

EUP10D-1HMC-700-M

Summary

EUP10D-1HMC-700-M is a constant current output mode LED driver. Support DALI dimming function, Touch DIM (Push DIM) function. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the users and luminaire system during installation.

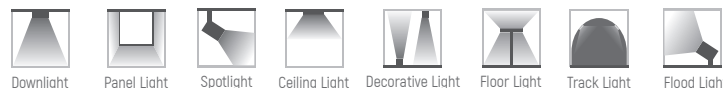


Product Features

- Single channel output, output current level selectable by DIP S.W.
- Support DALI dimming function, Touch DIM (Push DIM) function
- Dimming range: 0.1-100%, Dimming effect smooth, no flicker
- Protections: Short circuit, Over load, Over voltage
- Suitable for indoor LED lighting application



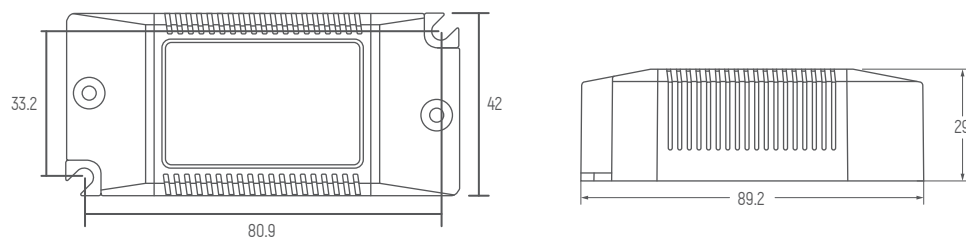
Application



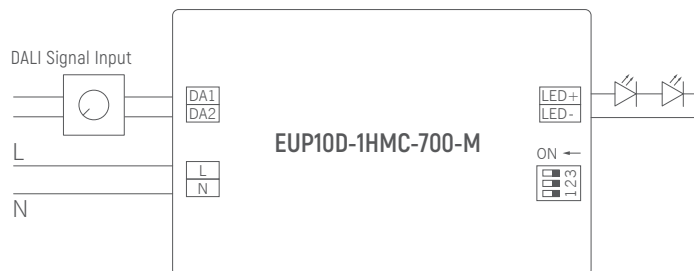
Technical Paramaters

Model	EUP10D-1HMC-700-M				
Input	Efficiency	≥78%@230VAC, Full load			
	Voltage	220VAC-240VAC			
	Frequency Range(Hz)	50/60Hz			
	Power Factor	>0.92@230VAC, Full load			
	THD(full load)	<15%@230VAC			
	AC Current(max)	0.075Amax@230VAC			
	Standby power	<1W			
	Inrush Current(max)	Cold start, 30A@230VAC			
Output	Current(mA)/Voltage (VDC)/Power(W)	350mA/2-21V/7.35W 400mA/2-21V/8.4W	450mA/2-21V/9.45W 500mA/2-20V/10W	550mA/2-18V/9.9W 600mA/2-16V/9.6W	650mA/2-15V/9.75W 700mA/2-14V/9.8W
	Ripple Current	<3%			
	Channel	1			
	Current Tolerance	±5%			
	Voltage Range	2-21V			
	Turn on delay Time	<0.5s, at 230Vac			
Function	Dimming Type	DALI /Touch DIM (Push DIM)			
	Dimming Range	0.1%-100% Dimming to off			
Protection	Short Circuit	Close output, recovers automatically after fault removed			
	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>0.5KV			
	Withstand Voltage	I/P-O/P: 3750VAC/1min/10mA; I/P-E: 1875VAC/1min/10mA			
	DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0			
	Safety Standards	EN61347, GB19510			
	EMI Emission	EN55015, EN61000-3-2			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547			
Others	Working Temp., Humidity	-20°C~50°C, 20-50%RH			
	Storage Temp., Humidity	-40°C~85°C, 5-70%RH			
	Tc	90°C			
	Material	PC			
	IP Rating	IP20			
	Lifetime	50,000h@tc:80°C			
	Warranty Condition	5 Years			
	Switch Cycle	>25,000 tims			
	Packing(weight)	Net weight: --g±5%/PCS; --PCS/Carton; --kg±5%/Carton; Carton Size: --mm(L*W*H)			
	Dimension	90*42*30mm(L*W*H)			

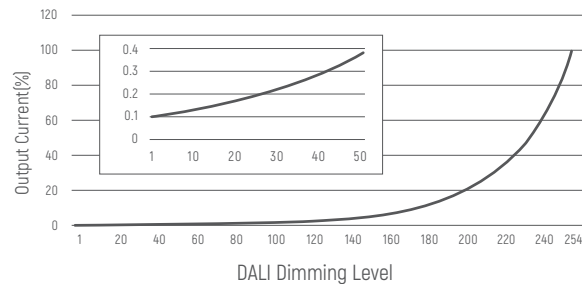
Dimension(mm)



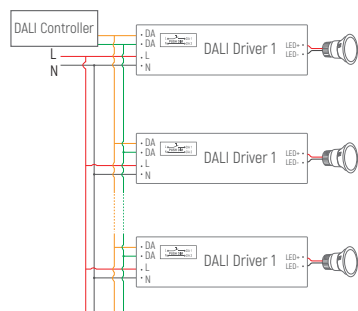
Wiring Diagram



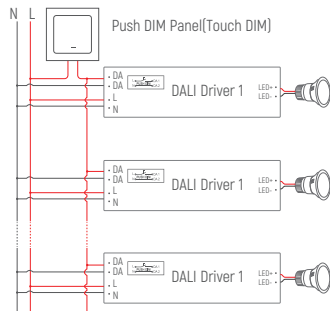
Dimming Curve



DALI Diagram



Touch DIM(Push DIM) Diagram



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

Push DIM Function

1. Press the Touch DIM (Push DIM) switch for 8s or more,the driver can be controlled via Push DIM switch.
2. Short press the Touch DIM (Push DIM) switch (<0.5s) to control the lamp on or off.
3. Long press the Touch DIM (Push 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 (Push 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 switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

Current Selection Table

EUP10D-1HMC-700-M is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

		1  2  3 	  	  	  	  	  	  	  
ON	OFF	350mA 2-21V	400mA 2-21V	450mA 2-21V	500mA 2-20V	550mA 2-18V	600mA 2-16V	650mA 2-15V	700mA 2-14V

EUP10D-1HMC-700-M

概述

EUP10D-1HMC-700-M是一款恒流输出模式LED驱动器.调光信号和输入及输出隔离，完全符合新标准要求，确保用户在灯具系统安装及使用中的安全。



产品特点

- 单通道输出，输出电流可通过DIP S.W.选择。
- 支持DALI调光功能, 触摸调光(按键调光)功能
- 调光范围：0.1-100%, 调光效果平滑，无闪烁
- 保护：短路、过载、过压
- 适用于室内LED照明应用，如筒灯、聚光灯、面板灯等



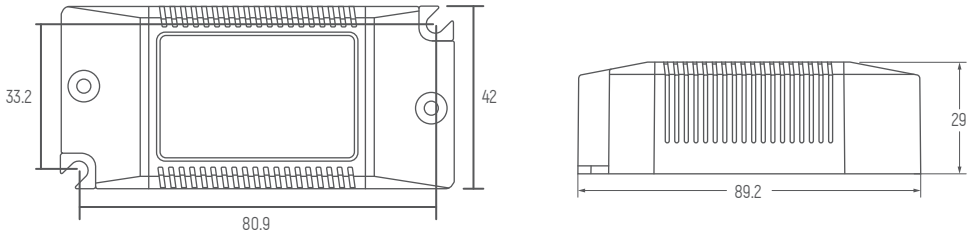
应用



技术参数

产品型号	EUP10D-1HMC-700-M				
输入	效率	≥78%@230VAC, 满载			
	电压	220VAC-240VAC			
	频率	50/60Hz			
	功率因数	>0.92@230VAC, 满载			
	THD	<15%@230VAC			
	电流	0.075Amax@230VAC			
	待机功耗	<1W			
	浪涌电流	Cold start, 30A@230VAC			
输出	电流/电压/功率	350mA/2-21V/7.35W 400mA/2-21V/8.4W	450mA/2-21V/9.45W 500mA/2-20V/10W	550mA/2-18V/9.9W 600mA/2-16V/9.6W	650mA/2-15V/9.75W 700mA/2-14V/9.8W
	低频纹波电流[<120Hz]	<3%			
	通道	1			
	电流精度	±5%			
	电压范围	2-21V			
	启动延时	<0.5s, at 230Vac			
功能	调光方式	DALI /Touch DIM (Push DIM)			
	调光范围	0.1%-100% 可调灭			
保护	短路	关闭输出，故障排除后自动恢复			
	过载	当超过输出电压时，输出电流减小，负载减小时自动恢复。			
	过温	关闭输出，当温度升高时自动恢复。恢复正常。			
安全与电磁兼容	浪涌	L-N>0.5KV			
	耐受电压	I/P-O/P: 3750VAC/1min/10mA; I/P-E: 1875VAC/1min/10mA			
	DALI标准	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-207: 2009, DALI 2.0			
	安全标准	EN61347, GB19510			
	电磁兼容	EN55015, EN61000-3-2			
其它	EMC电磁抗扰度	EN61000-4-2,3,4,5,6,8,11; EN61547			
	工作温度	-20℃~50℃, 20-50%RH			
	储存温度	-40℃~85℃, 5-70%RH			
	Tc	90℃			
	材质	PC			
	防水等级	IP20			
	寿命	50,000小时@tc:80℃			
	质保期	5年			
	开关机次数	>25,000次			
	装箱尺寸	净重: --g±5%/个; --个/箱; --kg±5%/箱; 外箱尺寸: --毫米(长*宽*高)			
	产品尺寸	90*42*30毫米(长*宽*高)			

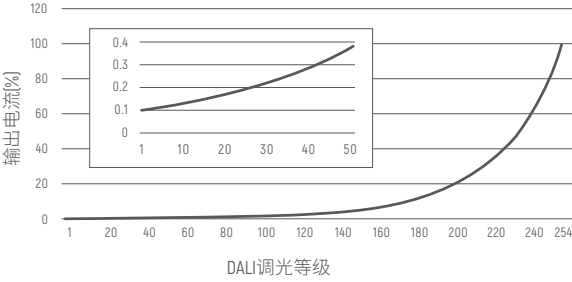
尺寸(mm)



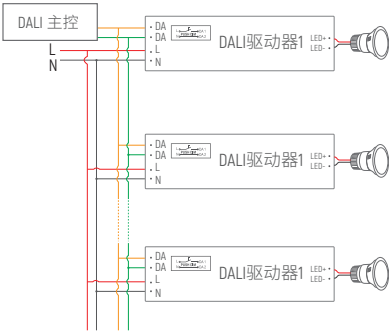
应用接线图



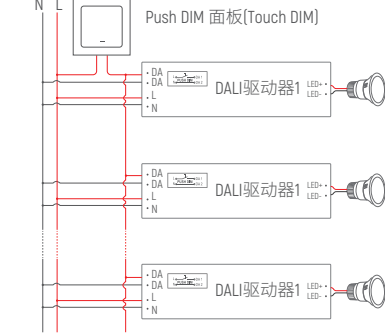
调光曲线



DALI接线图



Touch DIM(Push DIM) 接线图



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.短按Push DIM (Touch DIM) 开关 (<0.5秒) 进行灯的亮暗控制。
- 2.长按Push DIM (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。
- 3.双击Push DIM (Touch DIM)开关 (<0.3秒) , 连接的所有灯具将达到最亮状态。
- 4.亮度调节范围为1%-100%。
- 5.具有断电记忆功能，重新上电将恢复到上一次断电的状态。

电流选择表

EUP10D-1HMC-700-M是一个多电流调光驱动器，输出电流可通过DIP S.W.选择，如下所示：

ON	OFF	1	2	3	4	5	6	7	8	9	10
		350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA		
		2-21V	2-21V	2-21V	2-20V	2-18V	2-16V	2-15V	2-14V		

备注：出厂默认设置电流为350mA (1,2,3在OFF状态)

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0.75-1.5mm²PVC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。