

# EUP10T-1HMC-0

## TRIAC Constant Current Dimming Driver

### Summary

EUP10T-1HMC-0 is a constant current output mode LED driver. The output current can be easily set via DIP switch. 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.



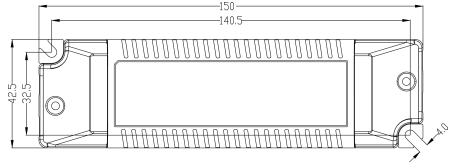
### Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Dimming range from 40VAC to 240VAC
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- Suitable for indoor LED lighting application, such as down light, spotlights, panel light, and so on

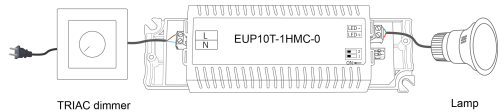
### Technical Parameters

Model	EUP10T-1HMC-0				
Output	Current	120mA	180mA	240mA	300mA
	Voltage	9-40VDC	9-40VDC	9-40VDC	9-33VDC
	Power	4.8W	7.2W	9.6W	9.9W
	Current Accuracy	±5%			
	No Load Output Voltage	48VDC Max			
	Output LF current ripple(< 120 Hz)	<3%			
	Channels	1			
Input	Voltage	220-240VAC			
	Frequency	50/60Hz			
	Power factor	≥ 0.95@230VAC, full load			
	Efficiency	73%@230VAC, full load			
	THD	< 20%@230VAC, full load			
	Current	0.07Amax@230VAC			
	Inrush Current	Cold start, 6 A(t=width 30us measured at 50% peak) @ 230VAC			
Protection	Short circuit	Shut down the output automatically recovers after faulty condition is removed.			
	Over load	When the output voltage is exceeded, decreases and, recovers automatically when the load is reduced.			
	Over temperature	Shut down the output, recovers automatically when temp. back to normal.			
Function	Dimming	Triac/ELV			
Others	Dimension	150*43*29 mm (L*W*H)			
	G.W	125g			
	Working temp.	-20C~50C			
	Relative humidity	20~90% RH			

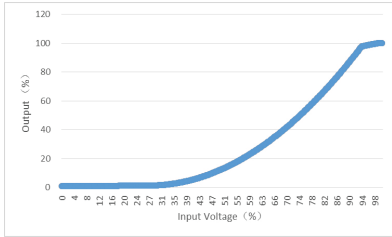
### Dimension (mm)



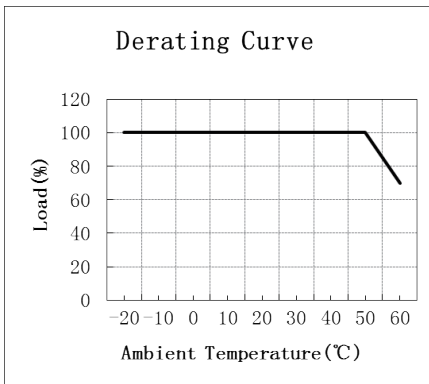
### Wiring Diagram



**Dimming Curve**



**Derating Curve**



**Current Selection Table**

EUP10T-1HMC-0 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

Current	DIP-1	DIP-2
120mA	OFF	OFF
180mA	ON	OFF
240mA	OFF	ON
300mA	ON	ON

Remark: Function default setting is: 120mA (@switch are all OFF state)

**Cautions**

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 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.Due to safety concerns, PVC or rubber cord of 0.75-2.5mm<sup>2</sup> is recommended for input and output terminal(s) . Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.In case of malfunction, do not repair it yourself.