DDBC100-DALI HF ballast controller

The DDBC100-DALI is designed to provide cost effective control of DALI high frequency fluorescent ballasts. A full universe of 64 DALI channels is provided. Direct DALI to DyNet mapping means that the DALI imposed limits such as the maximum of 16 groups are seamlessly overcome. The device is DIN rail mountable, designed to be installed in a switchboard next to the circuit breaker that is supplying power to the controlled lighting circuit. The DDBC100-DALI contains an integral 250mA DALI bus power supply, removing the need for the provision of a separate power supply.

technical data

Supply
230V 50/60Hz single phase & neutral at 0.1A

Control Outputs
1 x DALI Control Output, supporting one full DALI universe of 64 channels, including backward channel

Control Inputs
1 x RS485 DyNet serial port
1 x AUX programmable dry contact input

Bus Power Supply
Inbuilt 250mA DALI bus power supply

User Controls
Service Switch
Diagnostic LED

DyNet DC Supply
200mA (Supply for approx. 10 Smart Panels)

Preset Scenes
170

Diagnostic Functions*
Lamp failure reporting
Ballast failure reporting
Ballast run time tracking for each ballast and the switched output
Device Online/Offline status
* DLight or BAS interface is required for analysing diagnostic data. The availability of some diagnostics is dependent on the ballast type.

Supply Terminals
Line, Neutral, Earth
1 x 4mm^2 max conductor size

Output Terminals
Ballast DALI circuit - DALI, DALI
1 x 4mm^2 max conductor size

Operating Environment
0˚ to 50˚C ambient temperature
0% to 95% RH non-condensing

Compliance
CE, C-Tick

Enclosure
ABS DIN Rail enclosure (6 unit)

Dimensions
H 86mm x W 105mm x D 58mm

Weight
Packed weight 0.324kg

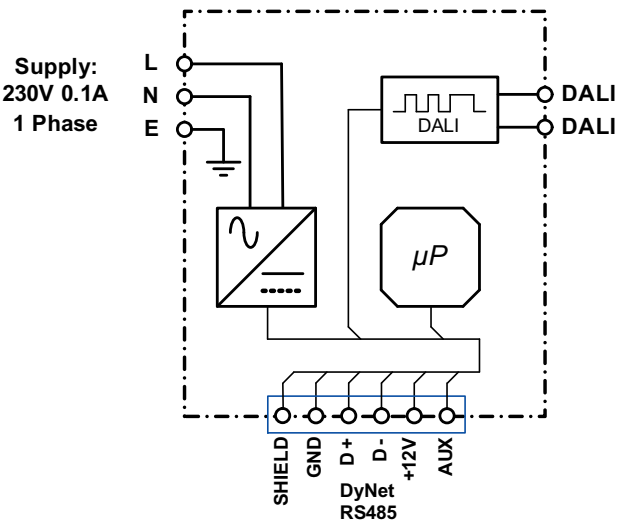
load compatability

DALI high frequency fluorescent ballasts

DALI electronic low-voltage transformers

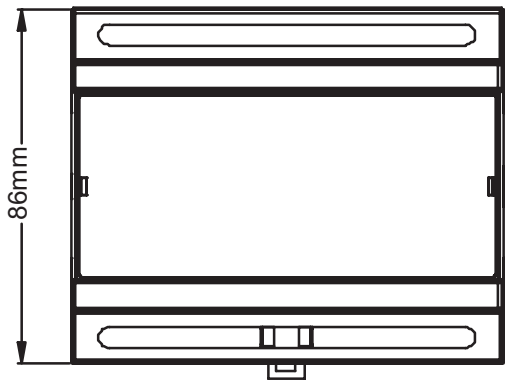
DDBC100-DALI HF ballast controller

electrical diagram

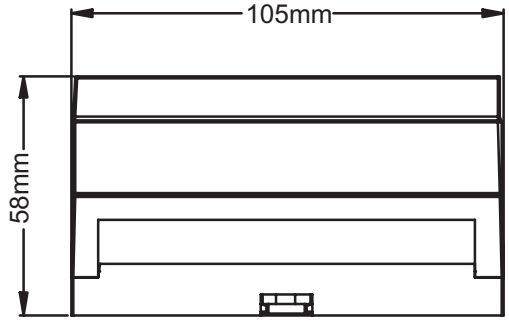


mounting dimensions

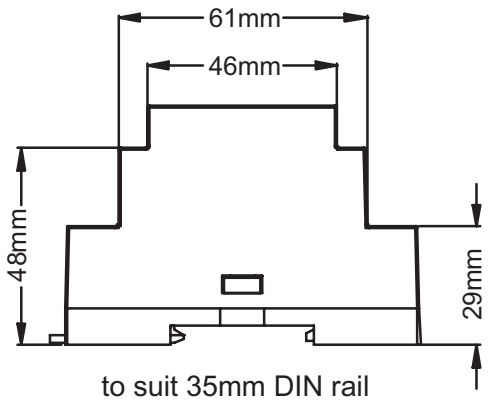
top view



side view



end view



to suit 35mm DIN rail

+61 2 8338 9899
+61 2 8338 9333
info@dynalite-online.com
dynalite-online.com

DDBC100-DALI Data Sheet Rev A August 2005

For further information contact: