)	
Dimensions (mm)	Ø 111 x H 65	
Weight (g)	160	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR2032)
	1.2 Ahr	0.24 Ahr
	8 - 10 years primary battery life*	3 months

*Dependent on operational usage