

DMX512 decoder D4-XE, 4-channel, 12-48V DC

Reference: AM0836
EAN13: -
HS code: 94059900



Product attributes:

Product features:

Voltage: 12-48 V DC
Waterproof grade: IP22
Max. current: 32 A

Product description:

The DMX512 decoder D4-XE is a professional four-channel LED controller designed for controlling LED strips and LED fixtures with constant voltage using the DMX512 or RDM protocol. Thanks to the wide input voltage range of **12-48 V DC**, it is suitable not only for common 12 V and 24 V applications, but also for powerful 36 V and 48 V LED systems used in architectural, stage and industrial lighting. The device offers high output power, flexible PWM settings and the possibility of standalone operation without a DMX signal.

Technical specifications

- Input voltage: 12-48V DC
- Output voltage: 4x (12-48 V DC)
- Output current: 8 A per channel (12-24V), 6 A per channel (36-48V)
- Total output power: up to 288W (12V), 576W (24V), 864W (36V), 1536W (48V)
- Output type: constant voltage (CV)
- Number of channels: 1 / 2 / 4 DMX channels (optional)
- DMX resolution: 8bit (256 levels) or 16bit (65,536 levels)
- PWM frequency: 250 Hz, 500 Hz, 1000 Hz, 2000 Hz, 4000 Hz, 8000 Hz, 16000 Hz
- Dimming curve: linear or logarithmic
- DMX addresses: 001-512
- DMX signal input: XLR3, RJ45, terminal block
- Protection: IP20
- Operating temperature: -30°C to +55°C
- Dimensions: 175 x 80 x 45 mm
- Weight: 426g

Functions and features

- Full compatibility with DMX512 and RDM protocols
- Digital display for precise DMX address and parameter settings
- Option to set 1, 2 or 4 channel decoding
- Supports RGB, RGBW and standalone 4-channel dimmer
- Built-in dynamic programs for stand-alone operation
- Adjustable PWM frequency suitable for camera applications without visible flickering
- Overheating and short circuit protection with automatic recovery
- Possibility of operation without DMX signal (stand-alone mode)

Ideal for

- Control of RGB and RGBW LED strips with voltage of 12-48 V DC
- Architectural and scenic lighting
- Industrial LED installations with higher voltages 36 V and 48 V
- DMX lighting systems with high performance requirements
- Applications requiring precise and smooth dimming

Package contents

- DMX512 LED decoder D4-XE
- Mounting brackets

Why choose this product?

- Supports a wide voltage range up to 48 V DC
- High output power and current carrying capacity

- Flexible setting of DMX channels and PWM parameters
- Standalone operation possible without a DMX control unit
- Reliable design suitable for professional installations

