

EUP15A-1HMC-1 (Product No.:103100111201)

Summary

EUP15A-1HMC-1 is a constant current output mode LED driver. The output current can be easily set via DIP switch, and the driver can be adjusted by the external 0/1-10VDC 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(0/1-10V active signal, adjustable resistance, PWM)
- Class 2 power supply. Full protective plastic housing
- 100% output when no dimming signal input, can be used as normal power supply
- 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



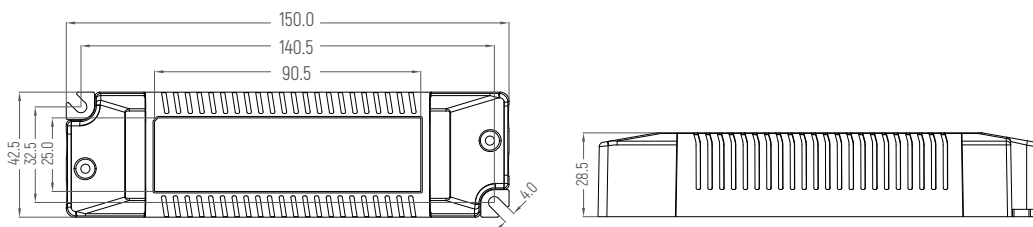
Application



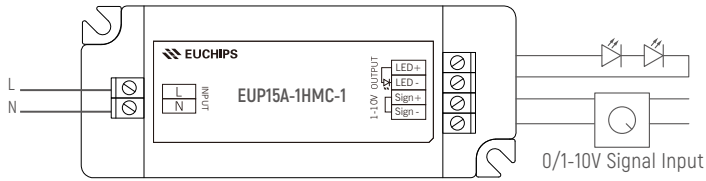
Technical Parameters

Model	EUP15A-1HMC-1															
Input	Efficiency	82%@230VAC, Full load														
	Voltage	220VAC-240VAC														
	Frequency Range(Hz)	50/60Hz														
	Power Factor	>0.5@230VAC, Full load														
	AC Current(max)	0.2Amax@230VAC														
	Inrush Current(max)	Cold start, 15A(twidth=22us measured at 50% Ipeak)@230VAC														
Output	Current(mA)/Voltage (VDC) Power(W)	280mA/9-40VDC/11W 350mA/9-40VDC/14W 450mA/9-33VDC/14.85W														
	Ripple Current	<3%														
	Channel	1														
	Current Tolerance	±5%														
	Standby Power	<1W														
	No load output voltage	48V Max														
	Current Selection Table															
<table border="1"> <tr> <td>ON</td> <td>OFF</td> <td>1 2</td> <td>1 2</td> <td>1 2</td> </tr> <tr> <td></td> <td></td> <td>280mA</td> <td>350mA</td> <td>450mA</td> </tr> <tr> <td></td> <td></td> <td>9-40V</td> <td>9-40V</td> <td>9-33V</td> </tr> </table> <p>Remark: Function default setting is: 280mA (@switch are all OFF state)</p>		ON	OFF	1 2	1 2	1 2			280mA	350mA	450mA			9-40V	9-40V	9-33V
ON	OFF	1 2	1 2	1 2												
		280mA	350mA	450mA												
		9-40V	9-40V	9-33V												
Function	Dimming Type	0/1-10V active signal, adjustable resistance, PWM														
	Dimming Range	0.1%-100% Dimming to off														
Protection	Short Circuit	after fault removed Close output ,the output current recovers automatically														
	Over Load	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.														
	Over Temperature	Shut down the output, recovers automatically when temp. back to normal.														
Others	Working Temp.	-20°C~50°C														
	Storage Temp., Humidity	-40°C~85°C, 20-90%RH														
	tc	90°C														
	Material	PC														
	IP Rating	IP20														
	Lifetime	30,000h@tc:80°C														
	Warranty Condition	3 years														
	Switch Cycle	>15,000 times														
	Packing(weight)	Net weight: 120g±5%/PCS; 50PCS/Carton; 6.5kg±5%/Carton; Carton Size: 319*254*136mm(L*W*H)														
	Dimension	150*43*29mm (L*W*H)														

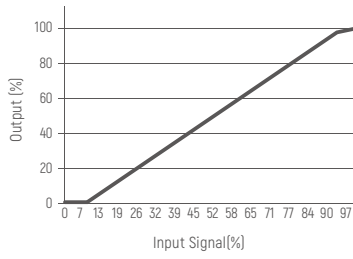
Dimension(mm)



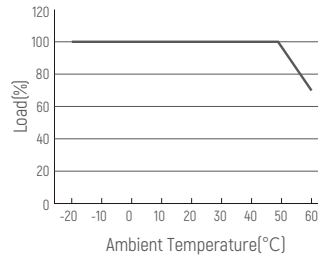
0/1-10V Wiring



Dimming Curve



Derating Curve



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- 2.5mm² is recommended for input and output terminal(s)(excluding signal terminals). 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.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions .