

## EUP40D-2HMC-0(Product No.:102100860101)

### Summary

EUP40D-2HMC-0 is a LED controller that provides two channels outputs.The user can select the total output current via DIP switch.It supports DALI standard protocol and adjustment of brightness and colour temperature.



### Product Features

- Meet DALI Protocol IEC 62386 DT8
- SELV. Full protective plastic housing
- High efficiency up to 87 %
- Built-in active PFC function
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over temperature
- The positive output of the two channels is common
- Supports adjustment of brightness and colour temperature.



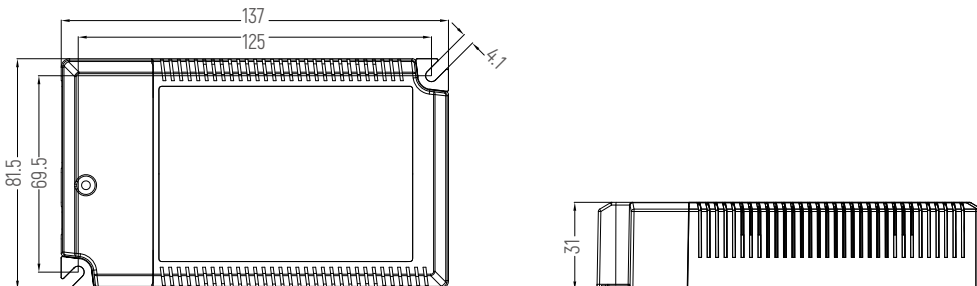
### Application



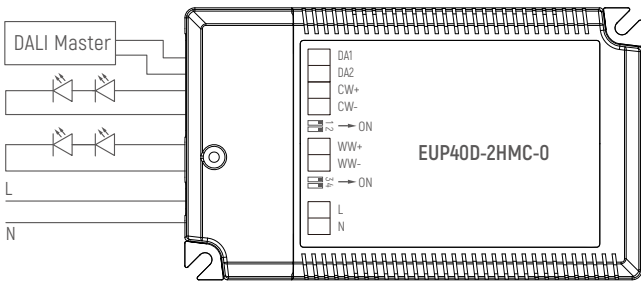
### Technical Parameters

Model	EUP40D-2HMC-0			
Input	Efficiency	87%@230VAC,Full load		
	Voltage	220VAC-240VAC		
	Frequency Range(Hz)	50/60Hz		
	Power Factor	≥0.95@230VAC,Full load		
	THD(full load)	<15%@230VAC, Full load		
	AC Current(max)	0.2Amax@230VAC		
	Standby power	<0.5W		
	Inrush Current(max)	Cold start,12A(twidth=50us measured at 50% Ipeak)@230VAC		
Output	Current(mA)/Voltage (VDC) Power(W)	600mA/9-42VDC/25.2W	700mA/9-42VDC/29.4W	800mA/9-42VDC/33.6W
	Output Lf Current Ripple(<120hz)	<3%		
	Channel	2		
	Current Tolerance	±5%		
	No load output voltage	50VDC		
Function	Dimming Type	DALI Dimming		
	Brightness Range	0.1%-100% Dimming to off		
	Color Temperature	3000-6000K		
Protection	Over Temperature	When tc exceeds 105°C,shut down the output, recoversautomatically, when temp. back to 85°C		
	Over load	Hiccup, when the output power exceeds the rated power of 100-120%,then,recoversautomatically after fault removed		
	Short Circuit	Close output , recovers automatically after fault removed		
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	50,000h@tc:75°C		
	Warranty Condition	5 years		
	Switch Cycle	>100,000 times		
	Packing(weight)	Net weight: 225g±5%/PCS; 50PCS/Carton;11.75kg±5%/Carton; Carton Size: 517*337*179mm(L*W*H)		
Dimension	137*82*31mm (L*W*H)			

### Dimension(mm)

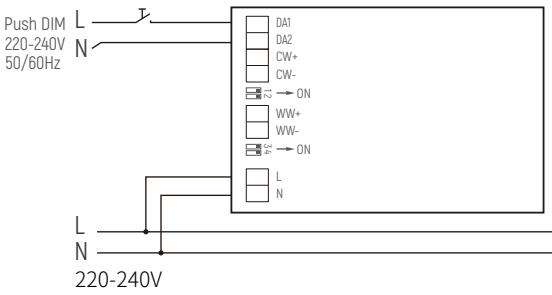


## DALI Wiring



Note: When the DALI signal is not connected, the output power of WW (warm light) channel is full, while that of CW (cold light) channel is not.

## Push DIM(Touch DIM) Diagram

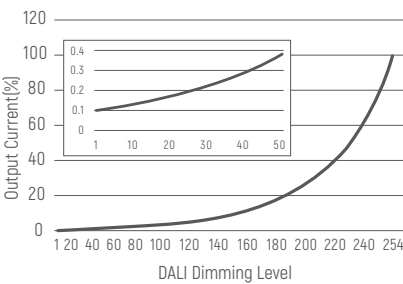


Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

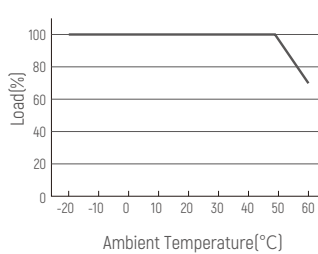
## Push DIM/Color Switch

1. Press and hold the push DIM switch for 8s or more to enter the push dimming mode.
2. Press the push DIM switch briefly to turn on or off the lamp and return to the last memory state.
3. Press and hold the push DIM switch for dimming, stop at the current brightness when releasing, and adjust in the opposite direction every time, with the dimming range of 5% - 100%
4. Double click the push DIM switch to turn on the lamp to the brightest and cool light (this function is also used to adjust the consistency of multiple power supplies in the same circuit)
5. Colour switch is valid only after entering push DIM mode.
6. Press colour SWITCH briefly to set the color temperature mode, with 9 values between 2,700 and 6,500K.
7. Long press Colour SWITCH can continuously adjust the color temperature. Every long press, the color temperature will be adjusted in the opposite direction, with the color temperature range of 2700-6500K.
8. Double click colour switch, turn on the lamp to the brightest, cold light (this function is also used to adjust the consistency of multiple power supplies in the same circuit)

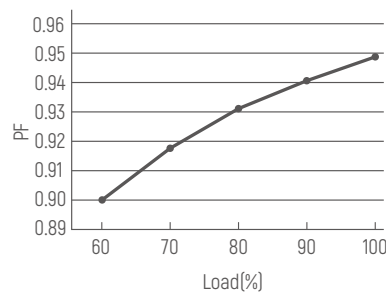
## Dimming Curve



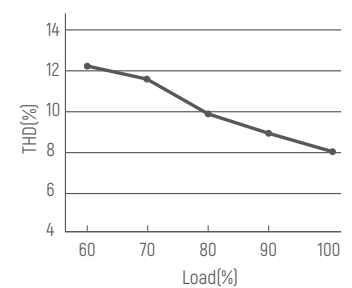
## Derating Curve



## PF vs load



## THD vs Load



## Current Selection Table

Current	CW-1	CW-2	WW-1	WW-2
600mA	ON	OFF	ON	OFF
700mA	OFF	ON	OFF	ON
800mA	ON	ON	ON	ON

## 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. Due to safety concerns, cables for input and output terminal(s) must meet the following requirements: Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
6. The max quantity of drivers that connect to MCB type B16A is 80.
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.