

# K-Mesh

## Wireless Fire Detection

### KM-WL8-CP

#### Wireless Call Point

##### Features

- ▶ Approved to EN54-11 & 25
- ▶ RED compliant
- ▶ Bi-directional wireless communication
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Tamper switch
- ▶ Utilises standard low cost lithium battery technology
- ▶ Up to 10 years battery life\*
- ▶ Resettable Element
- ▶ Clear 'device activated' warning flag

##### Description

The Wireless Manual Call Point is a fully intelligent device which is compatible with K-Mesh Translator and Expander Modules.

It features a simulated glass front with a black push button behind, pressing the glass front will activate the pushbutton triggering the Call Point. A yellow and black flag in the top right corner of the window provides clear indication of an activation.

K-Mesh Wireless Manual Call Points are easily resettable by using the call point key provided, enabling the user to quickly and easily return the system to normal after an activation.

##### Accessories

###### SCP Cover

This is a clear plastic flap which fits over the front of the Call Point reducing the possibility of accidental activation from knocks or bumps. It is recommended to fit these covers where Call Points are installed in public areas.

###### Universal Stopper

This is a full plastic cover which provides a more robust protective solution for the Manual Call Point. The cover completely encases the Call Point providing increased IP protection (IP54) along with a facility to fit a tamper seal.



The K-Mesh Manual Call Point enclosure is a surface mounting polycarbonate enclosure and contains two battery cells.

A polling LED is provided on the Call Point which will flash to indicate that it is communicating successfully with the fire alarm control panel.

K-Mesh Wireless Manual Call Points are fitted with a tamper switch which will trigger a fault at the Fire Control Panel should the Call Point be removed from its mounting base.

Self optimisation of wireless signal amplitude and frequency ensures the K-Mesh Wireless Call Point is always operating at its optimum communication levels.

##### Ordering codes

Part no.	Description
KM-WL8-CP	K-Mesh Wireless Manual Call Point
SCP COVER	Integral cover -SCP
STI-13110FR-BREAK	Universal stopper (hinged cover)

##### Standards & Approvals

EN54-11 Call Points

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)	
Dimensions (mm)	H 87 x W 87 x D 59	
Weight (g)	170	
IP rating	IP41 (IP 54 with STI-13110FR-BREAK Universal stopper cover)	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR2032)
	1.2 Ah	0.24 Ah
	8 - 10 years primary battery life*	3 months secondary battery life

\*Dependent on operational usage