

EK-WL8-TRH

Hybrid Wireless Translator Module

Features

- ▶ Approved to EN54-17, 18 and 25
- ▶ RED compliant
- ▶ Loop Powered
- ▶ OLED Graphical Display
- ▶ Integral Loop Short Circuit Isolator
- ▶ Bi-directional wireless communication
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Tamper switch
- ▶ Flexible on site device adjustment
- ▶ Makes additions to existing wired systems easy and cost effective.



Description

The EK-WL8-TRH is a fully intelligent wired to wireless Translator Module. Compatible with the Hochiki ESP protocol, the module allows the use of fully intelligent radio (wireless) field devices alongside standard hard wired devices.

The Translator Module allows the connection of up to 126* Expanders and radio field devices to an addressable fire detection loop. Multiple Translators can be used on a system providing the system has sufficient loop power and addresses available.

The Translator Module incorporates a Loop Short Circuit Isolator and an OLED display to allow the Translator to be easily programmed.

Each radio field device takes a loop address making them fully intelligent and their radio connectivity transparent to the end user. System parameters are programmed via the Translator Module and a PC link. The Translator Module automatically manages sensor radiated power depending on the device communication quality. The unit is fitted with two Internal antennas which reduce radio fade and ensure reliable radio communication. Optional back box available.

Specifications

Ordering code	EK-WL8-TRH	Optional Back box is available EK-BBOX-01
Operating frequency range	866 - 869.85 MHz	
Communication range (in open air)	Translator to Expander 2000m	Translator to Field Device 1200m
Modulation type	GFSK	
Operating frequency channels	6	
Max. radiated power	≤ 25 mW	
Time period between wireless signal transmissions	2 minutes	
Current consumption	27 mA	
Operating voltage	17 - 41 VDC	
IP Rating	IP41	
Max. tolerated humidity	95% RH (non-condensing)	
Operating temperature range	- 10 °C to + 55 °C	
Weight (g) / Dimensions (mm)	300 / H 143 x W 210 x D 42 without Back box	

Standards & Approvals

EN54-17 Short Circuit Isolators

EN54-25 Components using Radio Links

EN54-18 Input/Output Devices



*Dependant on available loop address capacity



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