

04/05-1

Datasheet and connections

DIMLED Professional Dimming-Module, adjustable from 0-100%

For UHB Light Emitting Diodes, Luxeon-LEDs, LEDBARs etc.- no soldering required



DIMLED

adjustable dimming-module for LED-circuits with ultra high bright LEDs, LEDBARs, for LED-circuits with high-power LEDs a.e. Luxeon Stars, for TTL-compatible dimming control with HKO and KONLUX modules etc. , with LED-Clusters, LINEARlight®, BACKlight®, OSRAM®, VOSSLOH® etc.

With PWM-Output for connecting additional circuits, e. g. Master-Slave Modules (may remain unused).

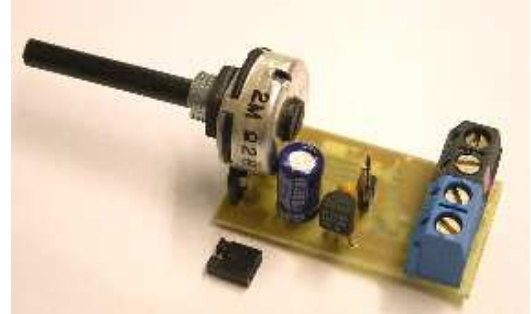
Both outputs can be used simultaneously or single.

Connecting-terminals with wire-protection.

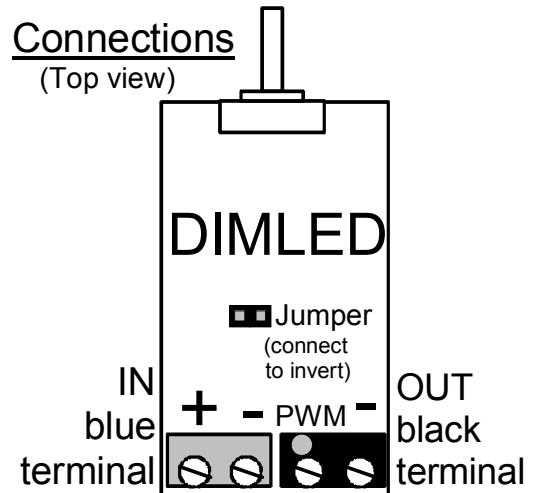
No special equipment needed for mounting: Only a 6-mm-diameter drill-hole to tighten the module, common 4-mm buttons for the potentiometer.

Technical Data:

- Operating Voltage: min. 5 V up to 30 Volt DC max.
- Input: protected against confusion of the poles up to max. 40 Volt
- Output current: up to 1800 mA
- Dimming range: 0 to 100 % in 256 digital steps
- Drop: only a few millivolts depending on load
- Switching: Jumper for inverting (for KONLUX, HKO and similar circuits)
- Output PWM: For controlling of external modules and circuits with TTL-level, MS-Module etc.
- Connection: Connecting-terminals with wire-protection (use simple screwdriver).
Blue terminal = Input from power-source(+ and – are marked)
Black terminal = Connections for LED-circuit (marked with PWM and LED -)
PWM = Output for the connection of additional modules (red dot)
- for the connecting to the minus pole of LEDBARs etc.
- Dimensions: 20 mm (W) x 38 mm (L) x 25 mm (H) (without potentiometer)
- Axis: 4 mm diameter
- Drilling: 6 mm diameter for the potentiometer
The axis can be shortened to fit any purposes.
- Weight: appr. 12 Gramms



The dimmer can control without any problems 20 LEDBAR/4 with 12 LEDs each simultaneously.



A detailed manual containig connection examples will be delivered with the module.

The module is connected to switch the minus-pole of the LEDs or LED-circuits against ground. When controlling TTL-compatible circuits, for example Konlux/HKO it is necessary to connect the jumper (included) for inverting the output signal.

Attention! Minus LED may not be connected to minus power source (GND)!