

EUP24T-1H24V-0

TRIAC Constant Voltage Dimming Driver

Summary

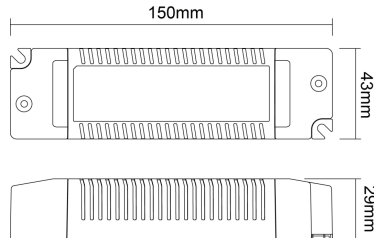
EUP24T-1H24V-0 is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens, Dalitek etc.) to achieve a smooth dimming effect.

Product Features

- Single channel constant voltage output, 1A Max
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Dimming range from 40VAC to 240VAC
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- Suitable for constant voltage LED lighting application, such as LED strip, wall washer, in-Ground lamps, flood light, and so on



Dimension (mm)



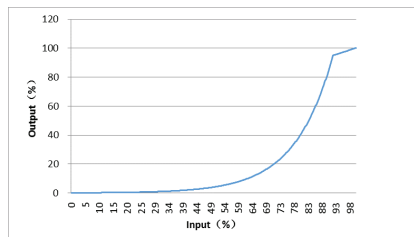
Technical Parameters

Model	EUP24T-1H24V-0	
Output	Channels	1
	Voltage	24VDC
	Current	1A
	Power	24W
	Voltage accuracy	±3%
Input	Voltage	220-240VAC
	Dimming voltage range	40-240VAC
	Frequency	50/60Hz
	Current	0.15Amax@230VAC
	Power factor	>0.95@230VAC,full load
	THD	<20%@230VAC,full load
	Efficiency	83%@230VAC,full load
	Inrush current	Cold start,15A(twidth=60us measured at 50% Ipeak)@230VAC
Protection	Short circuit	Close output,recovers automatically after fault removed
	Over load	Close output , recovers automatically after fault removed
	Over temperature	Shut down the output, recovers automatically whentemp. back to normal.
Function	Dimming	Triac/ELV
Others	Dimension	150*43*29 mm (L*W*H)
	G.W	150g
	IP rating	IP20
	Working temp.	-20℃ ~ 50℃
	Relative humidity	20~90% RH

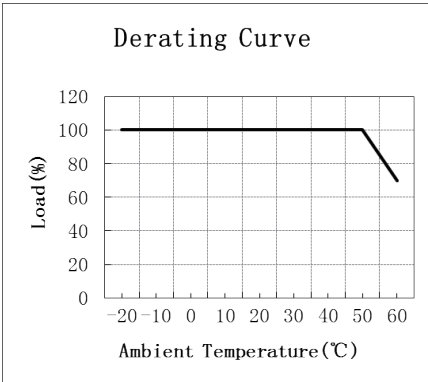
Wiring Diagram



Dimming Curve



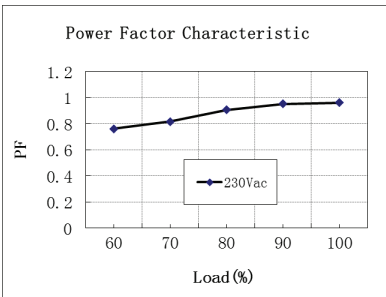
Derating Curve



Cautions

- 1.The product shall be installed and serviced by a qualified person.
- 2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
- 5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

PF vs load



Note: For capacitive load, the larger inrush current will reduce the service life of the electrolytic capacitor. Before using this product, please contact the relevant technical personnel to match and verify.