

K-Mesh

Wireless Fire Detection

KM-WL8-SK

Wireless Survey Test Kit

Features

- ▶ Robust carry case
- ▶ Easy to use (training is required before purchase)
- ▶ Allows for surveying potential wireless installations

Description

For all wireless projects it is important to carry out a wireless survey to confirm adequate signal quality at the required device locations and identify the requirement and quantity of expander modules.

The K-Mesh Wireless Survey Test Kit provides all the tools necessary to carry out a site survey. Housed in robust lockable aluminium case, the kit contains the following parts:

Test Expander Module

This is located in the proposed positions of wireless translator or expander modules and allows the checking of radio signal quality between those modules and field devices. The Test Expander Module should be powered by using one of the portable power supplies provided.

Survey Detector

Based on the KM-WL8-O Wireless Optical Detector this device can be moved between the various proposed locations for field devices i.e. detectors, sounders, interface modules and check and confirm signal strength in relation to the test expander location. The survey detector has a fitting on the top which allows attachment of the supporting pole so the detector can be positioned at the correct proposed height. A 3V DC battery is provided to power the detector during the survey.

Keypad

The keypad is carried around site by the wireless surveyor and will provide detailed information on the signal quality provided by the survey detector at the associated device locations, confirming adequate signal quality and highlighting areas of concern. The keypad should be powered by using one of the portable power supplies provided.



Survey Detector Supporting Detector Pole

The supporting pole is used in conjunction with the survey detector to be able to check the wireless signal quality at the height of proposed installation. Four sections make up the supporting pole for easy storage and adjustable height settings.

Portable Power Supplies

Two 5V DC portable power supplies are provided with USB-microUSB connection cables for powering the text expander and the keypad. When fully charged the the power supplies will provide 24hrs of operation.

Power Adaptors and Universal Adapters

2 x Power adaptors (220-240V AC/5V DC) which can be used to charge the portable power supplies. These are two pin adaptors therefore 2 x Universal plug adaptors are provided.

The survey kit is easy to use however surveys should only be carried out by persons competent in the K-Mesh wireless product.

Ordering codes

Part no.	Description
KM-WL8-SK	K-Mesh Wireless Survey Kit

Standards & Approvals



Specifications

Test Expander (RR-I-PRO)	
Operating Frequency (MHz)	868
Maximum radiated power (mW)	25
Supply voltage	5V DC via portable power supply
Operating temperature (°C)	-30 to +50
IP rating	IP41
Dimensions (mm)	210 x 145 x 40
Weight (g)	400
Keypad (Pult-RR-PRO)	
Operating Frequency (MHz)	868
Maximum radiated power (mW)	25
Supply voltage	5V DC via portable power supply
Operating temperature (°C)	-20 to +50
IP rating	IP41
Dimensions (mm)	210 x 145 x 40
Weight (g)	400
Portable Power Supplies	
Capacity (mAh)	8000
Output	5V DC 2 Amp USB/microUSB
Charging time (Hrs)	8
Operational time	>24 hrs fully charged
Operating temperature (°C)	-20 to +60
Dimensions (mm)	129 x 70 x 12
Weight (g)	168
Survey Detector (KM-WL8-O)	
Operating Frequency (MHz)	868
Maximum radiated power (mW)	25
Supply voltage	3V DC via CR123A battery
Operating temperature (°C)	-10 to +55
IP rating	IP43
Dimensions (mm)	111 dia x 57
Weight (g)	200
Wireless Survey Kit	
Dimensions (mm)	430 x 370 x 160
Weight (Kg)	5.35

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