

DMXLED

DMX Controller for
for linear controlled LED Systems

DATASHEET

Rev. 1.0 2009

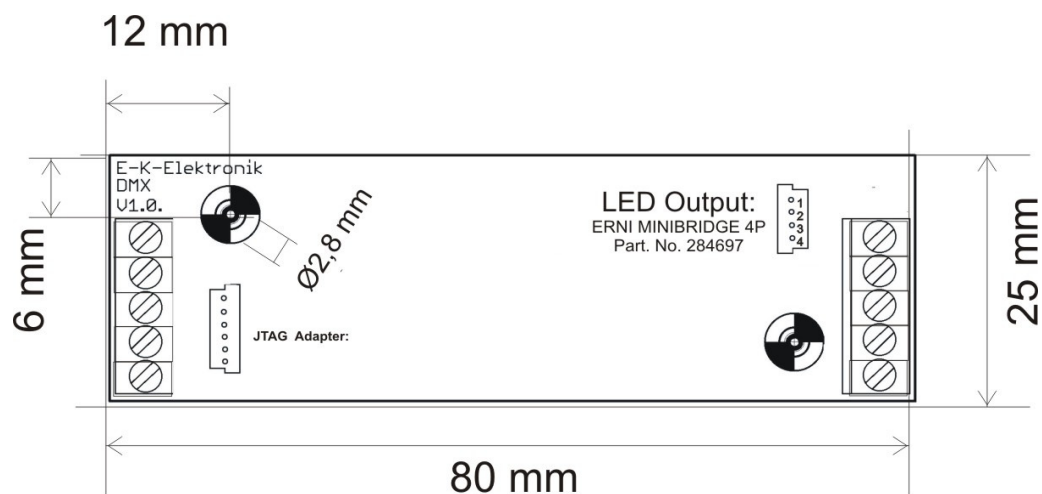
1 General Description

The DMXLED works as DMX Controller with 3 channel outputs for LED Systems. With its small sized design it can be integrated in various lighting fixtures. The 16 bit integrated IC allows setting the start address by PC terminal, or to run auto addressing in Systems.

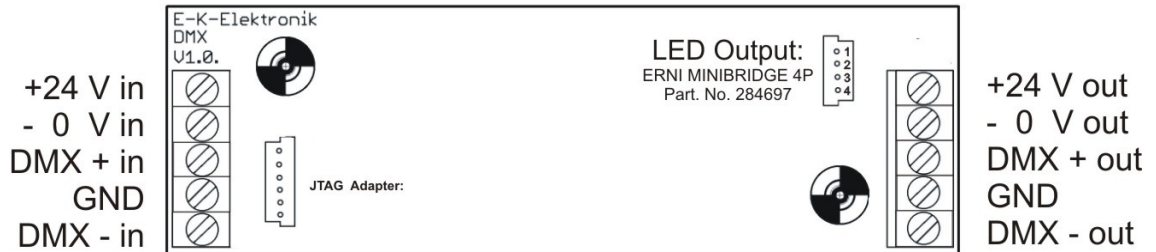
2 Features

- Complies with DMX Standard DMX-512/1990
- Input Voltage Range from 12-32V
- 3 channel PWM output, each 1 Ampere (max. 25 Watts per channel)
- 8 or 16 bit output resolution
- Output protection against over current, over temperature, and ESD (< 3 KV)
- Auto addressing with Master Controller and terminal program
- DMX in/out drivers (configurable as repeater)
- Electronic controlled bus termination
- Outputs with connectors for RGB LEDs
- Passive cooling (mounting with thermal pads)
- Two holes (Ø 2,8 mm) for easy mounting
- Small sized 25 x 80 mm
- Optionally with screw connectors for fast assembly

3 Dimensions



4 Pinning



The LED output connector is matching with OSRAM Connect System[®]. (Erni Minibridge connector Part. No. 284697)

LED OUTPUTS	
Name	Description
1	+24 V
2	PWM Ch1
3	PWM Ch2
4	PWM Ch3

5 Operating conditions:

Supply Voltage:	12V to 32V (24V typical)
Output Voltage:	24 V
Output Channels:	3 Channels (1 x RGB)
Output Power:	3x 25 W (1 A / Channel)
Network Protocol:	DMX 512 A
Temperature range:	-10°C to +70°C
Storage temperature range:	-40°C to 120°C

6 Installation properties:

Setting DMX Start Address:

The Controller uses 3 DMX Addresses with 8 bit configuration (Standard). The DMX Start-address of a new Controller is set 1 - 3. For auto-addressing connect the controllers in your system and run auto-addressing with the DMXLED - Master (Instructions see Datasheet DMXLED-Master).