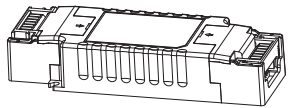


DALI调光LED驱动电源



使用说明书



CN

使用说明书
MI251104A0

特点

- 全范围调光无频闪
- NFC 编程技术
- 待机功耗<0.5W
- 具备初级 PUSH 调光功能,PUSH 调光具有状态记忆功能
- 具备 DALI2 调光功能
- 具备集中式应急供电功能 DT19,具备 CLO 功能
- 短路 / 过压 / 过温保护,过温后降低输出电流
- 5 年质保

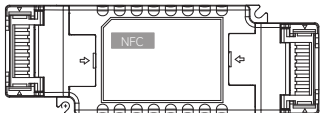
开关机及调光操作说明

1. 短按 PUSH 开关(短按时间 0.1S-1S),LED 驱动器将开灯或关灯;
2. 调光: 按住 PUSH 开关(1S-8S),LED 驱动器可以实现调光,调光范围为 2-100%;
3. 记忆: PUSH 调光具有调光记忆功能;
4. 调光同步: 通过按住 PUSH 开关 15 秒以上,可以同步连接到同一 PUSH 开关的电源;
5. DALI 调光模式: 将电源连接到 DALI 系统,可以通过 DALI 主机调光.调光范围为 0-100%。

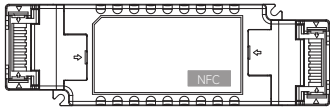
注意事项

1. 在LED驱动连接上LED灯点亮时,不允许有LED灯与LED驱动的断开与接通的操作,否则可能损坏LED灯;
2. LED驱动输入断电后,输出端会有残留电压,可维持约3分钟。建议在LED驱动输入断开状态,并短路LED驱动的输出后再连接LED灯到驱动上;
3. 在使用Merrytek NFC配置参数前,请确保LED驱动输入已断电。

NFC 天线位置



KL20C-PDiiN



KL35C-PDiiN

APP使用说明



扫描下方二维码
下载 Merrytek APP



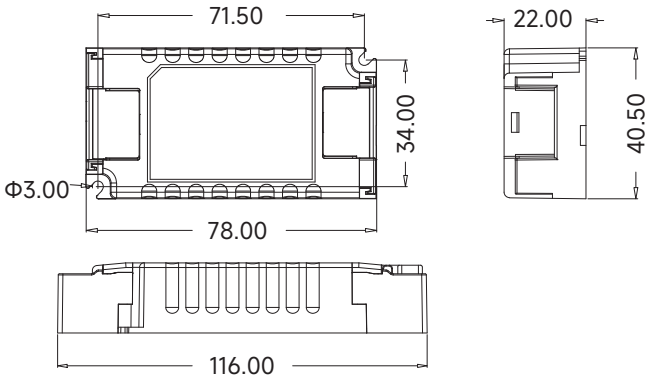
扫描下方二维码
下载使用说明

参数

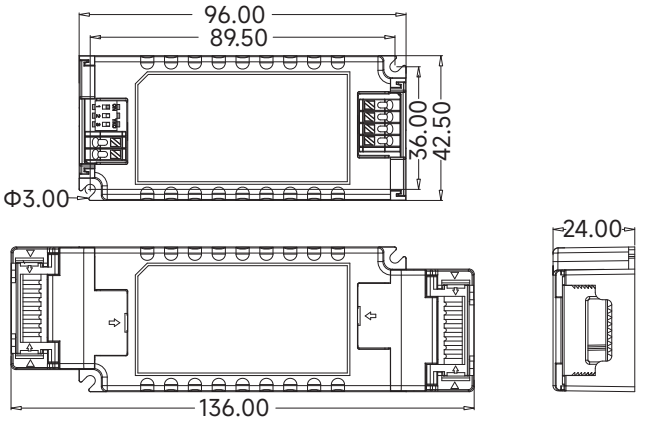
型号	KL20C-PDiiN	KL35C-PDiiN
额定电压	220-240Vac 50Hz/60Hz	
输入电流	0.11A Max.	0.19A Max.
工作模式	恒流	
待机功耗	≤ 0.5W @230Vac 当 Push 和 DALI 关断时(满载情况下)	
功率因素	≥ 0.93	≥ 0.95
控制接口	初级 PUSH 调光(最大线缆长度: 20 米)	
	DALI2 调光(最大线缆长度: 300 米)	
负载电流	100-550mA	500-1050mA
	100mA 3-45Vdc 0.3-4.5W; 150mA 3-45Vdc 0.5-6.8W; 200mA 3-45Vdc 0.6-9.0W; 250mA 3-45Vdc 0.8-11.3W; 300mA 3-45Vdc 0.9-13.5W; 350mA 3-45Vdc 1.1-15.8W; 400mA 3-45Vdc 1.2-18.0W; 450mA 3-45Vdc 1.4-20.3W; 500mA 3-40Vdc 1.5-20.0W; 550mA 3-36Vdc 1.7-19.8W;	500mA 3-40Vdc 1.5-20.0W; 550mA 3-40Vdc 1.7-22.0W; 600mA 3-40Vdc 1.8-24.0W; 650mA 3-40Vdc 2.0-26.0W; 700mA 3-40Vdc 2.1-28.0W; 750mA 3-40Vdc 2.3-30.0W; 800mA 3-40Vdc 2.4-32.0W; 850mA 3-40Vdc 2.6-34.0W; 900mA 3-39Vdc 2.7-35.1W; 950mA 3-37Vdc 2.9-35.2W; 1000mA 3-35Vdc 3.0-35.0W; 1050mA 3-33Vdc 3.2-34.7W;
	通过 Merrytek NFC 配置工具来设置更多的电流档位,步进为 1mA。	
输出过温保护	有,不可自恢复(具有可查询功能)	
输出短路 / 空载 / 过载保护	有,可以自恢复(具有可查询功能)	
电磁兼容 (EMC) 标准	EN55015 EN61547 EN61000-3-2 EN61000-3-3	
DALI 协议标准	IEC62386-102, IEC62386-207 DT6 / 220 DT19 / 251 / 252 / 253	
安规标准	EN61347-1 EN61347-2-13	
PUSH 同步调光上限	并联: 15 units Max. 串联: 25 units Max.	
符合认证	CE, CB, ENEC, UKCA	
工作环境温度 / 湿度	-25°C~+50°C 湿度: 85%(非结露)	
储存温度 / 湿度	-40°C~+80°C 湿度: 85%(非结露)	
安装类型	内置式安装 / 独立安装	
尺寸(含端盖)	116*40.5*22mm	136*42.5*24mm
尺寸(不含端盖)	78*40.5*22mm	96*42.5*24mm
防护等级	IP20	
质保	5 年 @Ta 230V 满负载	

尺寸 (mm)

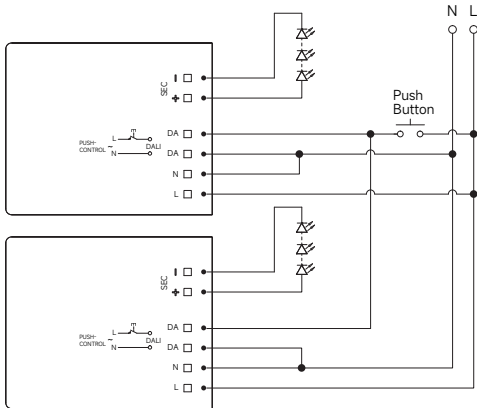
KL20C-PDiiN



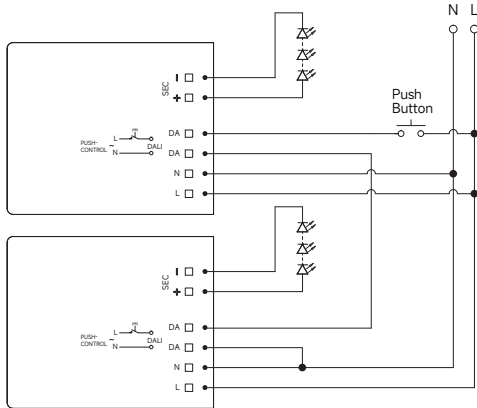
KL35C-PDiiN



PUSH调光接线图

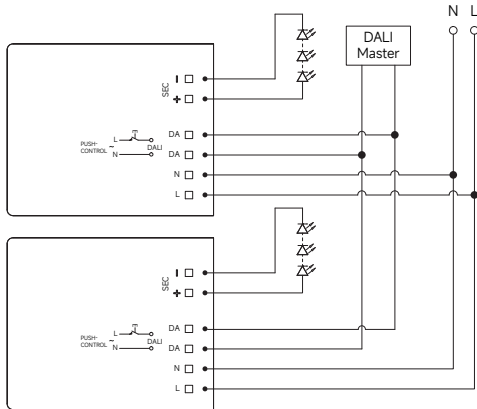


并联



串联

DALI调光接线图



注意

1. 本产品的安装维保等电气操作需专业电工或具备对应电气操作技能人员操作。
2. 操作前请切断电源并仔细阅读接线图。



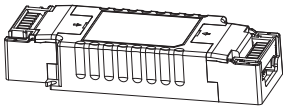
FAQ

问题	原因	解决方案
灯不亮	接线不正确	检查接线
	驱动器已被按压信号关闭	长按PUSH按钮重启驱动
灯光不同步	快速按动开关	长按按键至少15秒以重新同步。避免快速按压按键。

深圳迈睿智能科技有限公司

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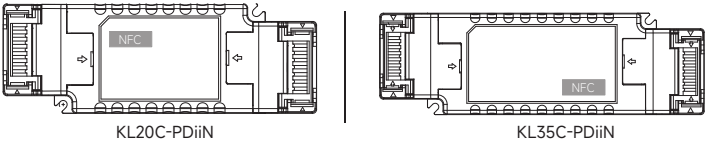
DALI 2 Dimmable LED driver



User's Manual



NFC ANTENNA LOCATION



APP INSTRUCTIONS



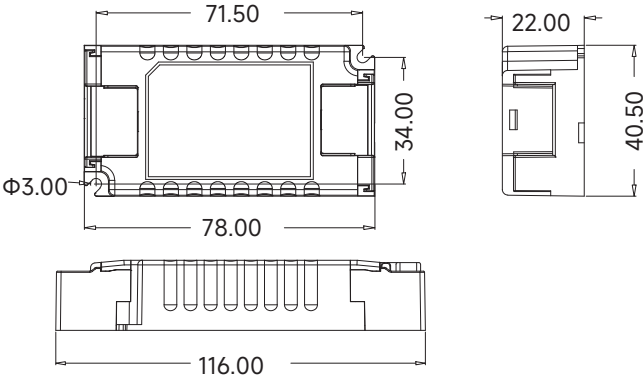
Scan the QR code
to download
Merrytek APP



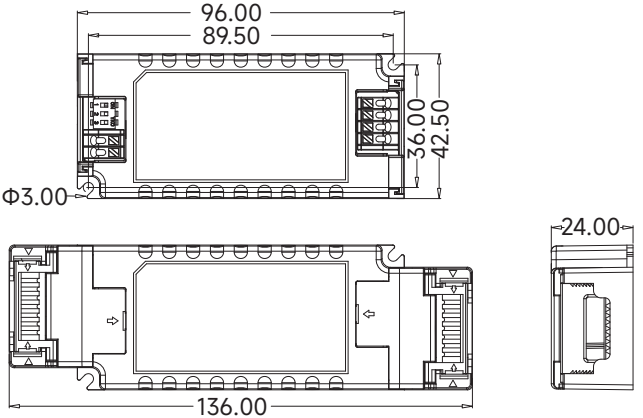
Function
Configuration
Download

DIMENSION(mm)

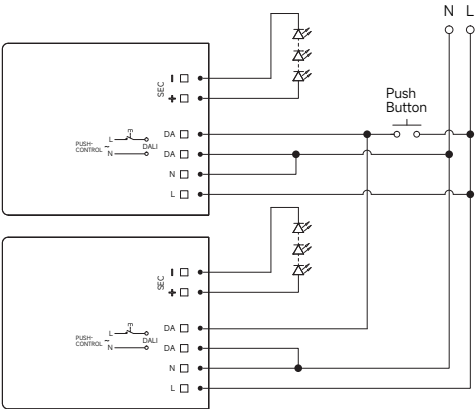
KL20C-PDiiN



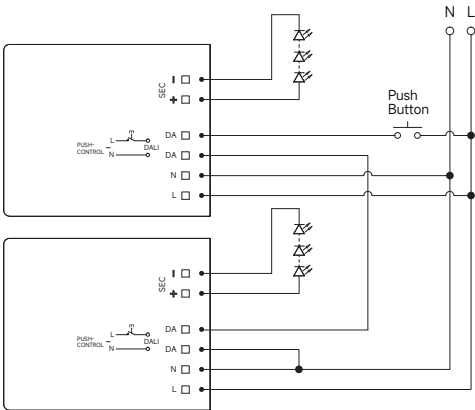
KL35C-PDiiN



PUSH DIMMING

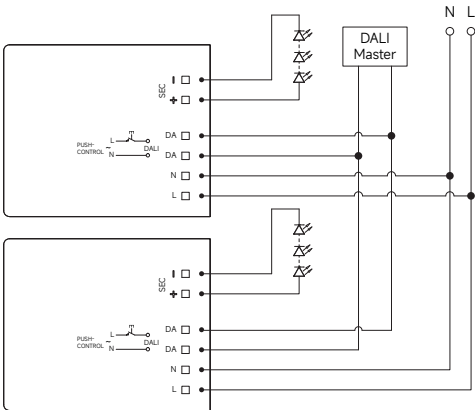


Parallel



Series

DALI DIMMING



Warning

All electrical installation and maintenance must be performed by a qualified electrician. The power supply shall be disconnected and the wiring diagram consulted prior to any operation.



FAQ

Problem	Cause	Solution
Light does not turn on	Incorrect wiring	Check the wiring connections
	Driver was turned off by a push signal	Press and hold the PUSH button to restart the driver
Lights are out of sync	Switches were pressed too rapidly	Press and hold the button for at least 15 seconds to resynchronize.Avoid rapid button presses.

Shenzhen Merrytek Technology Co.,Ltd.

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• Phone: +86(755)2305 7253/59 • Fax: +86(755)2786 3012 • Email: sales@merrytek.com • www.merrytek.com

特点

- Flicker-free for whole dimming range.
- Stand-by power below 0.5W.
- NFC technology for wireless programming.
- Primary dimming with push button.
- Built-in DALI interface DT6.
- Centrally-supplied DC emergency operation DT19.
- CLO compensation.
- Protection: short circuit / over temperature/ over voltage.
- Derating current for over high ambient temperature.
- Push dim with memory function.
- 5 year warranty.

ON/OFF & DESCRIPTION OF DIMMING OPERATION

1. Short press the PUSH switch (short press time 0.1s-1s), the LED driver will turn on or off.
2. Dimming: Press and hold the PUSH switch (1s-8s), the LED driver can achieve dimming, brightening or dimming, the dimming range is 2-100%.
3. Memory: PUSH dimming has dimming memory function.
4. Dimming synchronization: The power connected to the same PUSH switch can be synchronized by pressing and holding the PUSH switch for longer than 15s.
5. DALI dimming mode: Connect the power supply to the DALI system, and it can be dimmed by the DALI host. The dimming range is 0-100%.

MATTERS NEEDING ATTENTION

1. The LED string must be connected to the load before turning on the input power, otherwise the LED string may be damaged.
2. After the LED drive input is powered off, there will be a residual voltage at the output, which can be maintained for about 3 minutes.
3. Before setting the parameters by NFC, please make sure the driver is powered off.

PARAMETERS

Model	KL20C-PDiiN	KL35C-PDiiN
Rated Input Voltage	220-240Vac 50Hz/60Hz	
Input Current	0.11A Max.	0.19A Max.
Rated Power	Constant Current	
Power Factor	≤ 0.5W (@230Vac when DALI turn off)	
Operating Mode	≥ 0.93	≥ 0.95
Control Method	Primary PUSH dimming (Max. lead wire length: 20m)	
	DALI dimming (Max. lead length: 300m)	
Load output current	100-550mA	500-1050mA
Output	100mA 3-45Vdc 0.3-4.5W; 150mA 3-45Vdc 0.5-6.8W; 200mA 3-45Vdc 0.6-9.0W; 250mA 3-45Vdc 0.8-11.3W; 300mA 3-45Vdc 0.9-13.5W; 350mA 3-45Vdc 1.1-15.8W; 400mA 3-45Vdc 1.2-18.0W; 450mA 3-45Vdc 1.4-20.3W; 500mA 3-40Vdc 1.5-20.0W; 550mA 3-36Vdc 1.7-19.8W;	500mA 3-40Vdc 1.5-20.0W; 550mA 3-40Vdc 1.7-22.0W; 600mA 3-40Vdc 1.8-24.0W; 650mA 3-40Vdc 2.0-26.0W; 700mA 3-40Vdc 2.1-28.0W; 750mA 3-40Vdc 2.3-30.0W; 800mA 3-40Vdc 2.4-32.0W; 850mA 3-40Vdc 2.6-34.0W; 900mA 3-39Vdc 2.7-35.1W; 950mA 3-37Vdc 2.9-35.2W; 1000mA 3-35Vdc 3.0-35.0W; 1050mA 3-33Vdc 3.2-34.7W;
	More current levels can be set by NFC using mobile APP adjustable in 1mA step.	
Output Over Temperature Protection	Yes, without self recovery function (Can be inquired)	
Output Short Circuit Protection	Yes, with self recovery function (Can be inquired)	
EMC Standard	EN55015 EN61547 EN61000-3-2 EN61000-3-3	
DALI Protocol Standard	IEC62386-102, IEC62386-207 DT6 / 251 / 252 / 253 IEC62386-220 DT19	
PUSH Dimming Synchronization	EN61347-1 EN61347-2-13	
PUSH Dimming Synchronization	Parallel: 15 units Max. Series: 25 units Max.	
Certification	CE, CB, ENEC, UKCA	
Operating Temperature/ Humidity	-25°C-50°C Humidity: 85% (Non-condensing)	
Storage Temperature/ Humidity	-40°C-80°C, Humidity: 85% (Non-condensing)	
Installation type	Independent installation & built-in installation	
Dimension (With crimping)	116*40.5*22mm	136*42.5*24mm
Dimension (Without crimping)	78*40.5*22mm	96*42.5*24mm
Degrees Of Protection	IP20	
5 year @Ta full load	5 year @Ta full load	