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DDLEDC401

PWM Controller

The DDLEDC401 is designed to control four channel (RGBW) LED loads in decorative architectural lighting applications where creative colour mixing and sequencing is required. The controller provides four pulse width modulated voltage mode outputs suitable for driving high intensity LED sources. Controller nominal output voltage is 24VDC and can optionally be ordered as 12V output. The device is available in two output configurations to accommodate common anode (DDLEDC401-CA) or common cathode (DDLEDC401-CK) loads. The device is supplied with a DIN rail mountable housing, designed for installation installed within a switchboard or suitable electrical enlosure. The DDLEDC401 is DMX512 compatible and is suitable for the high chase speeds found in display lighting.

technical data

Supply
230V ±14% 50/60Hz Single Phase at 130 watts

LED Outputs
4 x 1A (nominal) voltage mode
Maximum per channel load 4A (Max)
Maximum total box load 4A
Outputs are short circuit protected
12V output optionally available (**-OUT12V**)

DDLEDC401-CA
Output - 24V common anode

DDLEDC401-CK
Output - 24V common cathode

Maximum Total Box Load
100 Watts at 24V output
50 Watts at 12V output
(**-OUT12V** version)

Control IO
1 x RS485 DyNet/DMX512 serial port

User Controls
Service switch
Diagnostic LED

DyNet DC Supply
12V @ 120mA (supply for approx. 6 panels)

Preset Scenes
96

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

Output Terminals
CH, COM for each channel
1 x 2.5mm^2 max conductor size

Diagnostic Functions
Device Online/Offline status

Compliance
CE, C-Tick

Operating Environment
0º to 40ºC ambient temperature
0% to 95% RH non condensing

Construction
ABS DIN Rail enclosure (12 unit)

Dimensions
H 86mm x W 209mm x D 66mm

Weight
Packed weight 1.0kg

load compatibility

Voltage mode LED fixtures

options

Commen anode mode **-CA**
Commen cathode mode **-CK**
120V input **-IN120**
12V output **-OUT12**

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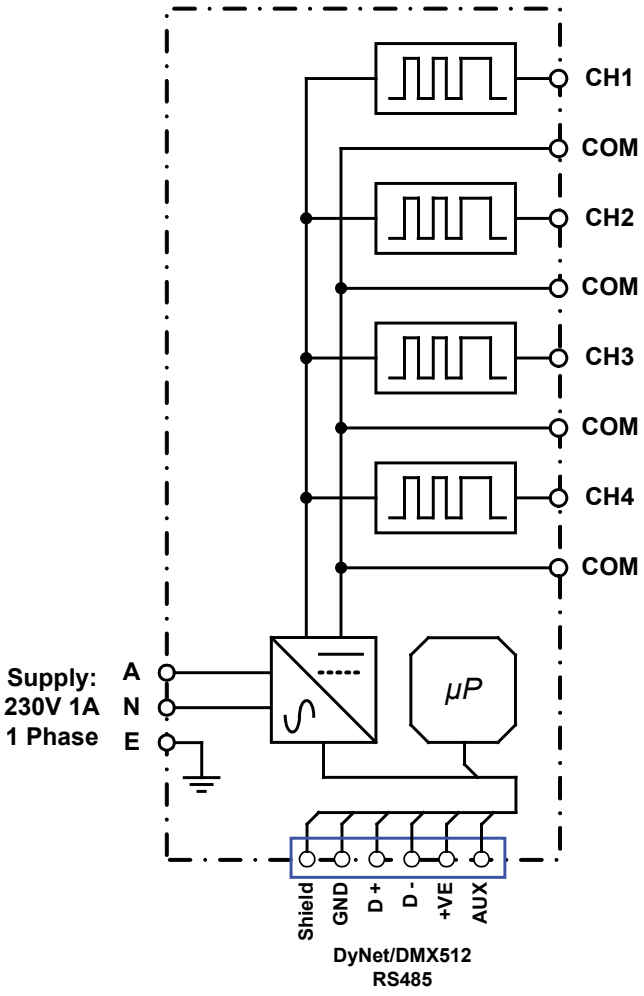
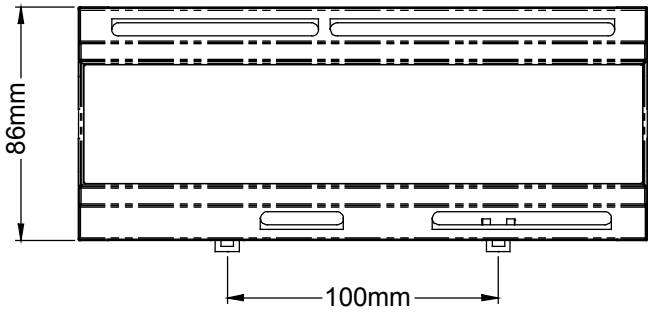
electrical diagram

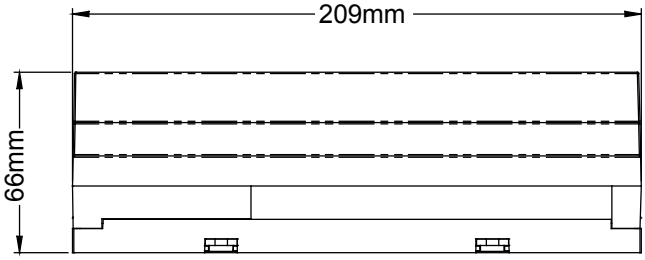


mounting dimensions

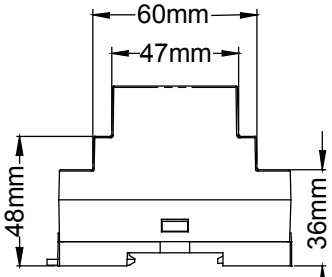
top view



side view



end view



to suit 35mm DIN rail

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DDLEDC401 Data Sheet Rev K January 2012