



Wireless Fire Detection

KM-WL8-IN

Wireless Single Input Module

Features

- ▶ Approved to EN54-18 and 25
- ▶ RED compliant
- ▶ Monitored Input
- ▶ Bi-directional wireless communication
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Tamper Switch
- ▶ Up to 10 years battery life*

Description

The KM-WL8-IN is a single channel wireless monitored input module providing a cost effective solution for integrating third party equipment to the wireless fire alarm system.

Compatible with the K-Mesh Translator and Expander Modules the monitored input can be used to receive signals from external devices via a volt free relay contact, it can monitor both Normally Open and Normally Closed contacts.

The input is fully monitored for open and short circuit fault conditions providing fault signals to the main Fire Alarm Control Panel.

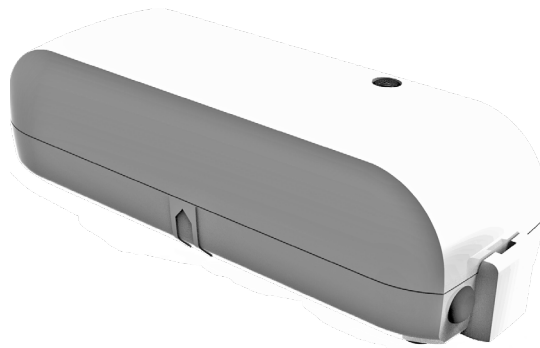
Controllable from the Fire Alarm Control Panel the input can be included in the panels cause and effect programming offering the same flexibility as a standard addressable module.

Accessories

KM-BOX-02

This is an optional installation accessory for use with KM-WL8-IN. An ABS enclosure with a smoked see-through plastic lid can be used to mount the

KM-WL8-IN Input Module providing increased protection to IP65. See datasheet DS162 for full specification details.



The Wireless Input Module comes complete with a built in anti-tamper switch which will indicate a fault at the panel should the cover be removed.

An LED status indicator is provided on the input module, this will flash green in standby mode, flashes yellow in fault and flashes red in an alarm condition providing clear indication of device status.

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-IN	Wireless Single Input Module
KM-BOX-02	Back box for K-Mesh Input Module (complete with 1x 20mm gland)

Standards & Approvals

EN54-18 Input/Output devices

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	
Time period between wireless signal transmissions	2 minutes	
Operating temperature range	- 10 °C to + 55 °C	
Max. tolerated humidity	95% RH (non condensing)	
Input monitoring resistances	≤ 0.2kΩ	Short circuit fault
	0.5 - 2.5kΩ	Alarm
	4 - 7kΩ	Normal operation
	10 - 20kΩ	Alarm
	≥ 40kΩ	Open circuit fault
Dimensions (mm)	H 109 x W 37 x D 30 (without back box)	
Weight (g)	70	
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