



Wireless Fire Detection

## KM-WL8-OH

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
- ▶ Compatible with all K-Mesh Translator/Expander Modules

### Description

The KM-WL8-OH is the latest in multi-criteria sensor technology. A fully intelligent device compatible with the K-Mesh Translator and Expander Modules.

Combining both smoke and heat detection technologies, the multisensor can contribute to the reduction of unwanted alarms. Three modes of operation smoke only, heat (A1R) only or smoke and heat (A1R) combination provide flexibility of use.

Three configurable sensitivity levels are provided for the smoke element - Low, Normal, High. The heat element of the detector is classified to A1R providing an upper temperature alarm threshold of 58°C as well as having the ability to react to the rate at which the environment temperature rises.

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 flashes 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

Ordering code	Description
KM-WL8-OH	Wireless Multi-Sensor

### Standards & Approvals

EN 54-5 Heat Point Detectors

EN54-25 Components using radio links

EN 54-7 Smoke Detectors

EN54-29 Multi-sensor fire detectors



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		
Operating modes	Smoke only	A1R only	Smoke and A1R combined
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 secondary battery life

\*Dependent on operational usage