

EUP30A-1HMC-1 (Product No.:103100240101)

Summary

EUP30A-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)
- High input voltage of 220VAC ~ 240VAC
- High efficiency up to 87%
- 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: Short circuit, over load, over temperature
- Suitable for indoor LED lighting application, such as down light, panel light, and so on



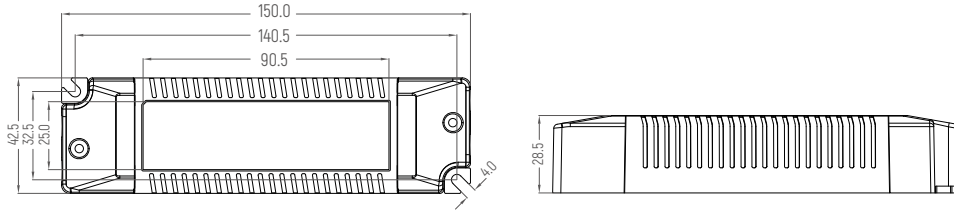
Application



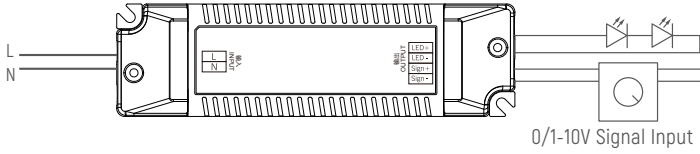
Technical Parameters

Model	EUP30A-1HMC-1																																																																						
Input	Efficiency	87%@230VAC, Full load																																																																					
	Voltage	220VAC-240VAC																																																																					
	Frequency Range(Hz)	50/60Hz																																																																					
	Power Factor	≥0.95@230VAC, Full load																																																																					
	THD(full load)	<10%@230VAC, Full load																																																																					
	AC Current(max)	0.17Amax@230VAC																																																																					
	Inrush Current(max)	Cold start, 28A(twidth=30us measured at 50% Ipeak)@230VAC																																																																					
Output	Current(mA)/Voltage (VDC)	550mA/9-45VDC/24.75W	600mA/9-45VDC/27W	650mA/9-45VDC/29.25W	700mA/9-43VDC/30.1W																																																																		
	Power(W)	750mA/9-40VDC/30W	800mA/9-38VDC/30.4W	850mA/9-35VDC/29.75W	900mA/9-34VDC/30.6W																																																																		
	Ripple Current	<3%																																																																					
	Channel	1																																																																					
	Current Tolerance	±5%																																																																					
	Standby Power	<1W																																																																					
	No load output voltage	50V Max																																																																					
		Current Selection Table <table border="1"> <tr> <td>ON</td> <td>OFF</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> <tr> <td></td> <td></td> <td>550mA</td> <td>600mA</td> <td>650mA</td> <td>700mA</td> <td>750mA</td> <td>800mA</td> <td>850mA</td> <td>900mA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>9-45V</td> <td>9-45V</td> <td>9-45V</td> <td>9-43V</td> <td>9-40V</td> <td>9-38V</td> <td>9-35V</td> <td>9-34V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Remark: Function default setting is: 550mA (@switch are all OFF state)</p>				ON	OFF	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA															9-45V	9-45V	9-45V	9-43V	9-40V	9-38V	9-35V	9-34V												
ON	OFF	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																																		
		550mA	600mA	650mA	700mA	750mA	800mA	850mA	900mA																																																														
		9-45V	9-45V	9-45V	9-43V	9-40V	9-38V	9-35V	9-34V																																																														
Function	Dimming Type	0/1-10V																																																																					
	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.																																																																					
Safety& EMC	Surge	L-N:500V																																																																					
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA																																																																					
	Safety Standards	EN61347, GB19510																																																																					
	EMC Eission	EN50515, EN61000-3-2																																																																					
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547																																																																					
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: 155g±5%/PCS; 50PCS/ Carton; 8.25kg±5%/Carton; Carton Size: 333*268*150mm(L*W*H)																																																																					
	Dimension	150*43*29mm (L*W*H)																																																																					

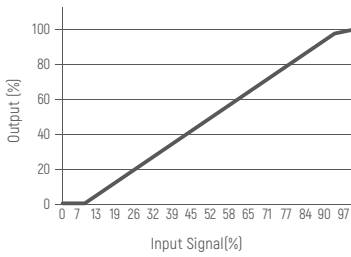
Dimension(mm)



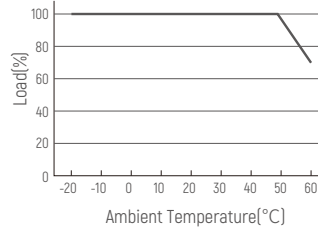
0/1-10V Wiring



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 .