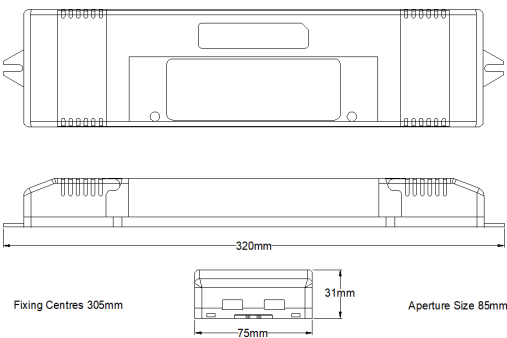


Technical Specification
D2N/2/SP85/R - High Output
DALI-2 Self-Test Remote Conversion Range



- Single Piece Remote Enclosure
- Deep Discharge Protection
- Low Power Consumption
- Long Life LiFePO4 Batteries
- Average Emergency Power - 5W
- DALI-2 Self-Test Conversion Module
- Features Battery Temperature Protection

The D2N/2/SP85/R is supplied as a remote conversion kit designed to be mounted adjacent to the luminaire, where room inside the fitting is limited. This part offers a higher output which is more suitable for higher power luminaires.

A 3 hour DALI-2 self-test 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 D2N/2/SP85/R 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.

There are 2 main versions available -

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.

Order Codes

D2N/2/SP85/R	For LED loads operating in the Voltage range of 10 - 55 Volts. For remote use
D2N/2/80/SP85/R	For LED loads operating in the Voltage range of 10 - 80 Volts. For remote use

Technical Details:

Mains Supply	230-240V AC 50/60 Hz	Max Module Ta	50 °C
Power Rating (charging)*	4W 21mA λ = 0.79	Max Module Tc	70 °C
Power Rating (charged)*	1.4W 12mA λ = 0.48	Battery Temp. Protection	0°C to 55 °C
Duration	3-Hours	Battery Discharge Current	950mA nominal
Recharge Period	24-Hours	Discharge Voltage Limit	5 Volts
Battery Size & Type	6.4V 3.8Ah LiFePO4 Cell	Ingress Protection	IP20
Charge Current	225mA Nominal	Terminal - Push Wire	0.5mm ² - 1.5 mm ²
Weight	0.1Kg	Dimensions (LxWxH)	320mm x 75mm x 31mm

* Following its initial charge, the D2N/2/SP85/R module will spend 90% of its operational life in standby mode.