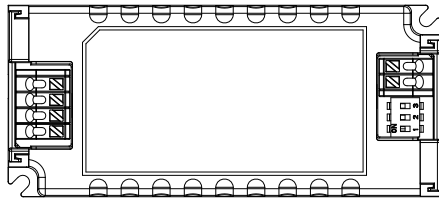


KL30C-PDii



DALI Dimmable LED Driver



EN

Instruction
MI240731A0



FEATURE

- Flicker-free for whole dimming range
- Stand-by power below 0.5W
- Primary dimming with push button
- Built-in DALI interface DT6
- Centrally-supplied DC emergency operation DT19
- COL 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 driver input is powered off, there will be a residual voltage at the output, which can be maintained for about 3 minutes.

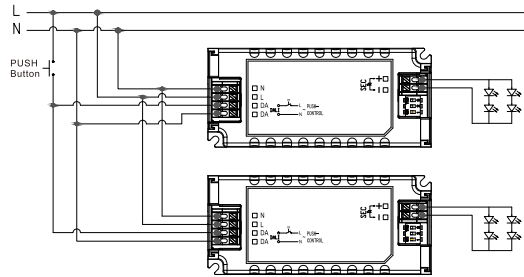
FACTORY SETTING: 500mA

⚠ Warning: Please make sure the correct current is set before starting the driver!

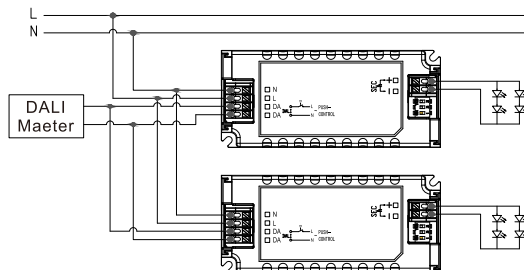
SPECIFICATIONS

Model	KL30C-PDii		
Rated voltage	220-240V AC, 50/60Hz		
Rated current	0.16A (max)		
Power factor	≥0.95(@230V100% load)		
Operating temperature	-25°C~50°C Humidity:85% (Non-condensing)		
Dimming	DALI & PUSH		
Output voltage	500mA	12~40Vdc	6.0-20.0W;
	550mA	12~40Vdc	6.6-22.0W;
	600mA	12~40Vdc	7.2-24.0W;
	650mA	12~40Vdc	7.8-26.0W;
	700mA	12~40Vdc	8.4-28.0W;
	900mA	12~33Vdc	10.8-29.7W;
	1000mA	12~30Vdc	12.0-30.0W;
DALI Dimming	DALI dimming (Max.lead length 300M)		
Abnormal protection	Yes, without self recovery function (Can be inquired)		
Overheating protection	Yes, without self recovery function (Can be inquired)		
EMC standard	EN55015 EN61547 EN61000-3-2 EN61000-3-3		
DALI standard	IEC62386-102, IEC62386-207 DT6 251 252 253 DT19		
Safety standard	EN61347-1, EN61347-2-13		
Certification	CE		
Dims	136*42.5*24mm		
Protection class	IP20		

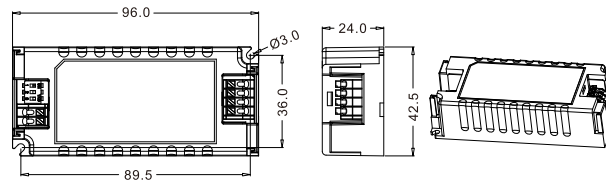
A PUSH DIMMING



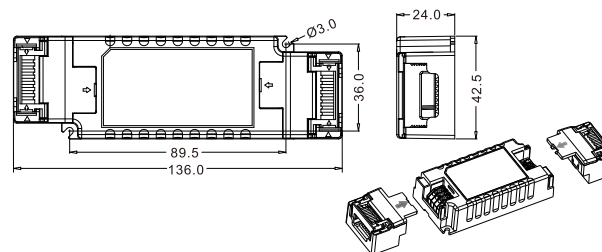
B DALI DIMMING



C Mechanical Dimension (mm)



D Mechanical Dimension (mm)



E

Output Current Setting

Uo(Vdc)	mA	1	2	3
12-40	500	—	—	—
12-40	550	ON	—	—
12-40	600	—	ON	—
12-40	650	ON	ON	—
12-40	700	—	ON	ON
12-33	900	ON	—	ON
12-30	1000	ON	ON	ON

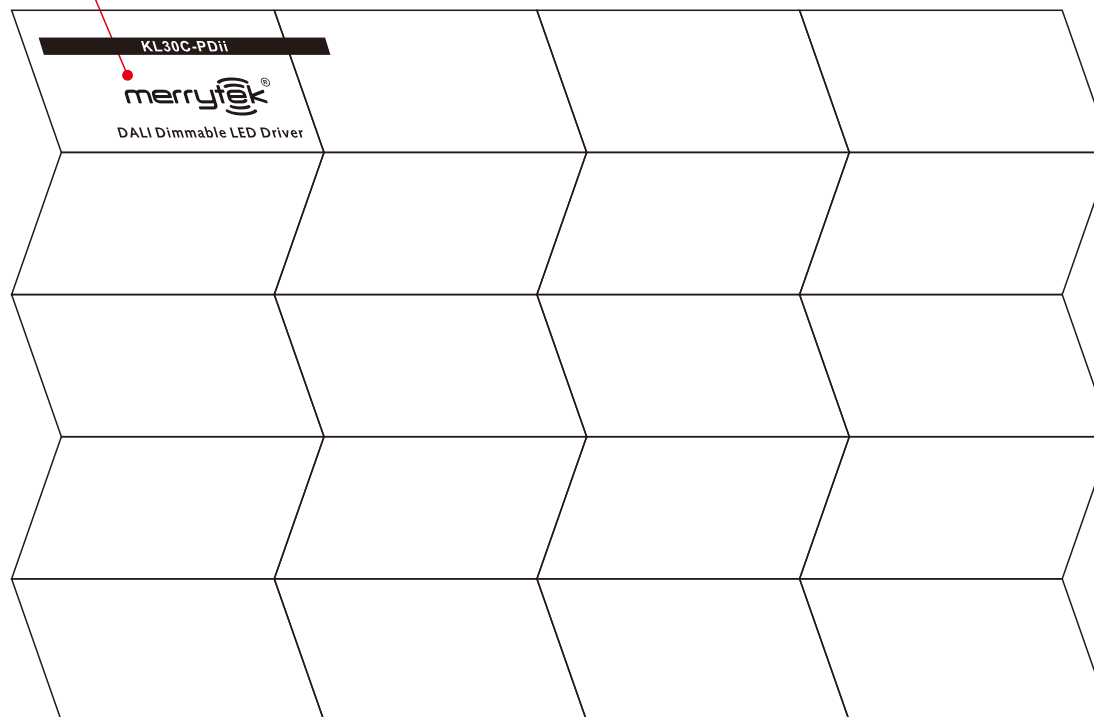
FAQ

Question	Cause	Remedy
Lights will not illuminate	Incorrect wiring	Check wiring
	Driver had been turn off by push signal.	Long press push switch to recover the driver.
Lights out of synchronous	Press push switch rapidly.	Long press push button at least 15s for re-synchronization. Avoid to rapidly press push button.

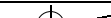
Shenzhen Merrytek Technology Co.,Ltd

Phone:+86(755)2305 7253/59 • Fax:+86(755)2786 3012 • Email:sales@merrytek.com • www.merrytek.com
Add:Rm 101-1101, 17th Building, Dianda Guyuan Industrial Park, Mashantou Community, Matian Street, Guangming District, Shenzhen, China, 518106

折页方式,此面朝上



材质要求：70G书写纸 297x210mm 黑白单面印
成品尺寸：74.25x42mm

成品尺寸: 74.25x42mm										△3				产品名称	DALI2电源		物料名称	说明书			视角			
										△2				产品型号	KL30C-PDii		物料编码	1050020001417			版本	A0	单位	mm
										△1				设计	李静云	20240731	材料		数量	1	页次	1	比例	1:1
										±0.5°		没有指定角度可接受			序号	变更内容		变更人	日期	审核			深圳迈睿智能科技有限公司 ShenZhenMerrytekTechnologyCO.,LTD	
±0.4	±0.3	±0.2	±0.1	没有指定公差		路径	资料组\2-辅助设计\1-包装类\KL智能电源\KL30C-PDii					批准												
600>L>300	300>L>100	100>L>20	20>L	线性长度																				