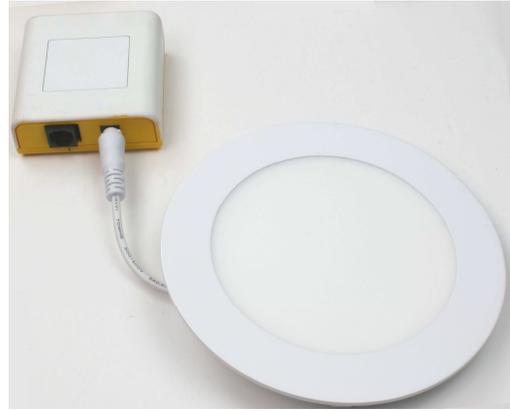




PL-PoE-DR1 LED dimmer with PoE and DMX interface



Product Description - PL-PoE-DR1 – PoE powered LED driver with DMX control

This LED driver in a compact module can be installed 328 ft away from a PoE source and 100 ft from a string of 4 to 6 LED lights, just two wires with AWG 18 or AWG 20 connect it to up to 30 watts of LED light in series. One CAT-5e cable connects the driver to a PoE injector. No licensed electrician is required for installation. The PL-PoE 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 LEDs 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 2-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.

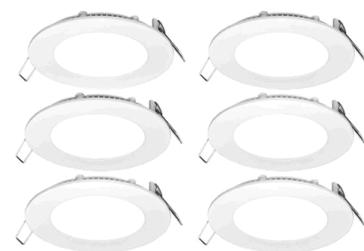
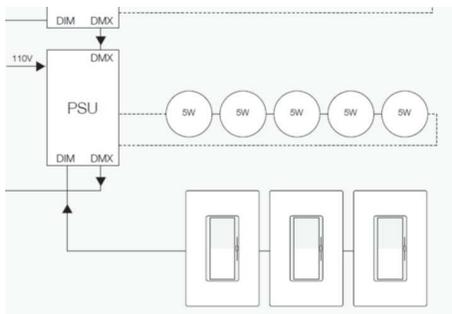
A full PL-Driver and PL-Dimmer installation allows N-way lighting controls for long hallways or stairways with multiple stories and a switch on each floor.

Specifications

Power input	44 to 56 volts 802.3af or 802.3at Passive PoE can also be used
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	2.1mm x 5.5mm
Addressing	512 unit addresses in DMX format
Protection	Reverse, short and static protection
Operating Temperature	0°C ~ 50°C



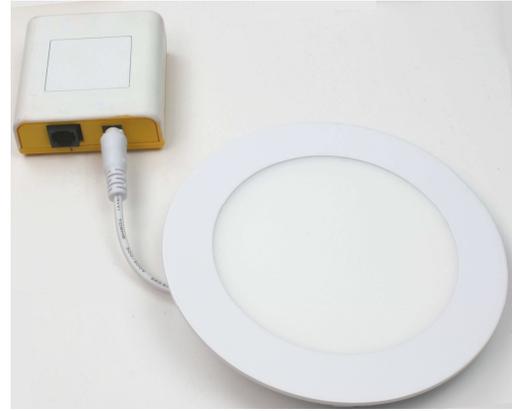
PL-Dimmer back side
and gang mode



LED lights



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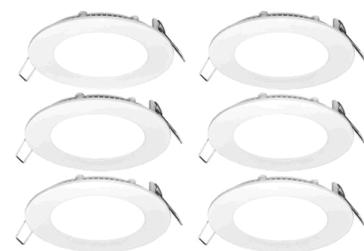
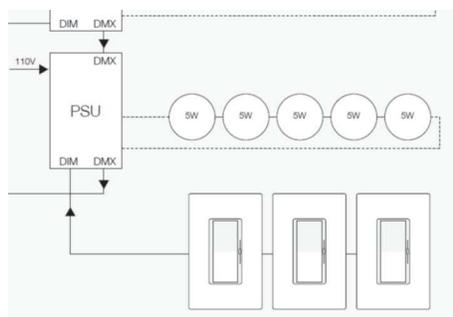
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LED lights