

EUP40A-1WMC-1

1-10V Constant Current Dimming Driver



Summary

EUP40A-1WMC-1 is a constant output mode LED driver. The output current can be easily set via DIP switch, and the driver can be adjusted by the external 1-10VDC active signal, PWM signal, or adjustable resistance to achieve the smooth dimming effect.

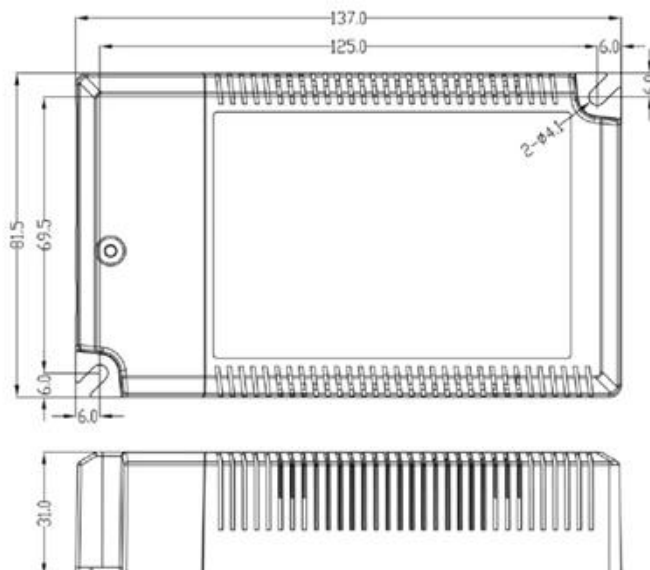
Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support 3-in-1 dimming mode(1-10V active signal, adjustable resistance, PWM)
- Wide input voltage of 100VAC ~ 240VAC
- High efficiency up to 86%
- Built-in active PFC function
- 100% output when no dimming signal input, can be used as normal power supply
- Dimming effect smooth, no flicker
- Protections: Over load
- Suitable for indoor LED lighting application, such as down light, panel light, and so on

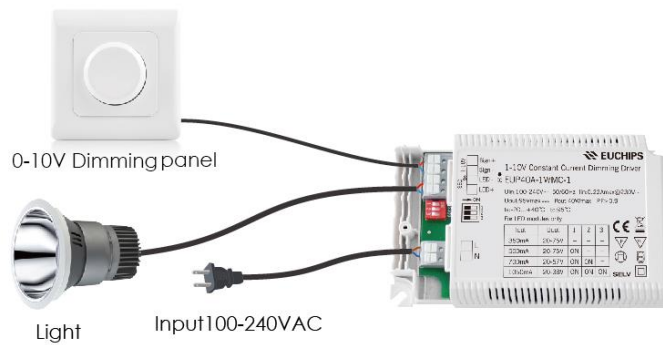
Technical Parameters

Model		EUP40A-1WMC-1			
Output	Current	350mA	500mA	550mA	700mA
	Voltage	20-75VDC	20-75VDC	20-72VDC	3-57VDC
	Power	26.25W	37.5W	39.6W	39.9W
	Current	700mA	850mA	900mA	1050mA
	Voltage	3-57VDC	3-47VDC	3-44VDC	20-38VDC
	Power	39.9W	39.9W	39.6W	39.9W
	Current Accuracy	±3%			
	Maximum Output Voltage	95VDC			
	Output LF current ripple(< 120 Hz)	<3%			
	Channels	1			
Input	Voltage	100– 240VAC			
	Frequency	50/60Hz			
	Power factor	≥0.9@230VAC,full load			
	Efficiency	86%@230VAC,full load			
	Current	0.22Amax@230VAC			
	Inrush Current	20A@230VAC			
Protection	Over Load	Above 110%-150% of rated power, constant voltage limit			
Function	Dimming	1-10V active signal, adjustable resistance, PWM			
Others	Dimension	137*82*31 mm (L*W*H)			
	G.W	245g			
	Working temp.	-20℃ ~ 40℃			
	Relative humidity	20~90% RH			

Dimension(mm)



Wiring Diagram



Current Selection Table

EUP40A-1WMC-1 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

Current	DIP-1	DIP-2	DIP-3
350mA	OFF	OFF	OFF
500mA	ON	OFF	OFF
550mA	OFF	ON	OFF
700mA	ON	ON	OFF
700mA	OFF	OFF	ON
850mA	ON	OFF	ON
900mA	OFF	ON	ON
1050mA	ON	ON	ON

Remark: Function default setting is: 350mA (@switch are all OFF state)

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.