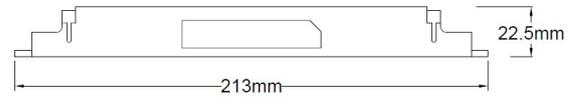


Technical Specification

TNA/1S - DALI Self-Test High Voltage LED Conversion Range



Fixing Centres 207mm

The TNA/1S range is supplied as a DALI self-test conversion kit for integral use within a luminaire.

Unit operates as either self-test or DALI self-test as required.

- Slim Module Suitable for Linear Applications
- Operates Loads in the Voltage Range 55-300V
- Deep Discharge Protection
- Low Power Consumption
- Long Life LiFePO4 Batteries
- Average Emergency Power - 2.3W
- Unit Operates as Self-Test if DALI is not Present

A 3-hour emergency lighting conversion kit which operates with Long Life LiFePO4 batteries. The unit is designed to suit an extremely wide range of LED types and circuits. The TNA/1S automatically adjusts the output LED current to provide the best match between the battery and the load, providing maximum illumination whilst ensuring full battery duration. The batteries used with this unit not only provide double the life of traditional emergency lighting batteries, but consume far less power during their operational life.

There are 2 main versions available -

Order Codes

TNA/1S-K For LED loads operating in the Voltage range of 55 - 300V. Supplied as a module, slim 3-cell battery and bi-colour charge indicator with mounting collar.

TNA/1S/TP40 For LED loads operating in the Voltage range of 55 - 300V. Supplied as a two part remote kit with strain relief cables, cased battery and bi-colour charge indicator with mounting collar.

Technical Details:

Mains Supply	230-240V AC 50/60 Hz	Max Ta and Tc	Ta - 50 °C - Tc - 70 °C
Power Rating (charging)	2.5W 17mA $\lambda = 0.6$	Max Battery Tc	55 °C
Power Rating (standby)	1.3W 13mA $\lambda = 0.45$	Battery Discharge Current	1000mA nominal
Recharge Period	24-Hours	Discharge Voltage Limit	2.4 Volts
Battery Size & Type	3.2V 4.8Ah LiFePO4 Cell	Ingress Protection	IP20
Charge Current	250mA Nominal	Terminal - Push Wire	0.5mm ² - 1.5 mm ²
Module Weight	0.11Kg	Module Dimensions (LxWxH)	213 x 30 x 22.5 (f/c 207mm)
Battery Weight	0.14Kg	Battery Dimensions (LxWxH)	230 x 24 x 22 (f/c 220mm)

*After its initial charge, the TNA/1S will spend 90% of its operational life in the standby mode

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