



AL-AT-DR1-20w Constant Current LED driver with 802.3af and 802.3at PoE interface



Product Description - AL-AT-DR-1-20watt – PoE powered LED driver

This LED driver in a compact module can be installed 328 ft away from a PoE source and 100 ft from of 1 to 8 LED COB type lights, just two wires with AWG 18 or AWG 20 connect it to up to 28 watts with constant current . One CAT-5e cable connects the driver to a PoE injector or switch. No licensed electrician is required for installation. The AL-AT-DR1 series has low standby power, and is configurable for 300ma, 600 or 700 ma LED current requirements. The wide output voltage range of 9 to 50 volts fits the NEC codes for low voltage wiring and allows any LED fixture to be used.

Intended for use with any 802.3at, 802.3af or passive Poe injector or switch, the output current automatically adjust to match the PoE source. With 802.3af switches – 300 ma (12 watts) , with 802.3at switches 600 ma (20 watts). Thus power can be controller for 10 watt or 20 watts via a managed PoE switch.

Remote control by PIR detector or Dusk / Dawn Photocell is built in.

Specifications for AL-AT-DR1-20watt

Power input	44 to 56 volts 802.3af or 802.3at or Passive PoE
Input Connector	RJ45 standard connector
Power output	9v to 50 volts 30 watts max
Hot Swap	LED load can be disconnected under power
802.3af keep alive	300 mw standby load for keep-alive – either via internal load or into the LED
Output current	Jumper Options 300 ma , 600 ma, 700 ma
LED output connector	Luminaire
Pinout 802.3af / 802.3at	Pins 1,2 and 3,6 provide power either polarity Automatic power detection feature: a) with 802.3af max current 300 ma = 12 watts b) with 802.3at max current 700ma = 20 watts
Pinout passive PoE	Optional passive PoE input with 0 mw standby, higher efficiency than 802.3af/at
Protection	Reverse, short and static protection
Operating Temperature	0°C ~ 50°C



Specifications for AL-AT-DR1-OEM

Power input	44 to 56 volts 802.3af or 802.3at or Passive PoE
Input Connector	ZHR10 connector cable provided
Power output	9v to 50 volts 30 watts max
802.3af keep alive	300 mw standby load for keep-alive
Output current	Programmable 600 or 800 ma
Pinout 802.3af / 802.3at	Pins 1,2 and 3,6 provide power either polarity
Pinout passive PoE	Optional passive PoE input with 0 mw standby and higher efficiency
Operating Temperature	0°C ~ 50°C

