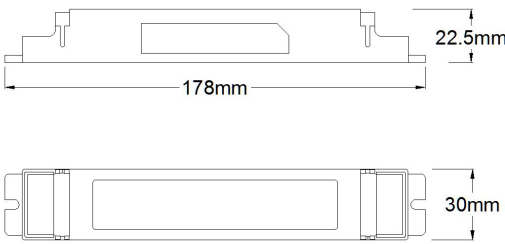
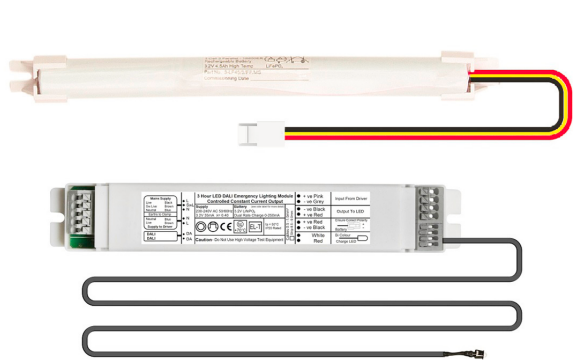


Technical Specification  
**D2N/1S** -  
DALI-2 Self-Test Conversion Range



Fixing Centres 172mm

The D2N/1S range is supplied as a conversion kit for integral use within a luminaire.

- Slim Module Suitable for Linear Applications
- Deep Discharge Protection
- Low Power Consumption
- Long Life LiFePO4 Batteries
- Average Emergency Power - 2.6W
- DALI-2 Self-Test Conversion Module
- Operates with the LiteMesh Wireless System
- Module TM65.2 Rating - 6.42kg CO<sub>2</sub>e
- Battery TM65.2 Rating - 1.32kg CO<sub>2</sub>e
- Features Battery Temperature Protection

A 3 hour DALI-2 self-test emergency lighting conversion kit which operates with Long Life LiFePO<sub>4</sub> batteries. The unit is designed to suit an extremely wide range of LED types and circuits. The D2N/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 charger will cut-off if the Tc of the battery falls below 0 degrees C or above 55 degrees C. The product will however operate when required in emergency, should there be enough capacity remaining in the battery.

There is one main version available -

Order Codes

|          |                                                               |
|----------|---------------------------------------------------------------|
| D2N/1S-K | For LED loads operating in the Voltage range of 6 - 80 Volts. |
|          | For integral use                                              |

Technical Details:

|                           |                                     |                            |                                          |
|---------------------------|-------------------------------------|----------------------------|------------------------------------------|
| Mains Supply              | 230-240V AC 50/60 Hz                | Max Ta and Tc              | Ta: 50°C & Tc: 70 °C                     |
| Power Rating (charging) * | 2.8W 17mA λ= 0.70                   | Battery Temp. Parameters   | 0°C to 55 °C                             |
| Power Rating (charged) *  | 1.4W 12mA λ= 0.48                   | Battery Discharge Current  | 1100mA nominal                           |
| Duration                  | 3-Hours                             | Terminal - Push Wire       | 0.5mm <sup>2</sup> - 1.5 mm <sup>2</sup> |
| Recharge Period           | 24-Hours                            | Discharge Voltage Limit    | 2.4 Volts                                |
| Battery Size & Type       | 3.2V 4.8Ah LiFePO <sub>4</sub> Cell | Ingress Protection         | IP20                                     |
| Charge Current            | 225mA Nominal                       | Module Weight              | 0.1Kg                                    |
| Battery Weight            | 0.19Kg                              | Module Dimensions (LxWxH)  | 178 x 30 x 22.5 (f/c 172mm)              |
|                           |                                     | Battery Dimensions (LxWxH) | 230mm x 22mm x 21mm                      |

\* Following its initial charge, the D2N/1S will spend 90% of its operational life in standby (charged) mode.