

DMBC320-DALI-NA

HF Ballast Controller

The DMBC320-DALI-NA is designed to provide cost effective control of DALI electronic fluorescent ballasts. It controls three DALI loops with 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%. The DMBC320-DALI-NA is designed to be installed in a NEMA1 approved enclosure or a switchboard near the circuit breakers. It is also DIN rail mountable.

Eight 'dry contact' Class 2 inputs are provided for remote switches. Relay Status Reporting is available as an option, as well as a Configuration Switch for the set-up of small systems without requiring a PC for commissioning.

Technical Data



Supply

120V-277VAC (+10%/-15%) 50/60Hz
Single Phase and Neutral
Input power: Max 33W, Avg 24W
Input current: 120VAC max. 0.40A
277VAC max. 0.15A

Relays

Latching type, lighting and resistive load rated.

Mains Outputs

3 x 16A feed thru switched relay channels for DALI ballast mains supply

Control Outputs

3 x DALI Control Outputs, each supporting a full DALI loop of 64 channels (192 total), including 2 way communication

Control Inputs

1 x RS485 DyNet serial port
8 x dry contact inputs (10VDC, 0.7mA)

DALI Power Supply

Built-in internal DALI power supply 15VDC, 128mA rated per loop.
Short-circuit current max. 250mA per loop over-load protected

User Controls

Service Switch
Diagnostic LED
Manual override switch for each relay

DyNet DC Supply

500mA @24VDC

Preset Scenes

170

Supply Terminals

Line, Neutral, Ground
8-24 AWG Cu wire

Relay Output

3 x 16A feed thru switched relay channels for DALI ballast mains supply
Voltage rating:
Channel-to-channel: 480VAC
Channel-to-out: 277VAC
8-24 AWG Cu wire

DALI Output Terminals

3 x DALI Loop, Low Voltage 12-22 AWG Cu wire

Diagnostic Functions*

- Lamp failure reporting
- Ballast failure reporting
- Ballast run time tracking for each ballast and the switched output
- Device Online/Offline status

* MapView, Touch Screen or BAS interface required for analyzing diagnostic data. The availability of some diagnostics is dependent on the ballast type.

Compliance

UL/cUL Recognized, ICES, FCC, RoHS Compliant

Operating Environment

32° to 104°F (0° to 40°C) ambient temp
0% to 90% RH non condensing

Construction

Lexan 920, UL94-VO

Dimensions

H 5.6" x W 9.4" x D 2.0"

Weight

Packed weight 2.2 lb

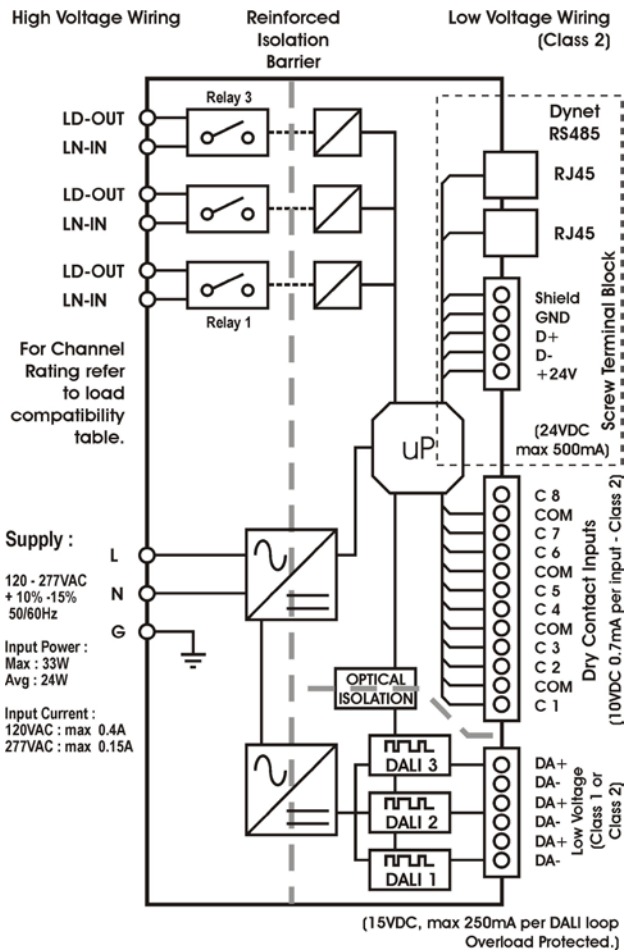
Load Compatibility

Load Type	Max Load
Electronic Ballast	16A, 120VAC
Electronic Ballast	16A, 277VAC

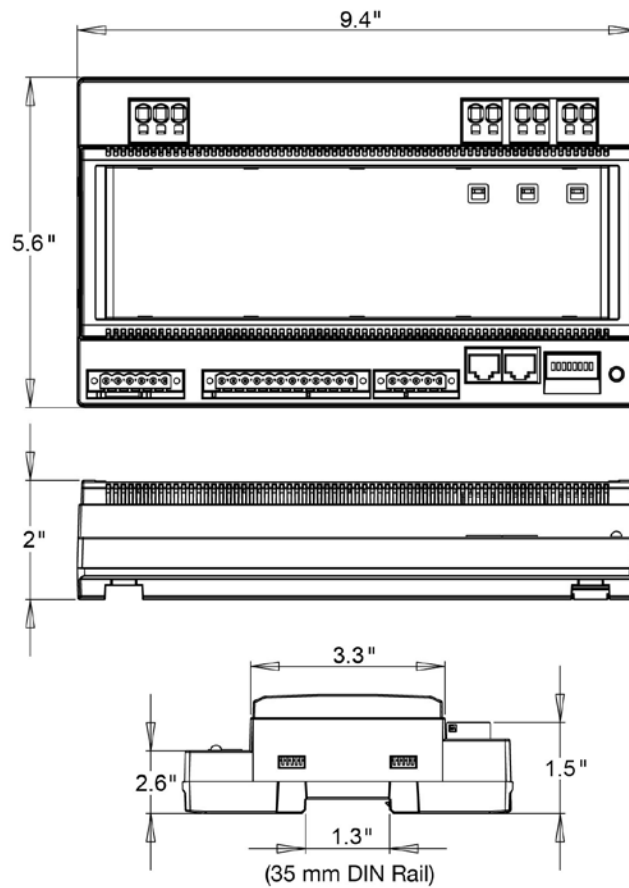
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Electrical Diagram



Mounting Dimensions



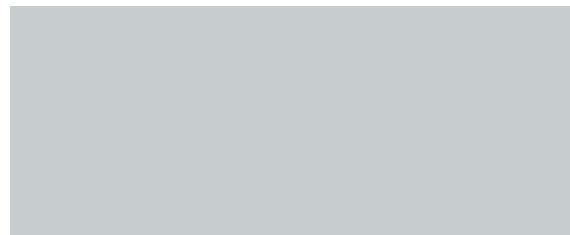
Ordering Information

Type	Description	Quantity
DMBC320-DALI-NA	DALI Ballast Controller	1



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