

K-Mesh

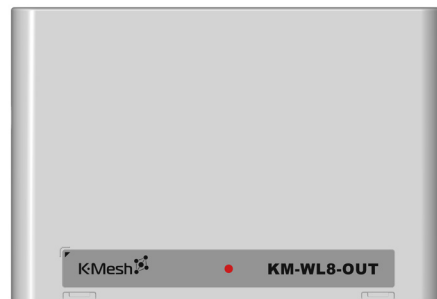
Wireless Fire Detection

KM-WL8-OUT

Wireless Single Output Module

Features

- ▶ Approved to EN54-18 and 25
- ▶ RED compliant
- ▶ Contact is configured as 24 VDC switched voltage output
- ▶ Bi-directional wireless communication
- ▶ Up to 10 years battery life*
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Includes a fault monitoring input
- ▶ Optional Relay Module available



Description

The KM-WL8-OUT is a single channel Wireless Output Module providing a cost effective solution for controlling external devices via the wireless fire alarm system.

Compatible with the K-Mesh Translator and Expander Modules the Output Module provides a switched voltage output that can be used to switch the circuits of other equipment i.e. smoke dampers, plant shutdown etc.

The Output Module is capable of switching up to 30V DC (recommended) or 250V AC with a maximum rating of 8 Amps through a dual pole switch which is normally open going closed when activated.

It is recommended to use the output to drive a 24V DC relay which will provide a volt free contact output. The Identifire Auxiliary Relay can be used for this purpose. Kentec also provide a range of EN approved 24V DC power supplies which can be used to provide the switching voltage.

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

The Wireless Output 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 Output Module, this will flash green in standby mode, flashes yellow in fault and flashes red in an activated condition providing clear indication of device status.

The Output Module 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.

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

Accessories

KM-BBOX-01

Where additional space is required for installation of supply cables etc. The KM-BBOX-01 is available supplied with 20mm cable glands.

Identifire Auxiliary Relay

Optional relay unit which can be connected to the switched voltage output of the Wireless Output Module to provide a volt free switched contact output.

Ordering codes

Part no.	Description
KM-WL8-OUT	K-Mesh Wireless Output Module
KM-BBOX-01	Back box for K-Mesh Translator, Expander and Output Modules (complete with 2 x 20mm glands)
10-2210WSR-S	Identifire Auxiliary Relay

Standards & Approvals

EN54-18 Input/Output Devices

EN54-25 Components using radio links

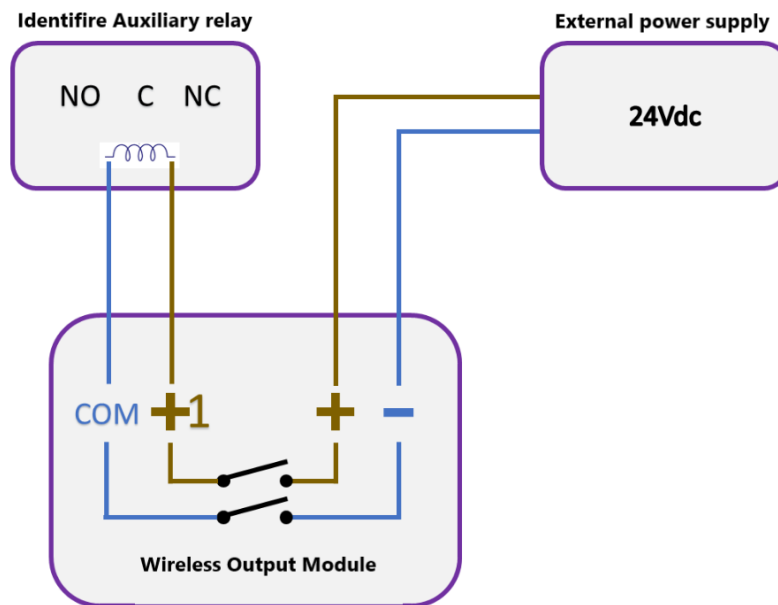


Specifications

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	
Switched voltage rating*2	30 V DC @ 1A / 250 V AC @ 8A	
Max. tolerated humidity	93% RH (non condensing)	
Dimensions (mm)	H 145 x W 210 x D 40 without back box (Depth increases to 90mm with back box)	
Weight (g)	350	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR123A)
	1.2 Ahr	1.2 Ahr
	8 - 10 years primary battery life*	6 months secondary battery life

*Dependent on operational usage **Supply voltage dependent

Recommended Output Module configuration



Datasheet DS171 11/21 Rev.01

For further information visit www.kentec.co.uk

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