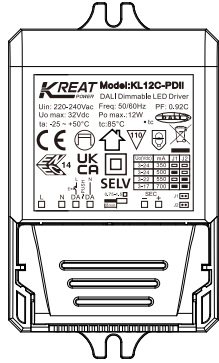


KL12C-PDii



Flicker-free DALI LED Driver 12W



EN



Instruction
MI230824A1

FEATURE

- Built-in DALI 2 protocol, no flicker in full dimming range;
- Primary Push dimming function; Push dimming has state memory function;
- Short circuit / over temperature / over voltage protection; reduce output current after over temperature;
- Standby power consumption $\leq 0.5W$;

CONNECTION

1. Start with setting the output current. The current can be easily configured by choosing the correct combination of the DIP switches(see fig E)
2. Connect the luminaires to the driver according to the wiring diagram.(see Fig AorB)

ON/OFF & DESCRIPTION OF DIMMING OPERATION

- A. Short press the PUSH switch (short press time 0.1S-1S), the LED driver will turn on or off.
- B. Dimming: Press and hold the PUSH switch (1S-8S), the LED driver can achieve dimming, brightening or dimming, the dimming range is 2-100%.
- C. Memory: PUSH dimming has dimming memory function.
- D. Dimming synchronization: The power connected to the same PUSH switch can be synchronized by pressing and holding the PUSH switch for longer than 15S
- E. 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.

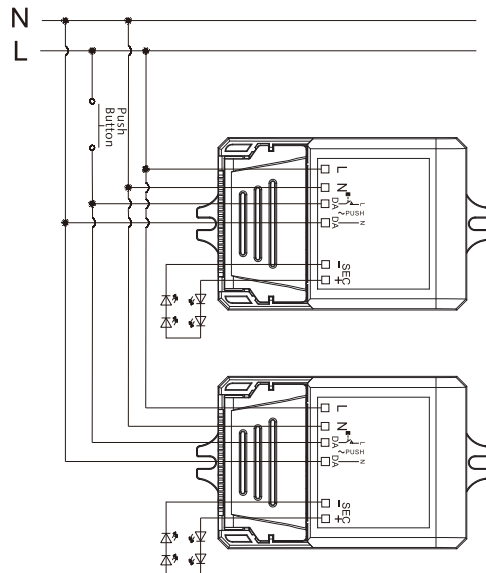
FACTORY SETTING:700mA

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

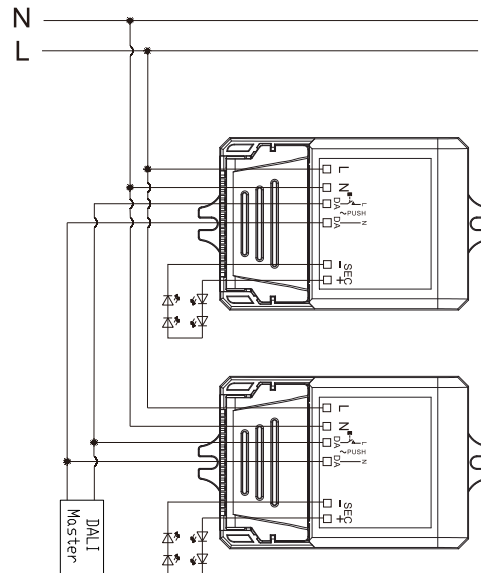
SPECIFICATIONS

Model	KL12C-PDii, 1x12W
Rated voltage	220-240V AC, 50/60Hz
Rated current	0.2A (max)
Operating temperature	-25°C~50°C
Dimming	DALI & PUSH
Output voltage	350mA 3~24Vdc 1-8.4W; 500mA 3~24Vdc 1.5-12W; 550mA 3~22Vdc 1.6~12.1W; 700mA 3~17Vdc 2.1~11.9W;
The wire length of DALI	300m Max
Abnormal protection	Output short-circuit protection after restart
Overheating protection	Overheating protection after restart
EMC standard	EN55015, EN61000-3-2, EN61547, EN61000-3-3
DALI standard	IEC62386-102, IEC62386-207
Safety standard	EN61347-1, EN61347-2-13
Certification	CE, ENEC14
Dims	88*52*25mm
Protection class	IP20

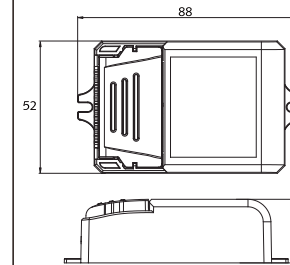
A PUSH DIMMING



B DALI DIMMING



C Dimension (mm)



D

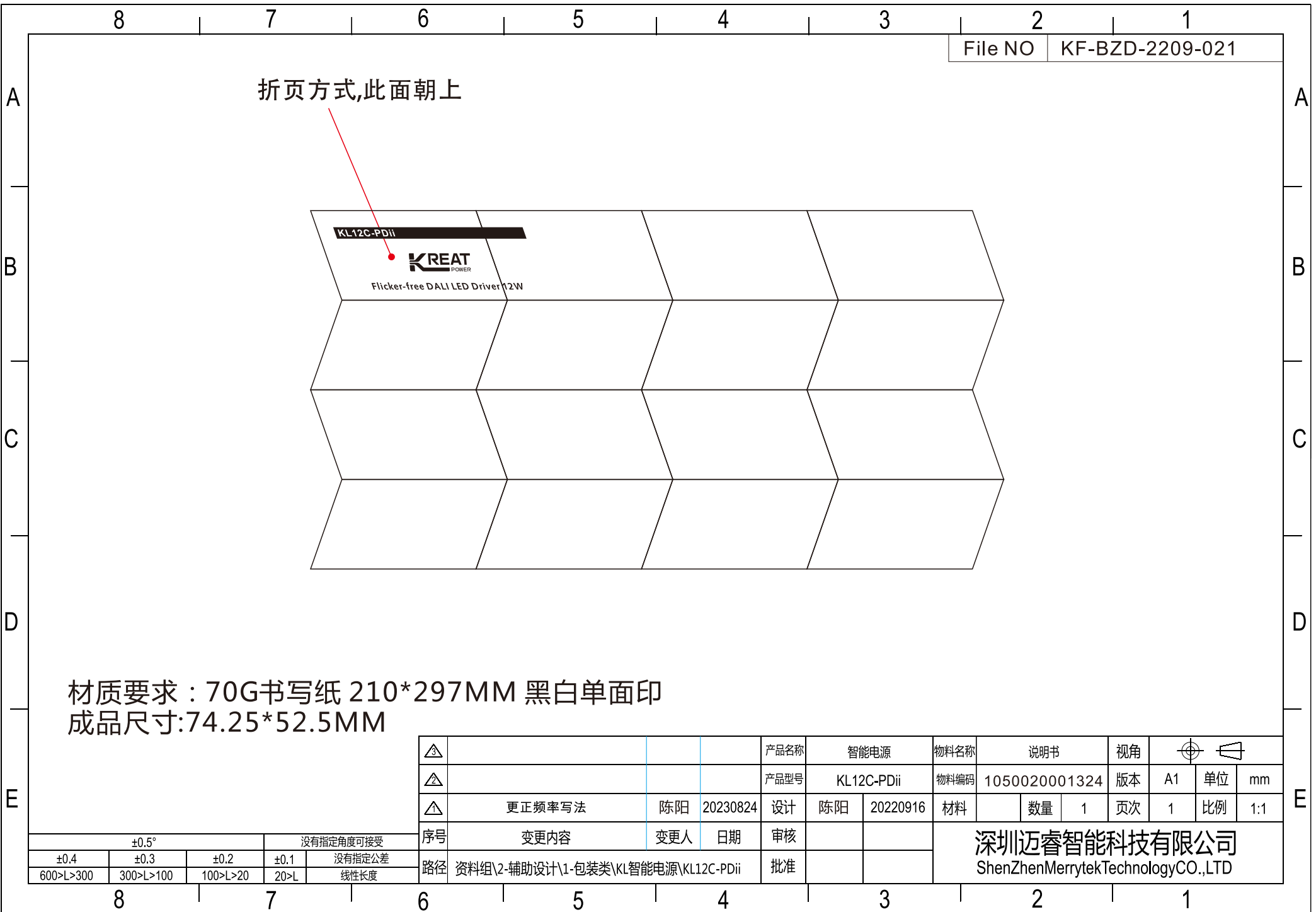
Output Current Setting				
Uo(Vdc)	mA	J1	J2	
3-24	350	☐	☐	
3-24	500	ON	☐	
3-22	550	☐	ON	
3-17	700	ON	ON	

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.

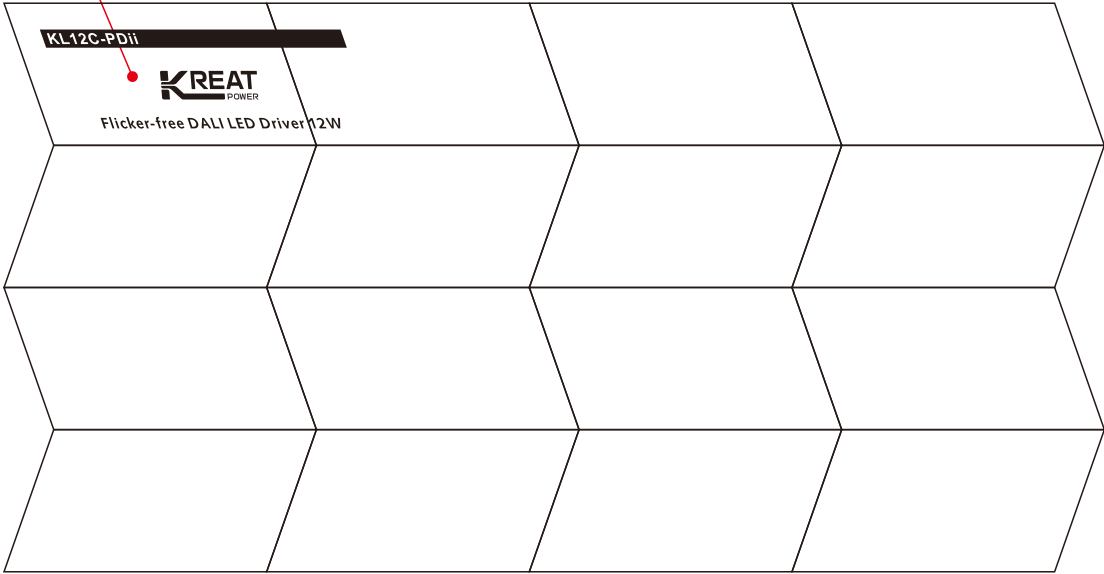
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Guangming District, Shenzhen, China, 518106



File NO KF-BZD-2209-021

折页方式,此面朝上



材质要求 : 70G书写纸 210*297MM 黑白单面印
成品尺寸:74.25*52.5MM

					△				产品名称	智能电源		物料名称	说明书			视角				
					△				产品型号	KL12C-PDii		物料编码	1050020001324			版本	A1	单位	mm	
					△	更正频率写法		陈阳	20230824	设计	陈阳	20220916	材料		数量	1	页次	1	比例	1:1
					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							
					路径	资料组\2-辅助设计\1-包装类\KL智能电源\KL12C-PDii			批准											
±0.5°				没有指定角度可接受																
±0.4	±0.3	±0.2	±0.1	没有指定公差																
600>L>300	300>L>100	100>L>20	20>L	线性长度																