

The DDBC320-DALI is designed to provide cost effective control of DALI high frequency fluorescent ballasts. It has three DALI outputs, allowing it to control up to 192 DALI devices. The DALI control signals can be programmed to operate in tandem with the three internal switched outputs, which will automatically isolate the power circuit when all associated DALI channels are at 0%. This feature is useful for energy savings applications, as DALI ballasts draw a significant amount of power when the lamps are turned off via a DALI command. 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 breakers supplying power to the controlled lighting circuits. The DDBC320-DALI contains an integral DALI bus power supply, removing the need for an additional external device.

technical data)))



Supply

100-240V 50/60Hz Single Phase at 0.5A

Control Outputs

3 x DALI Control Outputs, each supporting a full DALI universe of 64 channels (192 total), including backward channel

DALI Bus Power Supply

Internal 15V rated 128mA per universe

Mains Outputs

3 x 20 Amp feed thru switched circuits for DALI ballast mains supply

Control IO

1 x RS485 DyNet serial port / DMX
1 x AUX programmable dry contact input

User Controls

Service Over-ride Switch
Diagnostic LED

DyNet DC Supply

12V @ 200mA (supply for approx. 10 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

Supply Terminals

Line, Neutral, Earth
1 x 4mm² max conductor size

Output Terminals

3 x Ballast power circuit -
Line In, Line out, Loop, Loop
1 x 4mm² max conductor size
3 x DALI Ballast circuits - DA-, DA+
1 x 4mm² max conductor size

Operating Environment

0° to 40°C ambient temperature
0% to 90% RH non-condensing

Compliance

CE, C-Tick, IEC62386

Enclosure

Polycarbonate DIN Rail enclosure
(12 unit)

Dimensions

H 93mm x W 211mm x D 75mm

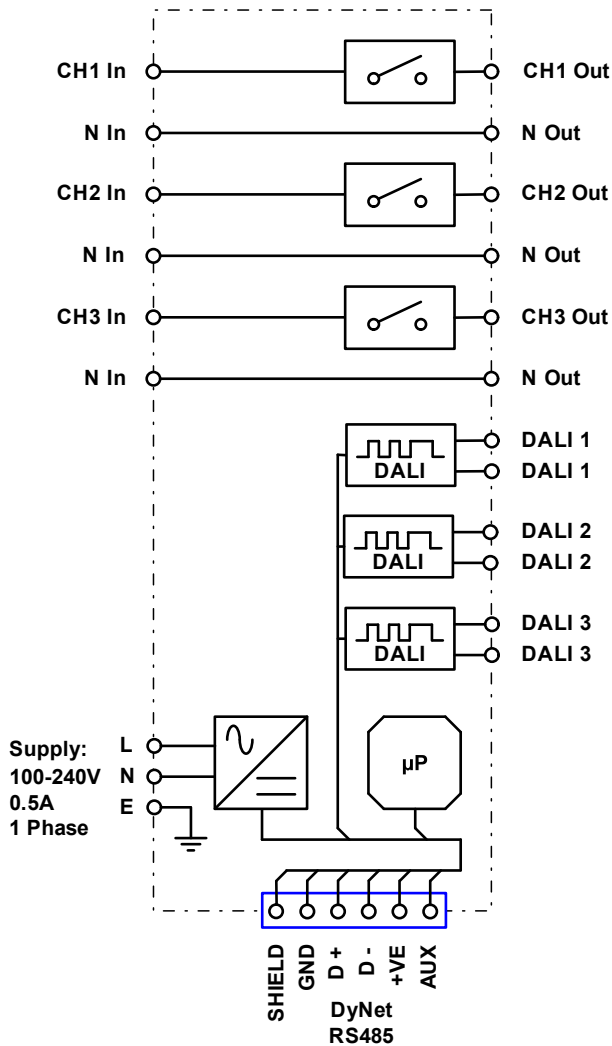
Weight

Packed weight 0.8kg

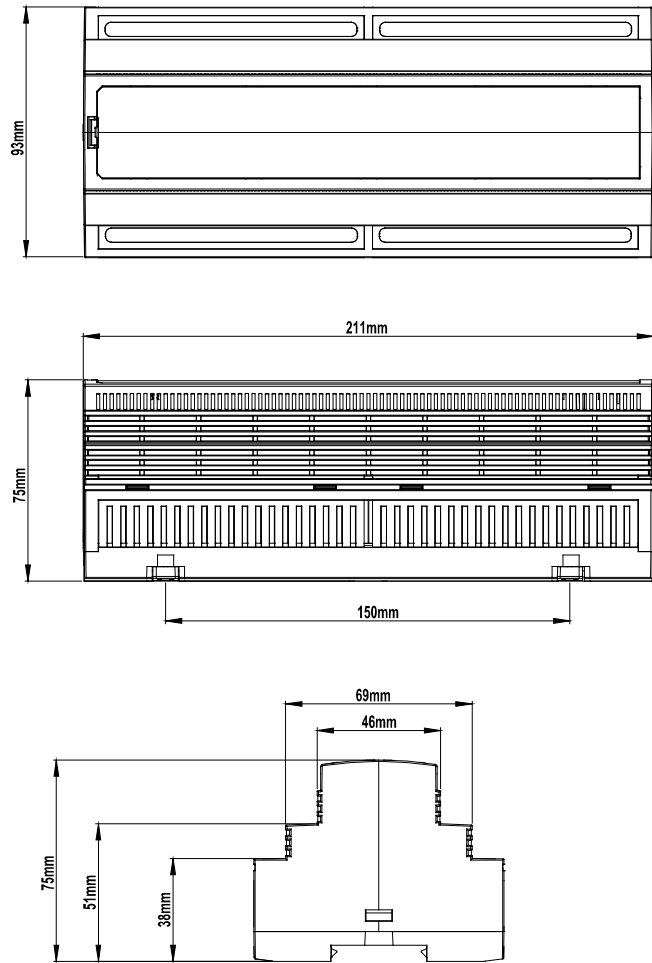
load compatibility)))

DALI high frequency fluorescent ballasts
DALI electronic low-voltage transformers
DALI LED fixtures

electrical diagram >>>



mounting dimensions >>>



For further information contact:

