



PL-DR-3 3 Channel LED dimmer with DMX interface



Product Description - PL-DR-3 – 3 channel LED driver with DMX control

This LED driver in a UL approved wall mount can be installed 100 ft away from the LED lighting, just two wires with AWG 18 or AWG 20 connect it to up to 30 watts of LED light per channel in series. Combined with the PL-DMX-Switch it allows new and remodel construction and no licensed electrician for installation. The PL-DR series has low standby power, and is configurable for 200ma up to 1000 ma LED current requirements. The wide output voltage range of 5 to 50 volts fits the NEC codes for low voltage wiring and allows any LED fixture to be used.

Installation is scalable and no programming is required for single room installations. Yet, the device builds up to 8 rooms and 32 LED strings without any master controller. With a programmable master controller, up to 128 rooms and 1000 LEDs can be controlled. It uses the industry standard DMX512 protocol at a revolutionary cost.

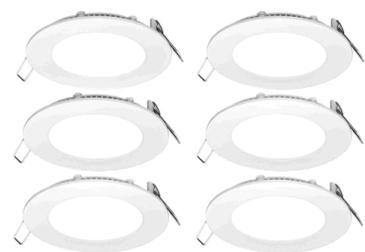
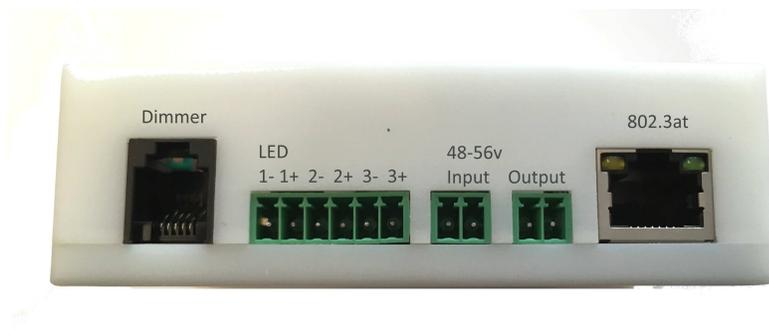
Intended for use with PL-DMX wall switches, it supports single to N-way light control, with smooth dimming to very low levels. The PL-DMX-Switch operates just like any standard residential light switch – however it uses DMX512 for communication with other devices. It is the easiest to install indoor lighting solution. The PL-DMX-Switch takes power from the any PL series LED driver, up to 1000 ft over standard CAT-3 2 pair telephone wire. The PL-DMX can be daisy chained with up to 8 on one telephone type wire connection. Each one has 16 addresses for controlling 16 PL-Drivers individually or 8 PL-Drivers in N-way mode.

Fully scalable to a 512 light DMX universe, this building block in a 100% low voltage led lighting solution allows low cost installations of light in new and remodel construction.

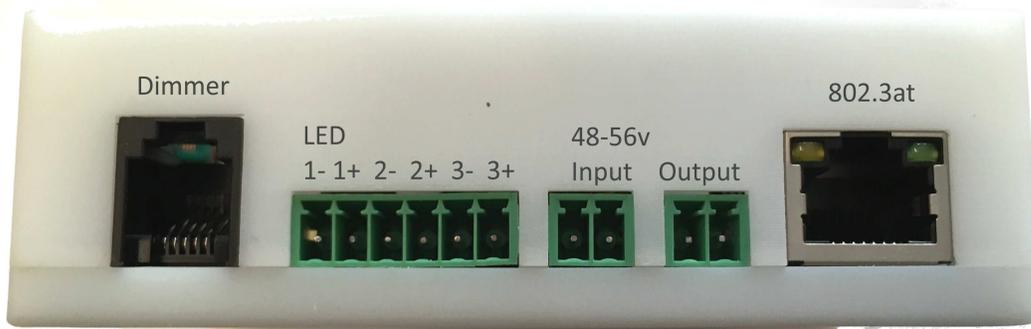
A full PL-Driver and PL-Dimmer installation allows N-way lighting controls for long hallways or stairways with multiple stories and a switch on each floor.

Specifications

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|-----------------------|--|
| Power input | 100-240 VAC 50/60 Hz class II isolated |
| Power output | 9v to 50 volts 30 watts max |
| Output current | Programmable from 200 ma to 975 ma |
| DMX in | 4 pin DMX input from next PL-Driver or DMX console |
| DMX out | 4 pin DMX output to next PL-Driver |
| PL-Dimmer connection | One RJ11 for up to 8 PL-Dimmers |
| LED output connector | ideal 30-083 |
| Addressing | 512 unit addresses in DMX format |
| Protection | Reverse, short and static protection |
| Operating Temperature | 0°C ~ 50°C |
| Size | 165 x 78 x 42 mm |



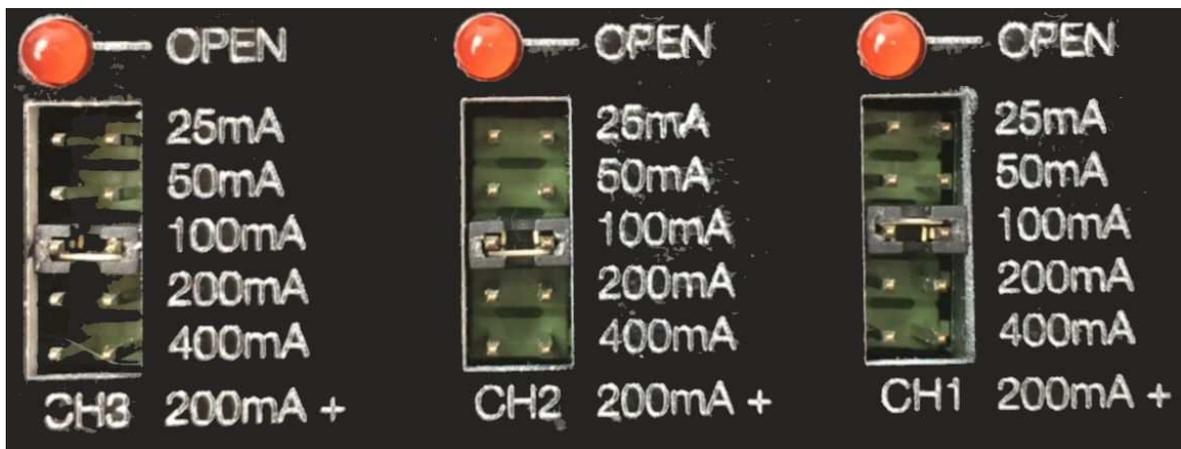
LED lights



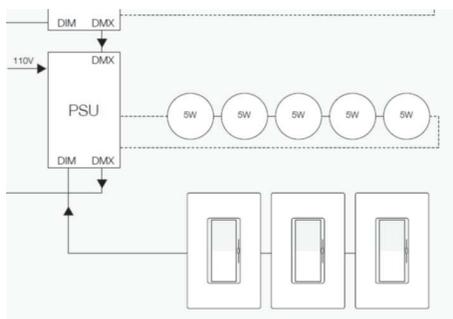
Connection to dimmers 3x Led power out Power in / out 802.3af power



DMX Address 1-7 = DMX address / 4 8 = RGB (on) white (off)
 Example: white at base address 56 000111000



Current selection – 200 to 975 ma



LEDs and Dimmers work in Series



PL-Dimmer



Back of the PL-Dimmer