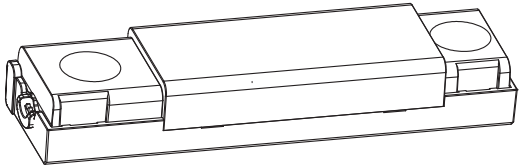


DALI调光LED驱动电源



使用说明书



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 调光调色功能(DT8),具备 CLO 功能；
- 短路 / 过压 / 过温保护,过温后降低输出电流；
- 采用快速安装外壳,便携省时；
- 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. 调色：

步骤 1：短按 PUSH 开关,灯光会关闭

步骤 2：按住 PUSH 开关，从当前亮度开始调节色温；松开 PUSH 开关，再次按住 PUSH 开关，则会反向调节色温,松开 PUSH 开关后 5 秒内不操作，退出色温调节模式。
4. 记忆：PUSH 调光具有调光记忆功能；
5. 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；
6. 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%。

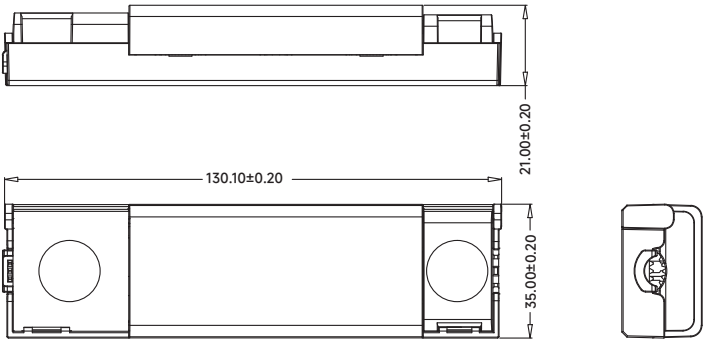
注意事项

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。

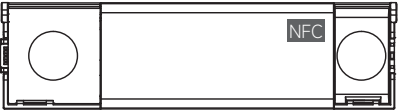
参数

型号	KL12CC-PDiIN, 1x12W
额定电压	220-240Vac 50Hz/60Hz
输入电流	0.13A Max.
额定功率	12W Max.
功率因素	≥0.9C @230Vac(满载情况下)
待机功耗	≤ 0.5W @230Vac 当 Push 和 DALI 关断时(满载情况下)
工作模式	恒流
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)
输出	100mA 12-42Vdc 1.2-4.2W; 150mA 12-42Vdc 1.8-6.3W; 200mA 12-42Vdc 2.4-8.4W; 250mA 12-42Vdc 3.0-10.5W; 300mA 12-40Vdc 3.6-12.0W; 350mA 12-34Vdc 4.2-11.9W; 400mA 12-30Vdc 4.8-12.0W; 450mA 12-27Vdc 5.4-12.2W; 500mA 12-24Vdc 6.0-12.0W; 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	IEC62386-101 / 102 / 207 DT6 / 209 DT8 / 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	独立式安装
尺寸	130*35*21mm
防护等级	IP20
质保	5 年 @Ta 230V 满负载

尺寸 (mm)



NFC 天线位置



APP使用说明



扫描二维码下载Merrytek APP

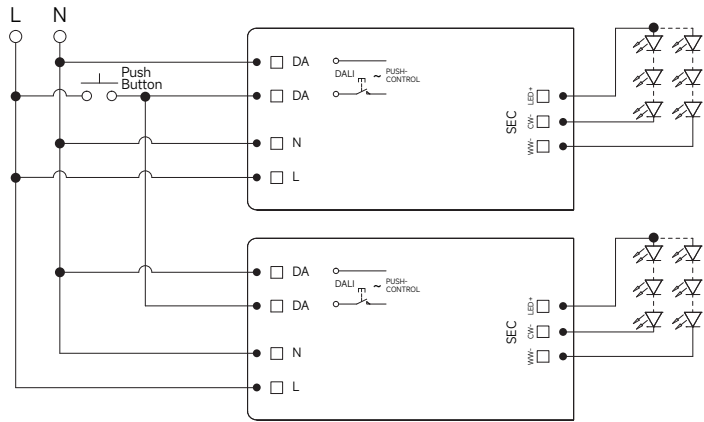


扫描二维码下载使用说明

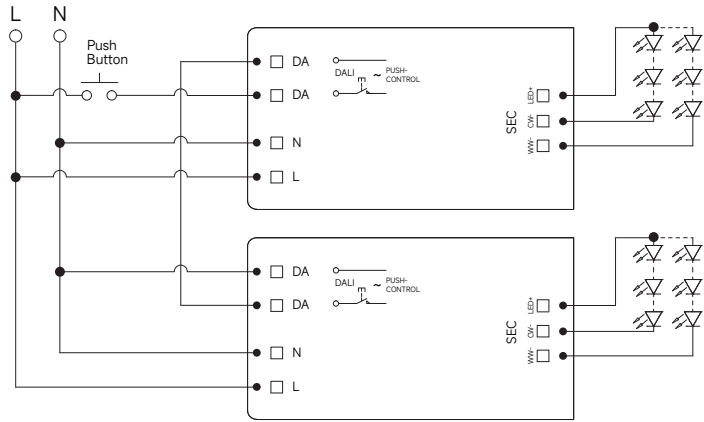
接线图

通过Merrytek NFC APP配置工具进行调光接口选择：
1地址2通道（209 DT8）；2地址2通道（207 DT6）；
1 地址2通道（207 DT6）

PUSH调光接线图

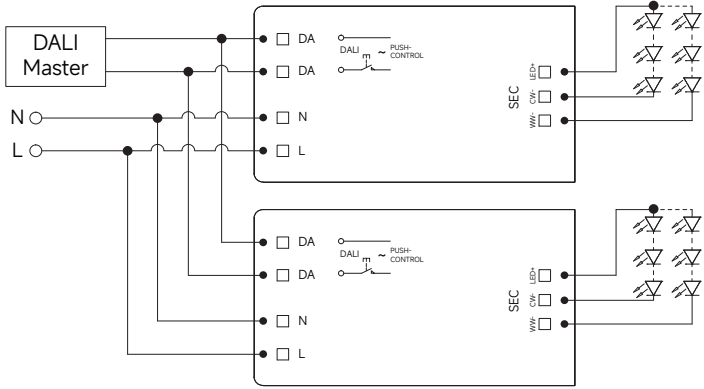


并联



串联

DALI调光接线图



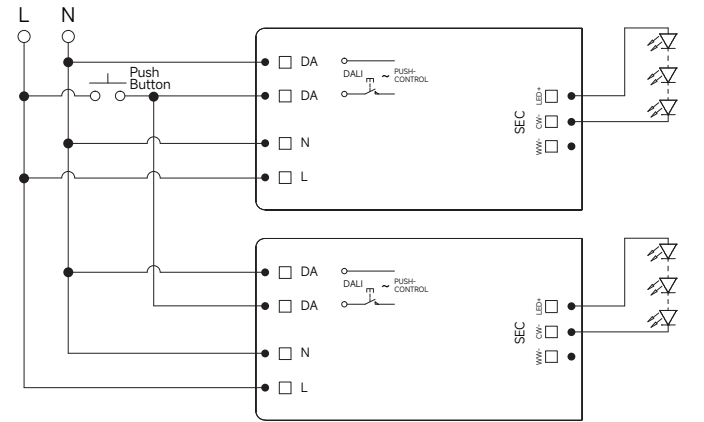
注意

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。

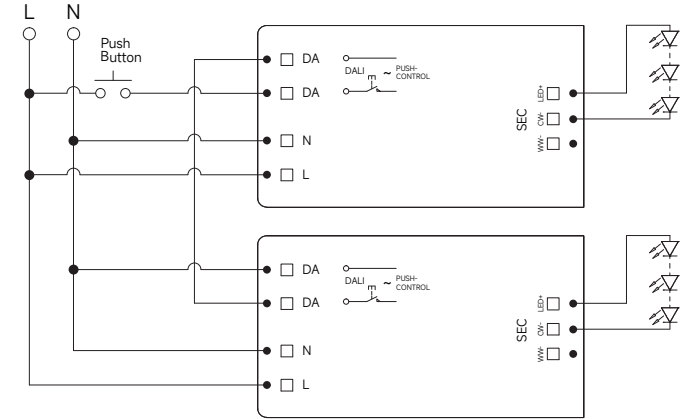


通过Merrytek NFC APP配置工具进行调光接口选择：
1地址1通道（207 DT6）

PUSH调光接线图

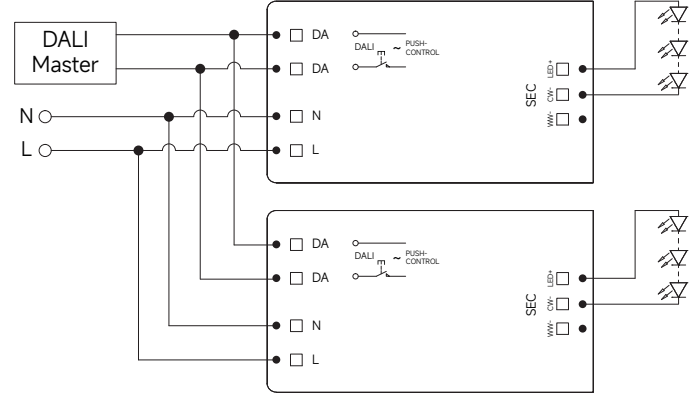


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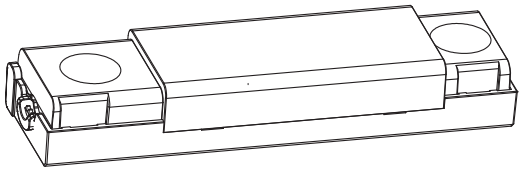
DALI调光接线图



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。

DALI 2 Dimmable LED driver



User's Manual



FEATURE

- 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 DT8.
- CLO compensation.
- Protection: short circuit / over temperature/ over voltage.
- Derating current for over high ambient temperature.
- Push dim with memory function.
- Quick-wiring, Convenient and time-saving.
- 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. Color temperature adj:
Step 1, PUSH turns off the lights; Step 2, press and hold PUSH to adjust the color temperature starting from the current brightness; Release PUSH, press and hold PUSH again, and adjust the color temperature in the opposite direction; No operation for 5 seconds, exit color adjustment mode.
4. Memory: PUSH dimming has dimming memory function.
5. Dimming synchronization: The power connected to the same PUSH switch can be synchronized by pressing and holding the PUSH switch for longer than 15s
6. 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%.

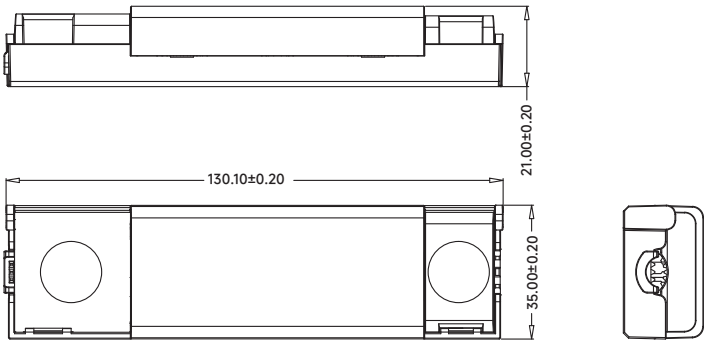
APPLICATION NOTICE

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.

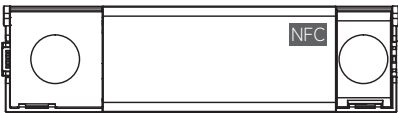
PARAMETERS

Model	KL12CC-PDiiN, 1x12W
Rated Input Voltage	220-240V AC, 50Hz/60Hz
Input Current	0.13A Max.
Rated Power	12W Max.
Power Factor(@230V100% load)	≥0.9C @230Vac when DALI turn off
Stand-by Power	≤ 0.5W (@230Vac when DALI turn off)
Operating Mode	Constant Current
Control Method	Primary PUSH dimming (Max. lead wire length: 20m) DALI dimming (Max. lead length: 300m)
Output	100mA 12-42Vdc 1.2-4.2W; 150mA 12-42Vdc 1.8-6.3W; 200mA 12-42Vdc 2.4-8.4W; 250mA 12-42Vdc 3.0-10.5W; 300mA 12-40Vdc 3.6-12.0W; 350mA 12-34Vdc 4.2-11.9W; 400mA 12-30Vdc 4.8-12.0W; 450mA 12-27Vdc 5.4-12.2W; 500mA 12-24Vdc 6.0-12.0W; 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	IEC62386-101 / 102 / 207 DT6 / 209 DT8 / 251 / 252 / 253
Safety Standard	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
Dimension	130*35*21mm
Degrees Of Protection	IP20
Life	5 year @Ta full load

DIMENSION(mm)



NFC ANTENNA LOCATION



APP INSTRUCTIONS



Scan the QR code to download Merrytek APP

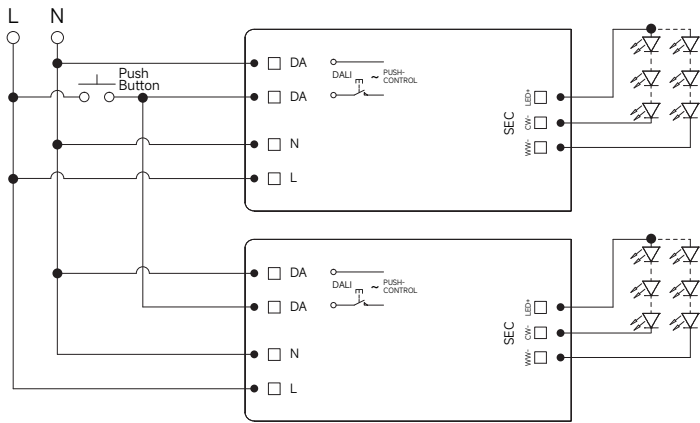


Function Configuration Download

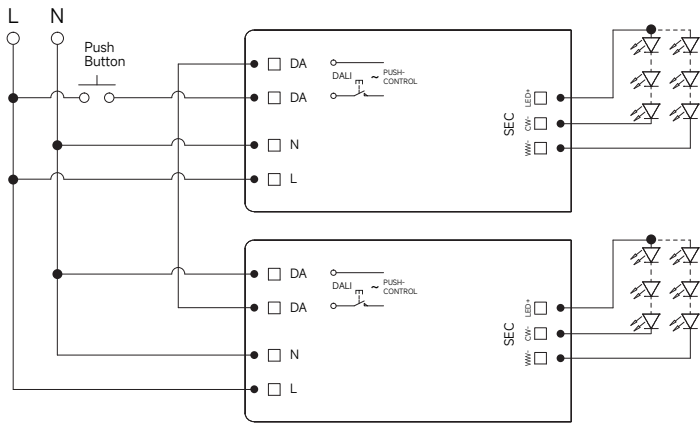
WIRING DIAGRAM

Channel Mode: 1 address for 2 channel (209 DT8);
2 address for 2 channel (207 DT6);
1 address for 2 channel (207 DT6);

PUSH DIMMING

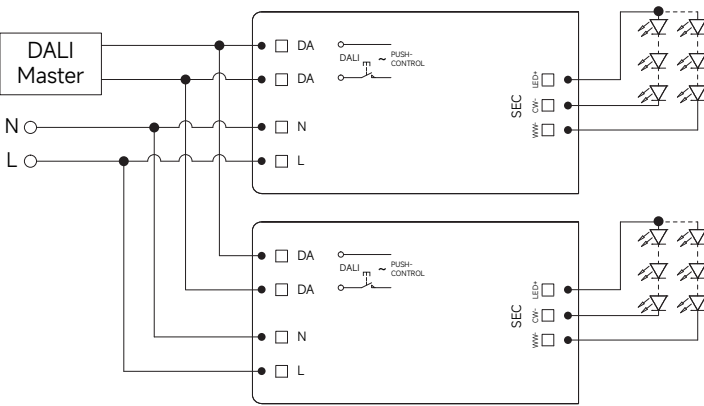


Parallel



Series

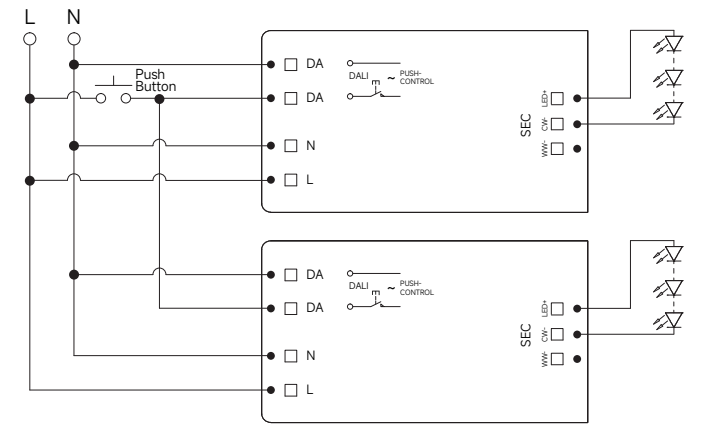
DALI DIMMING



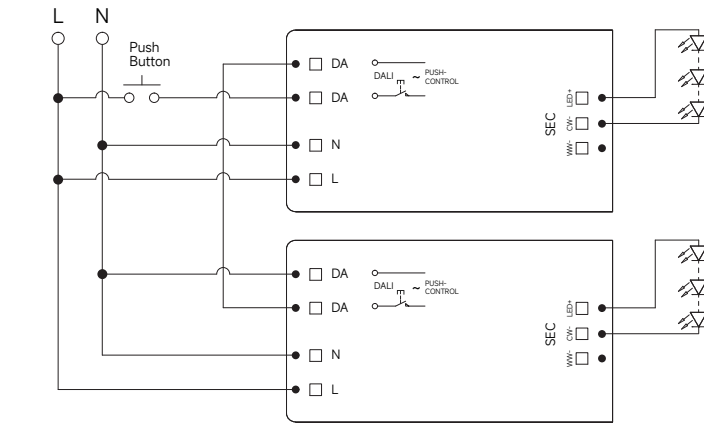
Warning
All electrical installation and maintenance must be performed by a qualified electrician. The power supply shall be disconnected and the wiring diagram consulted prior to any operation.

Channel Mode: 1 address for 1 channel (207 DT6);

PUSH DIMMING

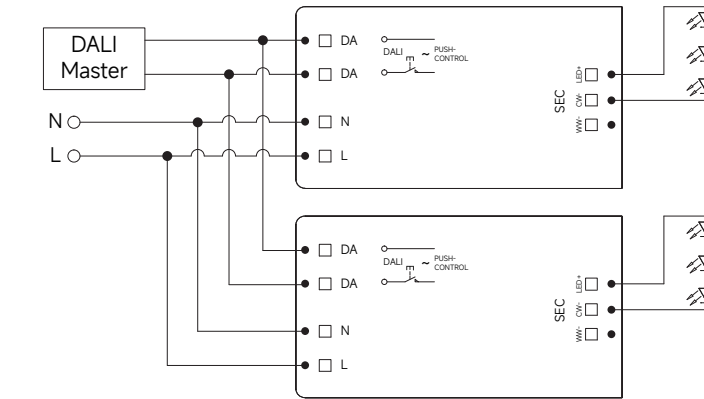


Parallel



Series

DALI DIMMING



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.