EUCHIPS

EUP40D-1HMC-0 (Product No.:102100240101)

Summary

EUP40D-1HMC-0 is a constant output mode LED driver. The output current can be easily set via DIP switch, EUP40D-1HMC-0 can be connected to DALI master or Touch DIM to achieve a smooth dimming effect.

Product Features

Single channel output, output current level selectable by DIP S.W.
Meet DALI Protocol IEC 62386
Support Touch-DIM function
High input voltage of 220VAC ~ 240VAC
High efficiency up to 88%
Built-in active PFC function
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







Panel Light

Downlight





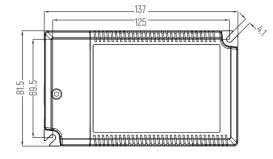
Decorative Light Floor Light



Technical Paramaters

Model	EUP40D-1HMC-0						
	Efficiency	88%@230VAC,Full load					
	Voltage	220VAC-240VAC					
	Frequency Range(Hz)	50/60Hz					
Input	Power Factor	≥0.95@230VAC,Full load					
mpac	THD(full load)	<10%@230VAC, Full load					
	AC Current(max)	0.23Amax@230VAC					
	Standby power	<0.5W					
	Inrush Current(max)	Cold start,40A(twidth=12.8 us measured at 50% Ipeak)@230VAC					
	Current(mA)/Voltage (VDC)	850mA/9-45VDC/38.25W 950mA/9-42VDC/39.9W 1050mA/9-38VDC/39.9W 1150mA/9-35VDC/40.25W					
	Power(W)	900mA/9-44VDC/39.6W 1000mA/9-40VDC/40W 1100mA/9-36VDC/39.6W 1200mA/9-33VDC/39.6W					
	Ripple Current	<3%					
Output	Channel	1					
	Current Tolerance	±5%					
	No load output voltage	55V Max					
	Turn on delay Time	<1.5s, at230Vac					
Function	Dimming Type	DALI /Touch DIM(Push DIM)					
Function	Dimming Range	1%-100% Dimming to off					
	Short Circuit	Close output, recovers automatically after fault removed					
Protection	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.					
	Working Temp.	-20°C~50°C					
	Storage Temp., Humidity	y -40°C~85°C, 20-90%RH					
	Tc	95°C					
	Material	PC					
Others	IP Rating	IP20					
	Lifetime	50,000h@tc:75°C					
	Warranty Condition	5 Years					
	Switch Cycle	>100,000 tims					
	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)					

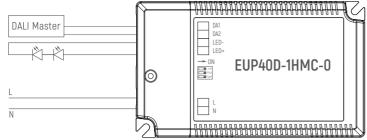






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DALI Wiring

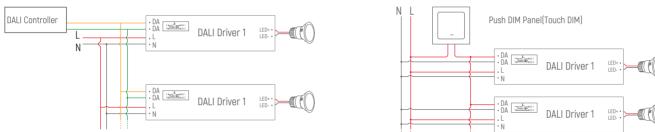


Current Selection Table

		1 2 3							
ON	OFF	850mA	900mA	950mA	1000mA	1050mA	1100mA	1150mA	1200mA
		9-45V	9-44V	9-42V	9-40V	9-38V	9-36V	9-35V	9-33V

Remark: Function default setting is: 850mA (@switch are all OFF state)

DALI Diagram



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

Push DIM Function

- 1. Press the Push DIM (Touch DIM) switch for 8s or more, the driver can be controlled via Push DIM switch.
- 2. Short press the Push DIM (Touch DIM) switch (<0.5s) to control the lamp on or off.
- 3. Long press the Push DIM (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 Push DIM (Touch DIM) switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
- 5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Push DIM (Touch DIM) switch.
- 6. With the Power off memory function, the power-down state will be recovered when power on again.

Dimming Curve

120

100

60

40

20

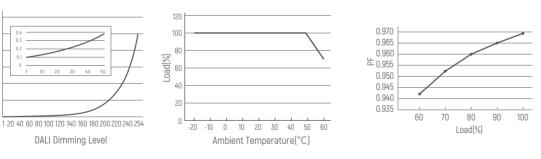
0

Output Current[%] 80





Push DIM(Touch DIM) Diagram



Cautions

1. This product should be installed by qualified personnel.

2.DALI and Touch-DIM functions can not be used at the same time.

3.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.

- 4.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 5.Please make sure LED power supply output voltage, current is used to meet the product requirements.

6.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.

7.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.

8.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 auestions