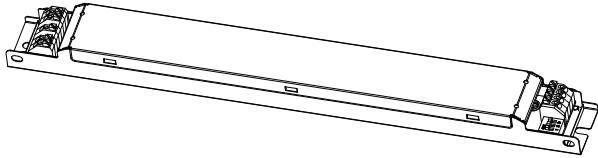


KL60C-PDii / KL90C-PDii / KL120C-PDii



DALI Dimmable LED Driver

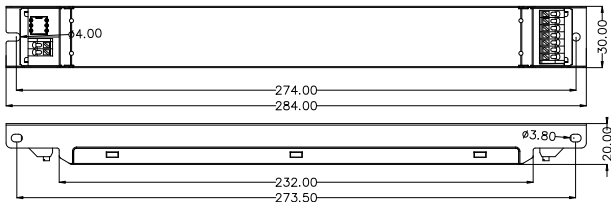


EN

M220621A2



Dimension(mm)



Current gear setting

1	2	3	KL60C-PDii	KL90C-PDii	KL120C-PDii
-	-	-	200mA(80-300V)	300mA(80-300V)	300mA(80-330V)
ON	-	-	250mA(80-240V)	350mA(80-258V)	350mA(80-330V)
-	ON	-	300mA(80-200V)	450mA(80-200V)	450mA(80-266V)
-	-	ON	350mA(80-170V)	500mA(80-180V)	500mA(80-240V)
ON	-	ON	400mA(80-150V)	550mA(80-164V)	550mA(80-219V)
-	ON	ON	450mA(80-133V)	650mA(80-139V)	650mA(80-185V)
ON	ON	ON	500mA(80-120V)	700mA(80-129V)	700mA(80-172V)

FEATURE

- Flicker-free for whole dimming range
- Stand-by power below 0.5W
- Primary dimming with push button
- 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

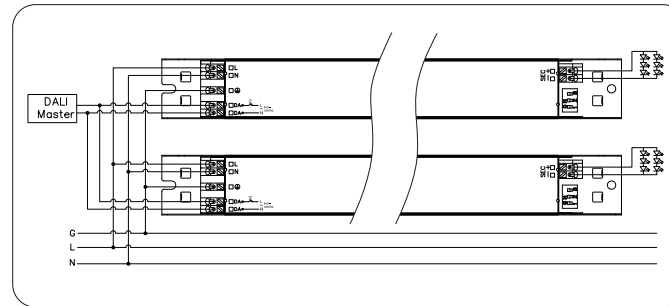
ON/OFF & Description of Dimming Operation

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

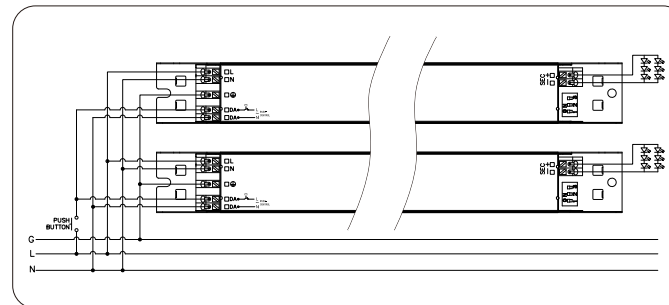
Matters Needing Attention

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

DALI DIMMING



PUSH DIMMING



Parameters

Model	KL60C-PDii	KL90C-PDii	KL120C-PDii
Rated voltage	220-240V AC, 50/60Hz		
Rated current	0.33A(Max)	0.4A(Max)	0.6A(Max)
Operating temperature	-25°C~50°C		
Dimming	DALI&PUSH		
Output voltage	200mA(80-300V) 250mA(80-240V) 300mA(80-200V) 350mA(80-170V) 400mA(80-150V) 450mA(80-133V) 500mA(80-120V)	300mA(80-300V) 350mA(80-258V) 450mA(80-200V) 500mA(80-180V) 550mA(80-164V) 650mA(80-139V) 700mA(80-129V)	300mA(80-330V) 350mA(80-330V) 450mA(80-266V) 500mA(80-240V) 550mA(80-219V) 650mA(80-185V) 700mA(80-172V)
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, CB, UKCA, ENEC		
Dims	284x30x20mm		
IP rating	IP20		
Protection class	class I		

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 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
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Guangming District, Shenzhen, China, 518106
www.merrytek.com Email:sales@merrytek.com

折叠方式：此面朝外，十折

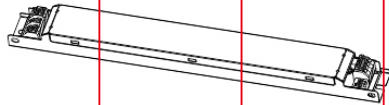
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KL60C-PDii / KL90C-PDii / KL120C-PDii

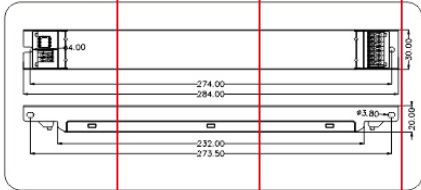
KREAT
POWER

DALI Dimmable LED Driver



M220621A2

Dimension(mm)



Current gear setting

1	2	3	KL60C-PDii	KL90C-PDii	KL120C-PDii
-	-	-	200mA(80-300V)	300mA(80-300V)	300mA(80-330V)
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-	ON	ON	450mA(80-133V)	650mA(80-139V)	650mA(80-185V)
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FEATURE

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- Stand-by power below 0.5W
- Primary dimming with push button
- 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-6S), 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	KL60C-PDii	KL90C-PDii	KL120C-PDii
Rated voltage	220-240V AC, 50/60Hz		
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Dimming	DALI&PUSH		
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The wire length of DALI	300m Max		
Output over temperature / short circuit protection	Yes, without self recovery function(Can be inquired)		
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EMC standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3		
DALI standard	IEC62386-102 IEC62386-207 DM6		
Safety standard	EN61347-1, EN61347-2-13		
Certification	CE, CB, UKCA, ENEC		
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Protection class	Class I		

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No.17th Building, Diansha Gueyuan Industrial Park, Mashaotou, Matian,
Guangming District, Shenzhen, China. 518106
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

△3				产品名称	DALI2电源	物料名称	说明书	视角	⊙	⏏
△2	增加ENEC标识	陈阳	20221102	产品编号	KL60C-PDii	物料编码	1050020001265	版本	A2	单位 mm
△1	输出电流单位统一格式，折法由9折改为10折	陈阳	20211223	设计	陈阳	20210803	材料	数量	1	页次
序号	变更内容	变更人	日期	审核						
料径	资料组\2-辅助设计\1-包装类\1-电源产品部\KL60C-PDii			批准						
深圳迈睿智能科技有限公司 ShenZhenMerrytekTechnologyCO.,LTD										