

EUP40D-2HMC-0(Product No.:102100861101)

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.



Tunable White(DT8)

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.



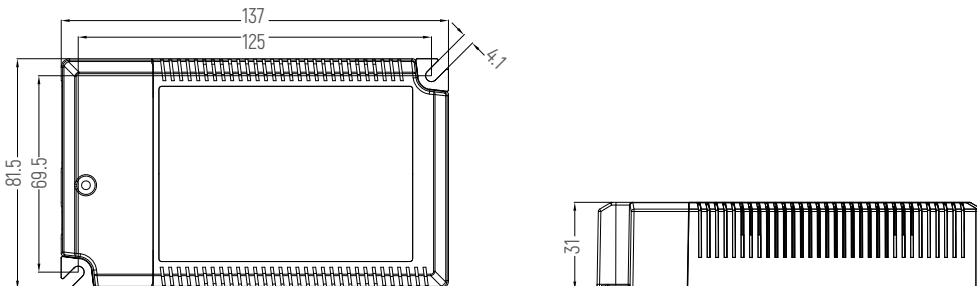
Application



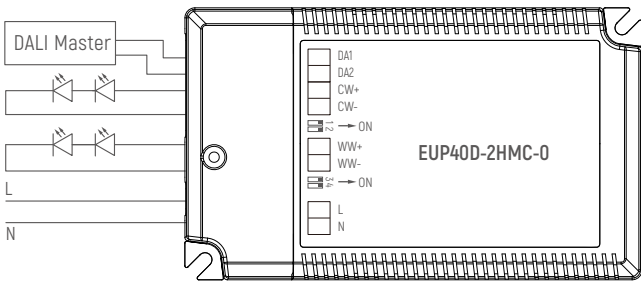
Technical Parameters

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)	500mA/9-42VDC/21W	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)

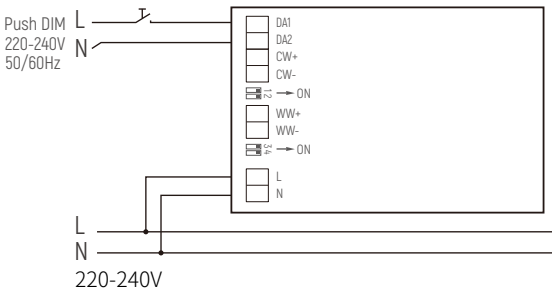


DALI Wiring



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

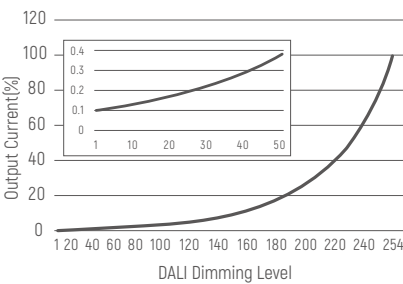


Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

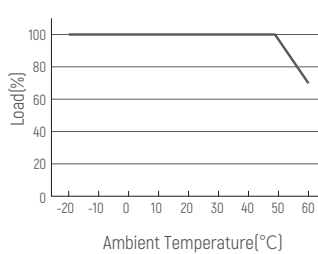
Push DIM

1. Press and hold the Touch DIM switch for 8s or more to enter the touch dimming mode.
2. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
3. Long press the Touch DIM switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
4. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
5. Triple-click the Touch DIM switch (<0.3s), then all lamps enter to the mode of adjusting color temperature, and short press the Touch DIM switch will exit the mode.
6. Long press the Touch DIM switch (>0.5s) under the mode of color temperature can continuously adjust the color temperature. Every long press, the color temperature will be adjusted in the opposite direction.
7. The brightness adjustment range is 5%-100%, the color temperature adjustment range is 2700-6500K.
8. With the Power off memory function, the power-down state will be recovered when power on again.

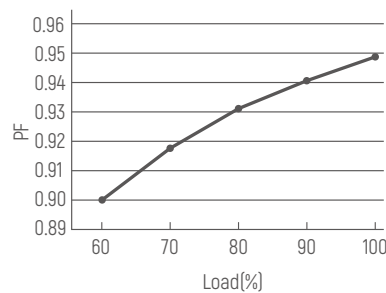
Dimming Curve



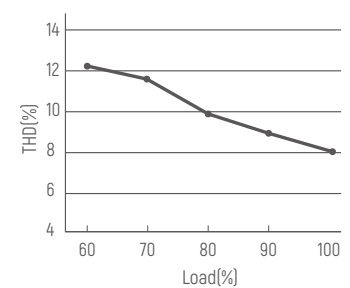
Derating Curve



PF vs load



THD vs Load



Current Selection Table

Current	CW-1	CW-2	WW-1	WW-2
500mA	OFF	OFF	OFF	OFF
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:102100861101)

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.



Tunable White(DT8)

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



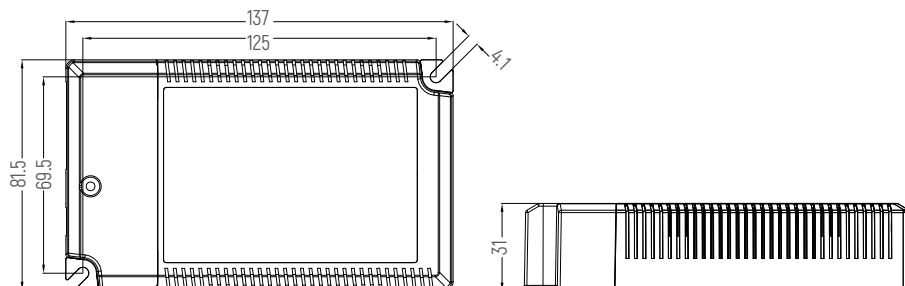
应用



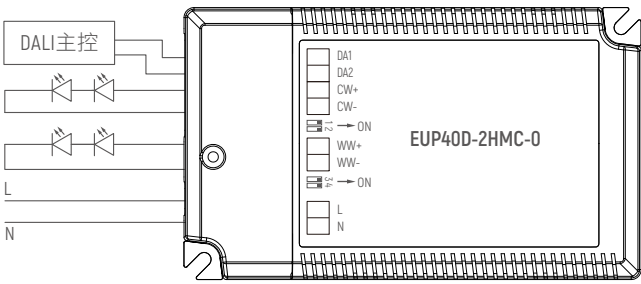
技术参数

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	500mA/9-42VDC/21W	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)

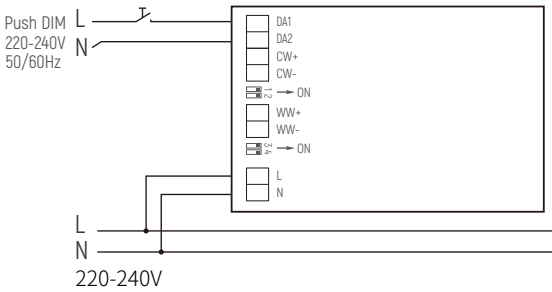


接线图



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

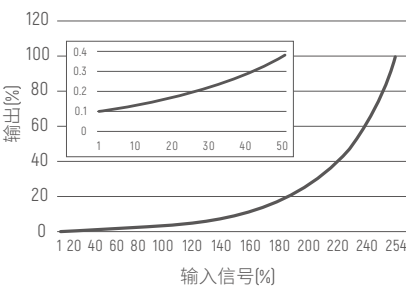


备注: 只能使用开路的按压式开关(不带指示灯). 采用同步连线时每个设备和设备之间的线长不超过20米.

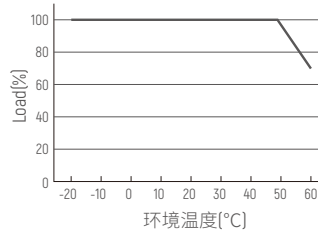
Push DIM 功能

1. 长按Touch DIM 8s以上, 切换为Touch DIM模式。
2. 短按Touch DIM 开关 (<0.5秒) 进行对灯的开关控制。
3. 长按Touch DIM 开关 (>0.5秒) 进行灯具的亮度调节,光是调亮还是调暗, 随着每次按压的开关变化而变换。
4. 双击Touch DIM 开关 (<0.3秒), 连接的所有灯具将达到最亮状态。
5. 三击Touch DIM 开关 (<0.3秒), 灯具进入色温调节模式, 短按退出色温调节模式。
6. 在色温模式下长按Touch DIM 开关 (>0.5秒) 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。
7. 亮度调节范围为5%-100%, 色温调节范围2700-6500K。
8. 具有断电记忆功能, 重新上电将恢复到上一次断电的状态。

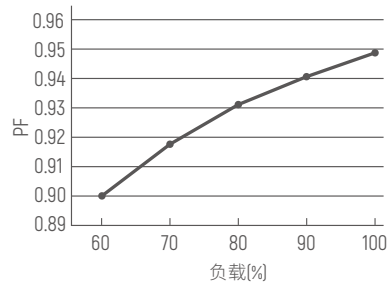
调光曲线



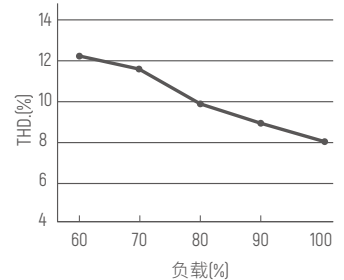
降额曲线



PF vs 负载



THD vs 负载



电流选择表

电流	CW-1	CW-2	WW-1	WW-2
500mA	OFF	OFF	OFF	OFF
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。