

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 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 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 >>>

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

electrical diagram >>>

mounting dimensions >>>

