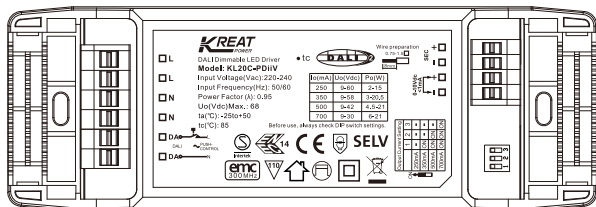


KL20C-PDiiV



Flicker-free DALI LED Driver 20W



EN



Instruction
MI210823A1

FEATURE

- Built-in DALI2 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 $\leq 0.5W$;
- 5 years warranty.

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 F)
2. Connect the luminaires to the driver according to the wiring diagram.(see Fig A,B,or C)

PUSH DIMMING (see wiring diagram, Fig A)

- On/off: short push (100ms~1sec) on the switch
- Stepless dimming: long push(1sec~8secs) on the switch

0-10V DIMMING (see wiring diagram, Fig C)

- The driver supports any active 0-10V dimmer. Dimming curve, see Fig D.
- As DALI and push dimming is always active , If use the DALI dimming and push dimming first , users have to short 0-10V interface and power on driver 15 seconds at least to make 0-10V active before using 0-10V dimming.

DALI DIMMING (see wiring diagram, Fig B)

- The driver built-in DALI interface . DALI Dimming is always active.

FACTORY SETTING

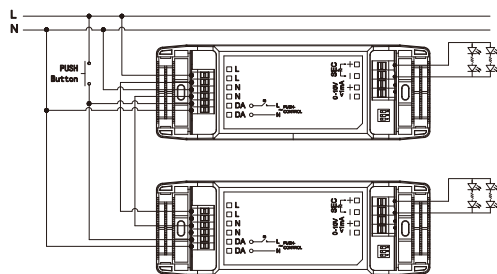
0-10V dimming, 250mA

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

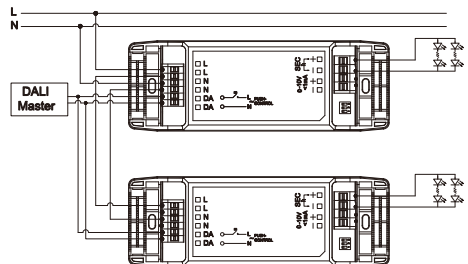
SPECIFICATIONS

Model	KL20C-PDiiV, 1x20W
Rated voltage	220-240V AC, 50/60Hz
Rated current	0.12A (max)
Operating temperature	-25°C~50°C
Dimming	DALI & PUSH & 1-10V(0-10V)
Output voltage	250mA 9~60V DC 2~15W; 350mA 9~58V DC 3~20.5W; 500mA 9~42V DC 4.5~21W; 700mA 9~30V DC 6~21W.
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, SEMKO
Dims	150*52*28mm
Protection class	IP20

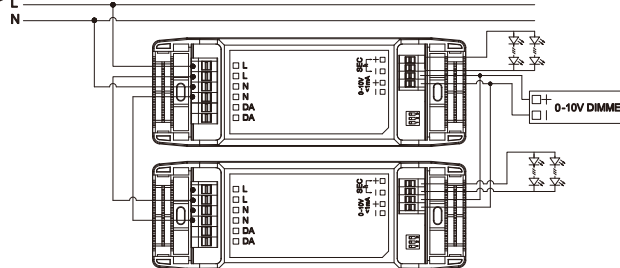
A PUSH DIMMING



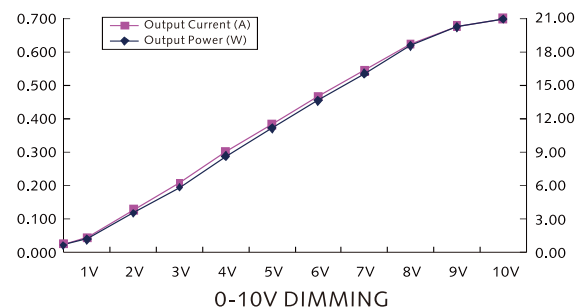
B DALI DIMMING



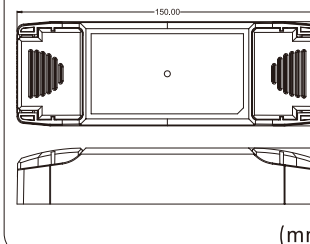
C 0-10V DIMMING



D



E Mechanical Dimension



Output Current Setting			
	1	2	3
250mA	-	-	-
350mA	ON	-	-
500mA	ON	ON	-
700mA	ON	ON	ON

(mm)

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. Reset the driver by short 0-10V interface.
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
No.17th Building,Dianda Guyuan Industrial Park, Mashantou,
Matian, Guangming District, Shenzhen, China, 518106
• www.merrytek.com • Email:sales@merrytek.com

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4

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2

1

File NO

KF-BZD-2107-016

A

材质要求：70G书写纸 210*295MM 黑白单面印

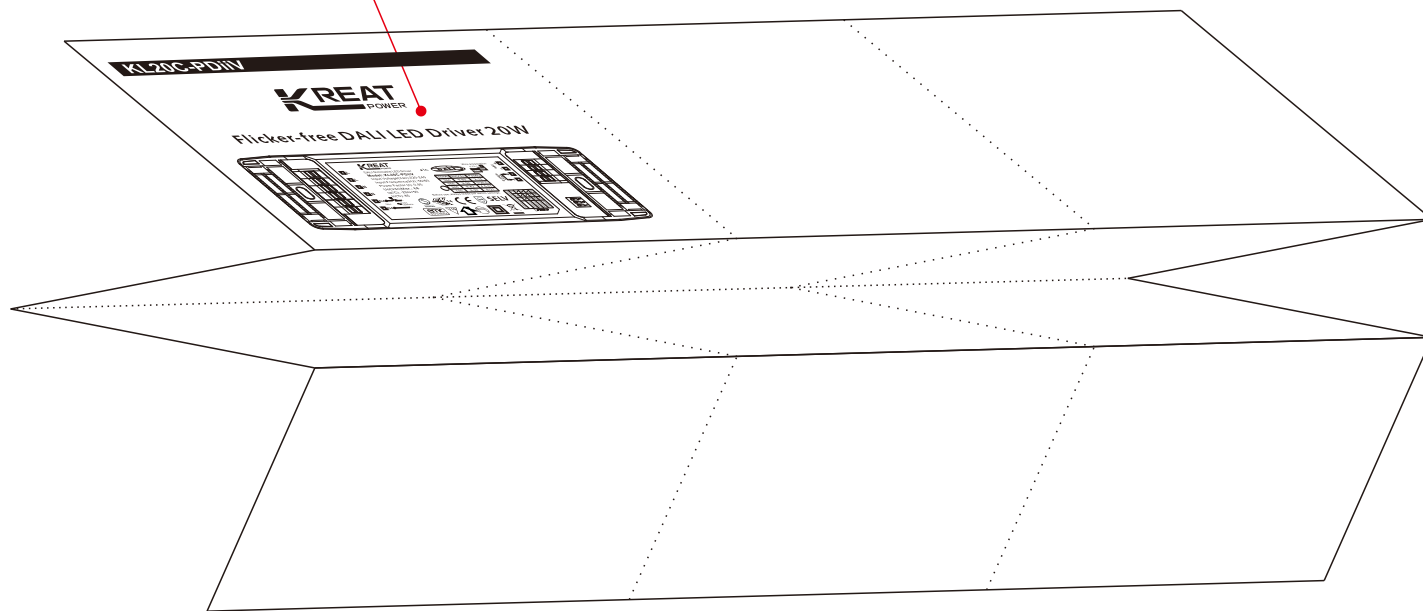
折页方式,此面朝外

B

C

D

E



A

B

C

D

E

△				产品名称	DALI2电源		物料名称	说明书		视角			
△				产品型号	KL20C-PDiiV		物料编码	1050050331		版本	A1	单位	mm
△	出厂设置改为250mA		陈阳	20210823	设计	陈阳	20210714	材料		数量	1	页次	1
△	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					
序号					批准								
路径	\资料组\2-辅助设计\1-包装类\2-智能电源\KL20C-PDiiV												

±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

8

7

6

5

4

3

2

1