traxon e:cue
AN OSRAM BUSINESS

DMX2PWM 3 channels

e:cue Interfaces

Lighting applications are heterogenous by nature. e:cue interfaces serve to integrate many networks, protocols and third party products into e:cue solutions. They also aid in applying special control functions for fixtures, they integrate analog or mechanical signaling into the digital world and offer bridging functions. e:cue interfaces are the links to bring together the many techniques and technologies of lighting control.

DMX2PWM 3Ch

The e:cue DMX2PWM LED dimmer is a 3 channel dimmer for use with constant voltage fixtures. The input voltage is variable from 12 … 48 VDC and each output channel has a maximum output current of 2.5 A. Each output channel can be individually controlled via DMX, a DMX output allows chaining of multiple devices. The option to either manually or automatically address the dimmer on a DMX channel provides a simple solution for small to complex control scenarios. The reverse supply protection and self-resetting overcurrent protection avoid malfunction and damage caused by wrong connections. Two status LEDs show the status of the dimmer and the status of the incoming DMX signal. Power input and output are on screw terminals, that are also used for connecting the DMX inputs and outputs.

Main features

- LED dimming using pulse width modulation (PWM)
- For use with constant voltage fixtures
- Three outputs individually controllable via DMX
- Two user selectable DMX addressing modes: auto addressing or manual addressing
- Input voltage range: 12 … 48 VDC
- Max. output current of 2.5 A per channel
- DMX in/out
- Low side switching
- Reverse supply protection
- 14 bit PWM resolution
- Overcurrent protection (self resetting)
- Two status LEDs

Delivery scope

- DMX2PWM 3ch   160125
- Setup Manual   160191
- Screw terminal plugs
- Screw driver

Technical data

Dimensions (W x H x D)	94 x 71.5 x 24 mm/ 3.66 x 2.81 x 0.94 inch
Weight	0.08 kg/0.18 lbs
Power	12 ... 48 V DC (screw terminals)
Operating temperature	0 … 50 °C/32 … 122 °F
Storage temperature	-20 … 80 °C/-4 … 176 °F
Operating/storage hum.	0 … 80% non-condensing
Protection class	IP20
Housing	Aluminium
Certifications	CE, ETL

Interfaces

Input	DMX512 (RJ45)
Outputs	DMX512 (RJ45) for chaining multiple devices 3 output channels (screw terminals) + connector: on input voltage - connector: low side PWM switch

Always select the power supply output voltage accordingly to your LED fixture input voltage !

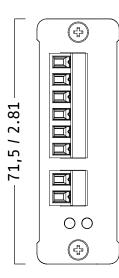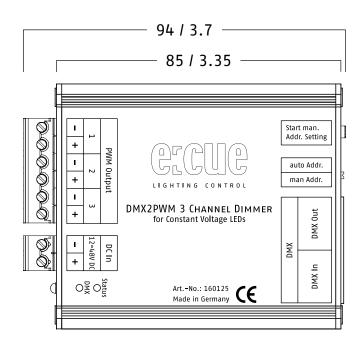12 V PSU for 12 V LED
24 V PSU for 24 V LED
48 V PSU for 48 V LED

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Dimensions

All dimensions in mm/inch