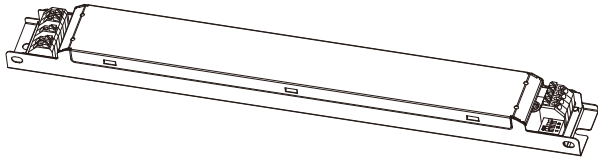


KL50C-PDiV3



DALI Dimmable LED Driver



EN

M220922A0



FEATURE

- Flicker-free for whole dimming range
- Stand-by power below 0.5W
- Primary dimming with push button
- Secondary dimming with 1-10V dimmer and potentiometer
- Built-in DALI interface DT6
- 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

- 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%

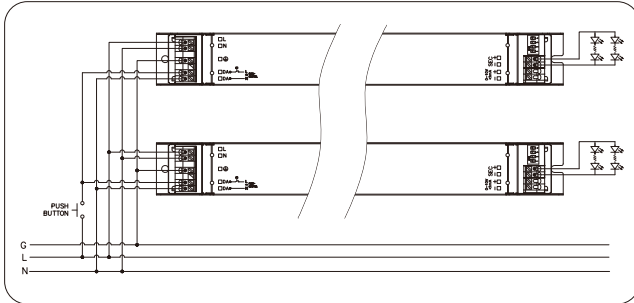
Matters Needing Attention

- 1) The LED string must be connected to the load before turning on the input power, otherwise the LED string may be damaged.
- 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.

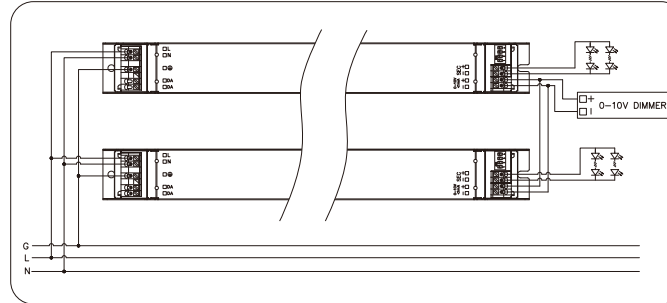
Parameters

Model	KL50C-PDiV3, 1x50W	
Rated voltage	220-240V AC, 50/60Hz	
Rated current	0.23A(Max)	
Operating temperature	-25°C~50°C	
Dimming	DALI&PUSH&1-10V	
Output voltage	700mA(9-58V)	800mA(9-58V)
	850mA(9-58V)	900mA(9-55V)
	950mA(9-52V)	1000mA(9-50V)
	1050mA(9-48V)	1100mA(9-45V)
	1200mA(9-42V)	1250mA(9-40V)
	1300mA(9-39V)	1400mA(9-36V)
The wire length of DALI	300m Max	
Output over temperature / short circuit protection	Yes, without self recovery function(Can be inquired)	
Blackout memory function	Yes, PUSH blackout memory	
EMC standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3	
DALI standard	IEC62386-102 IEC62386-207 Dt6	
Safety standard	EN61347-1, EN61347-2-13	
Certification	CE, UKCA	
Dims	284x30x20mm	
IP rating	IP20	
Protection class	class I	

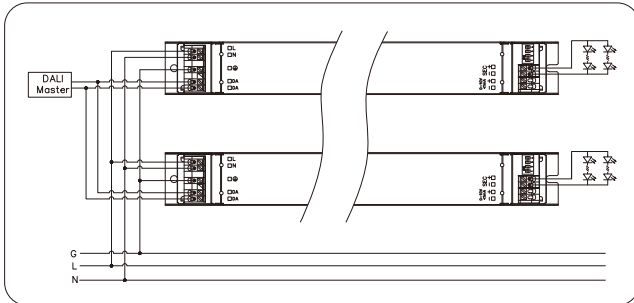
PUSH DIMMING



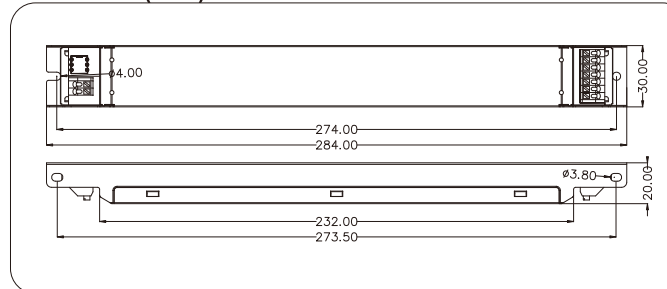
0-10VDIMMING



DALI DIMMING



Dimension(mm)



Current gear setting

I _o (mA)	1	2	3	4
700	-	-	-	-
800	ON	-	-	-
850	-	ON	-	-
900	-	-	ON	-
950	ON	ON	-	-
1000	ON	-	ON	-
1050	-	ON	ON	-
1100	-	ON	-	ON
1150	ON	ON	ON	-
1200	ON	ON	-	ON
1250	ON	-	ON	ON
1300	-	ON	ON	ON
1400	ON	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. 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

折叠方式：此面朝外，十折

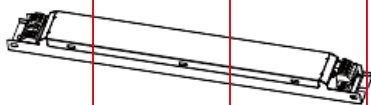
Flie NO

KF-BZD-2209-029

KL50C-PDiiV3

KREAT
POWER

DALI Dimmable LED Driver



M22092240

FEATURE

- Flows from 0 to whole dimming range
- Stand-by power below 0.5W
- Primary dimming with push button
- Secondary dimming with 1-10V dimmer and potentiometer
- Built-in DALI Interface DMS
- Protection: short circuit / over temperature / over voltage
- Derating: current for over 90 minutes / temperature
- Push dimming with memory function
- 5 year warranty

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.
- 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.

Parameters

Model	KL50C-PDiiV3, 50W
Rated voltage	220-240V AC, 50/60Hz
Rated current	0.23A/50W
Operating temperature	-25°C ~ +50°C
Dimming	DALI, PUSH, 1-10V
Output voltage	700mA/5-60V, 800mA/5-60V, 850mA/5-60V, 900mA/5-60V, 950mA/5-60V, 1000mA/5-60V, 1050mA/5-60V
The wire length of DALI	30m Max
Output over temperature / short circuit protection	Yes (when self recovery function can be required)
Flashback memory function	Yes (PUSH dimming memory)
EMC standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3
DALI standard	IEC62386-402, IEC62386-209, IEC62386-210
Safety standard	EN1347-1, EN61347-2-13
Certification	CE, UKCA
Dimensions	20x40x20mm
IP rating	IP20
Protection class	Class I

Current gear setting

Io(mA)	Uo(Vdc)	Po(W)	Io(mA)	Uo(Vdc)	Po(W)
700	9-58	6-41	1100	9-45	10-50
800	9-58	7-46	1150	9-44	10-50
850	9-58	8-49	1200	9-42	11-50
900	9-55	8-50	1250	9-40	11-50
950	9-52	9-49	1300	9-39	12-50
1000	9-50	9-50	1400	9-36	13-50
1050	9-48	9-50			

FAQ

QUESTION	CAUSE	REMEDY
Lights will not illuminate	Incorrect wiring Driver had been turn off by push signal.	Check wiring Long press push switch to reset the driver. Reset the driver by short 0-10V interface.
Lights out of synchronous	Press push switch rapidly	Long press push button at least 1s for re-synchronization. Avoid to rapidly press push button.

Shenzhen Merrytek Technology Co., Ltd.
No. 718 Building, Shenzhen Industrial Park, Nanshan District, Shenzhen, China.
www.merrytek.com Email: sales@merrytek.com

备注：
70G书写纸 297*210MM 黑白单面印
成品尺寸：29.7*210MM

产品名称	DALI 2电源	物料名称	说明书	视角	
产品编号	KL50C-PDiiV3	物料编码	1050020001325	版本	A0
设计	陈阳	材料	数量	1	单位
审核				页次	1
批准					比例
变更内容	变更人	日期			1:1
资料组\2-辅助设计\1-包装类\KL 智能电源\KL50C-PDiiV3					

深圳迈睿智能科技有限公司
ShenZhenMerrytekTechnologyCO.,LTD