

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 enclosure. 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 1A
 Maximum total box load 4A
 Outputs are short circuit protected
 12V output optionally available (-12V)

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 (-12V 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 4mm² max conductor size

Output Terminals

CH, COM for each channel
 1 x 2.5mm² max conductor size

Diagnostic Functions

Device Online/Offline status

Compliance

CE, C-Tick

Operating Environment

0° to 40°C 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 

120V input **-IN120**
 12V output **-OUT12**

electrical diagram >>>

mounting dimensions >>>

