

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.



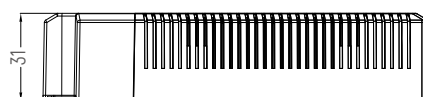
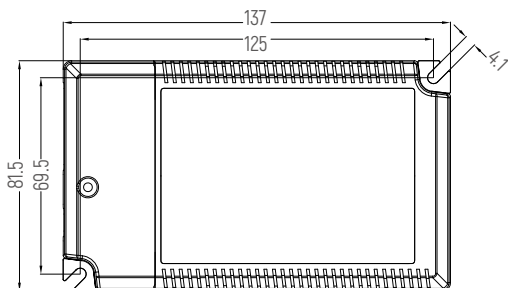
Application



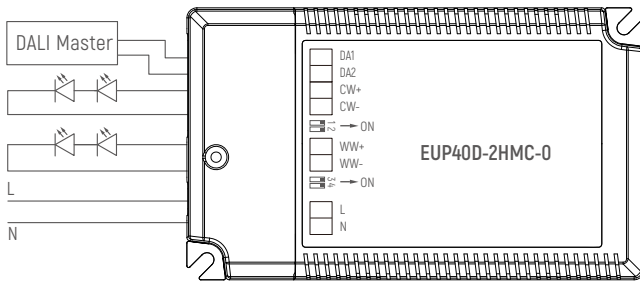
Technical Paramaters

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)

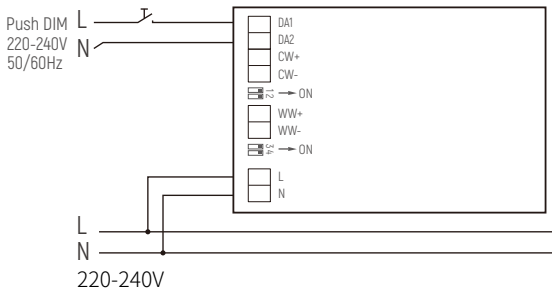


DALI Wiring



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

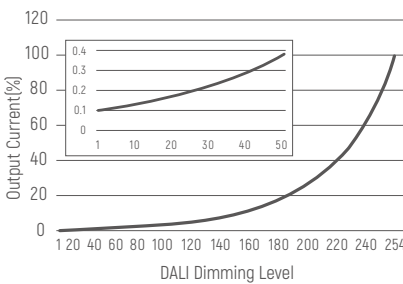


Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

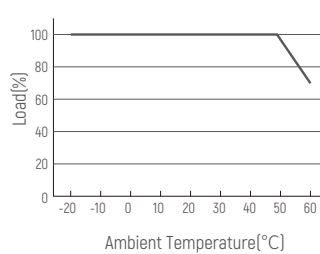
Push DIM/Color Switch

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)

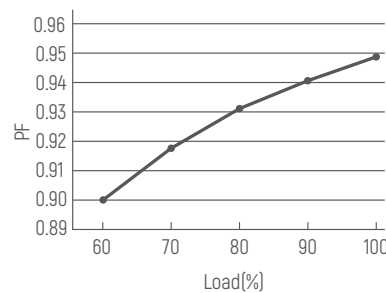
Dimming Curve



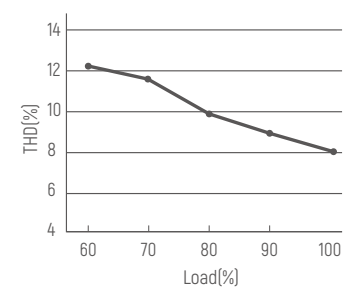
Derating Curve



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.

EUP40D-2HMC-0(产品代码:102100860101)

概述

EUP40D-2HMC-0 是一款可以提供两路输出的LED驱动器. 用户可以通过拨码开关选择输出电流, 电源的总输出功率为34W/800mA. 并且, 每路都可以输出最大34W/800mA. 支持DALI标准协议, 可以同时实现亮度和色温调节. 曲线平滑、无闪烁。



产品特点

- 符合DALI标准协议IEC 62386 DT8
- Class 2电源, 全防护塑胶外壳
- 内建主动式PFC
- 高效率达87%
- 调光曲线平滑, 无闪烁
- 短路保护, 过载保护, 过温保护
- 共阳极输出, 用于调节LED灯具的色温和亮度



应用



壁灯/
吸顶灯



装饰灯



落地灯



面板灯



射灯



筒灯

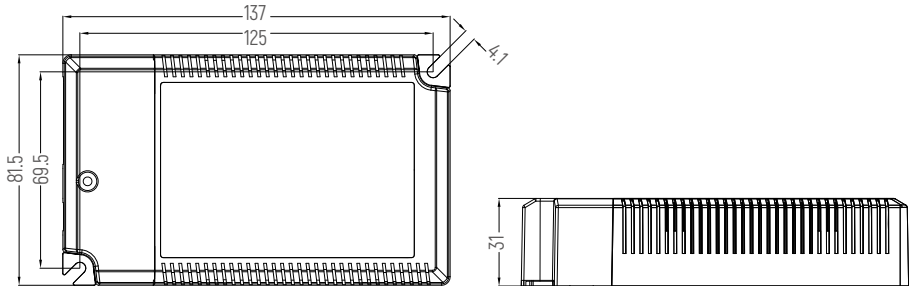


投光灯

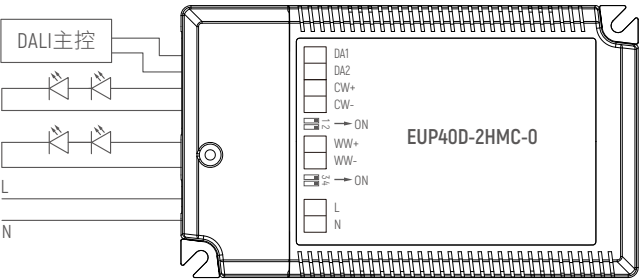
技术参数

型号	EUP40D-2HMC-0			
输入	效率	87%@230VAC, 满载		
	电压	220VAC-240VAC		
	频率	50/60Hz		
	功率因素	≥0.95@230VAC, 满载		
	THD	<15%@230VAC, 满载		
	电流	0.2Amax@230VAC		
	待机功耗	<0.5W		
	浪涌电流	冷启动12A[在50%Ipeak 下测试twidth=50us]@230VAC		
输出	电流/电压/功率	600mA/9-42VDC/25.2W	700mA/9-42VDC/29.4W	800mA/9-42VDC/33.6W
	低频电流纹波(<120Hz)	<3%		
	通道	2		
	电流公差	±5%		
	空载输出电压	50VDC		
功能	调光方式	DALI 调光		
	调光范围	0.1%-100% 变暗直至关闭		
	色温范围	3000-6000k		
保护	短路	关断输出, 移除故障后自恢复		
	过载	输出电压超过额定值时, 输出电流降低, 故障去除后正常工作		
	过温	关闭输出, 温度恢复后, 电源正常工作		
其它	工作温度	-20°C~50°C		
	储存温度、湿度	-40°C~85°C, 20-90%RH		
	tc	90°C		
	材质	PC		
	防水等级	IP20		
	寿命	50,000小时@tc:75°C		
	质保	5年		
	开关周期	>100,000次		
	包装尺寸(重量)	净重: 225g±5%/PCS; 50PCS/Carton; 11.7kg±5%/箱; 外箱尺寸: 517*337*179cm[长*宽*高]		
	尺寸	137*82*31mm (长*宽*高)		

尺寸(mm)

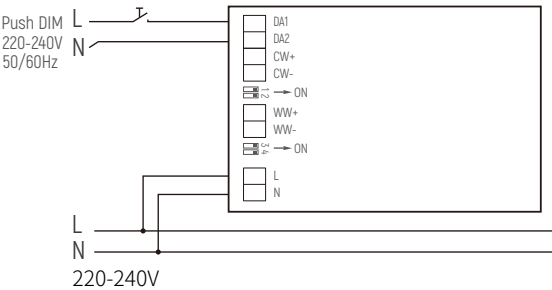


接线图



备注: 不接DALI信号时, 输出WW(暖光)通道输出满功率, CW(冷光)通道无输出.

Push DIM (Touch DIM)应用图

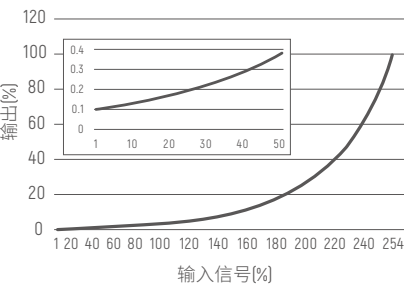


备注: 只能使用开路的按压式开关(不带指示灯). 采用同步连线时每个设备和设备之间的线长不超过20米.

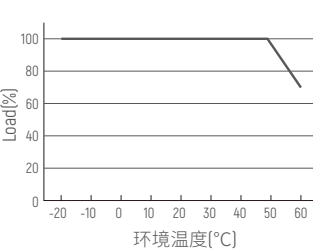
Push DIM/Coloer Switch 功能

1. 长按Push DIM开关8s及以上进入PUSH调光模式
2. 短按Push DIM开关打开或关灭灯具, 回到上次记忆状态
3. 长按Push DIM开关进行调光, 释放时停在当前亮度, 每次都往相反的方向调, 调光范围为5%-100%
4. 双击Push DIM开关, 灯具开到最亮, 冷光 (此功能也用于调整同一回路里多台电源的一致性)
5. 只有进入Push DIM模式后, Colour switch才有效,
6. 短按Colour SWITCH 可以在9个不同色温场景中进行选择, 范围在2700到6500K之间。
7. 长按Colour SWITCH 可以对色温进行连续调节, 每隔一次长按, 色温会向相反方向调整, 色温范围2700-6500k。
8. 双击colour switch, 灯具开到最亮, 冷光 (此功能也用于调整同一回路里多台电源的一致性)

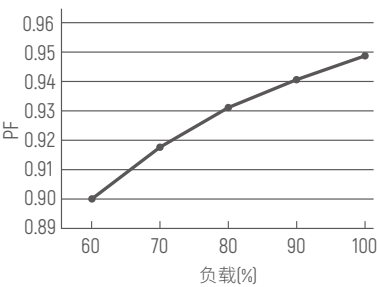
调光曲线



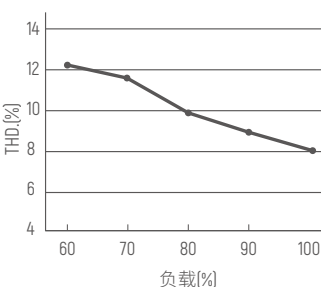
降额曲线



PF vs 负载



THD vs 负载



电流选择表

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

注意事项:

1. 本产品请由具有专业资格的人员进行调试安装。
2. 本产品不能防水, 需避免日晒雨淋, 如安装在户外, 请用防水箱。
3. 良好的散热条件会延长产品的使用寿命, 请把产品安装在通风良好的环境。
4. 请检查使用的LED电源输出电压电流, 是否符合产品要求。
5. 出于安全考虑, 推荐输入和输出(信号端除外)用0.75-1.5mm² PVC或橡胶线缆, 并确保接线牢固, 以免电线过热或接触不良触发事故。扁平电源线不适用。
6. 通电调试前, 应确保所有接线正确, 以避免因接线错误而导致灯具损坏。
7. 如果发生故障, 请勿私自维修; 如果有疑问, 请联系供应商。

※ 本说明书内容如有更新, 恕不另行通知。若您使用的产品功能与说明书不一致时, 请以产品为准。如有疑问请与我们联系。