

Lockdown Notification System

LD-WL8-TRH

Wireless Lockdown Translator Module

Features

- ▶ RED compliant
- ▶ Internal OLED Graphical Display
- ▶ Bi-directional wireless communication
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Tamper switch
- ▶ Flexible on site device adjustment

Description

LD-WL8-TRH is the central control module for the Kentec Wireless Lockdown system, it communicates with the other Wireless Lockdown Devices on the system monitors their status and controls any cause and effect between input and output devices.

Up to 126 radio field devices can be connected to the LD-WL8-TRH this consists of up to 16 Input Modules, 4 Output Modules and 106 Voice Annunciators with VADs. The Translator Module has been pre-configured with allocated addresses for these devices for simple setup. Details of address allocations are shown on page 2 of this datasheet. If the LD-WL8-TRH is connected to a Lockdown Indicator Panel it will be powered via the loop connection. If the system is not using a Lockdown Indicator Panel the LD-WL8-TRH will require a battery backed power supply such as the Kentec STX2401-C.



Two status indicator LEDs are provided on the Translator fascia which indicate the status of the isolator and the radio communications.

Configuration of the Wireless Lockdown Notification System is performed using the K-MESH configuration software.

The wireless system uses well proven adaptive radio signal processing algorithms along with self-optimising wireless amplitude and frequency technology providing the highest levels of life safety and system reliability. Two internal antennae are included in the translator which reduce radio signal fade and ensure reliable communication.

Where additional space is required for installation of cables etc. back-box KM-BBOX-01 is available.

Ordering codes

Part no.	Description
LD-WL8-TRH	Wireless Lockdown Translator Module
KM-BBOX-01	Back box for Translator, Expander and Output Module (complete with 2 x 20mm glands)



Specifications

Operating frequency range	866 - 869.85 MHz	
Communication range (in open air)	Translator to Expander 2000 m	Translator to Device 1000 m
Modulation type	GFSK	
Operating frequency channels	6	
Max. radiated power	≤ 25 mW	
Time period between wireless signal transmissions	2 minutes	
Current consumption	31 mA	
Operating voltage	17 - 41 VDC	
Max. tolerated humidity	95% RH (non condensing)	
Operating temperature range	- 10 °C to + 55 °C	
Dimensions (mm)	H 145 x W 210 x D 40 without back box (Depth increases to 90mm with back box)	
Weight (g)	300	

LD-WL8-TRH Pre-configured address allocation

Addresses	Device Type	Function
1	LD-WL8-IN	Activate message 1
2	LD-WL8-IN	Activate message 2
3	LD-WL8-IN	Activate message 3
4	LD-WL8-OUT	Message 1 playing
5	LD-WL8-OUT	Message 2 playing
6	LD-WL8-OUT	Message 3 playing
7	LD-WL8-OUT-FS	Failsafe fault output
8	LD-WL8-IN	Activate message 1
9	LD-WL8-IN	Activate message 2
10	LD-WL8-IN	Activate message 3
11 - 20	LD-WL8-IN	Activate message 1
21 - 126	LD-WL8-EXP/LD-WL-OV	Allocated for either Expander Modules or Voice Annunciators with VAD