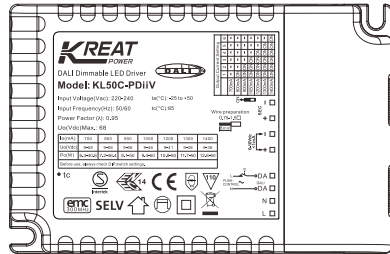


# KL50C-PDiIV



## Flicker-free DALI LED Driver 50W



EN

Instruction  
MI201009A2



### FEATURE

- Built-in DALI 2 protocol, no flicker in full dimming range;
- Secondary 0-10V (the darkest below 1V does not turn off) ;
- 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  $\leq 0.5W$ ;
- Life span > 50,000 hours.

### 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) on the switch

### SYNCHRONIZATION OF DRIVERS

- Press and hold the button for at least 15 sec.
- The driver starts the light at 50% light level, the system is now synchronized.

### 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, users have to short 0-10V interface and power on driver 5 seconds at least to make 0-10V active before using 0-10V dimming.

### DALI DIMMING (see wiring diagram, FigB)

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

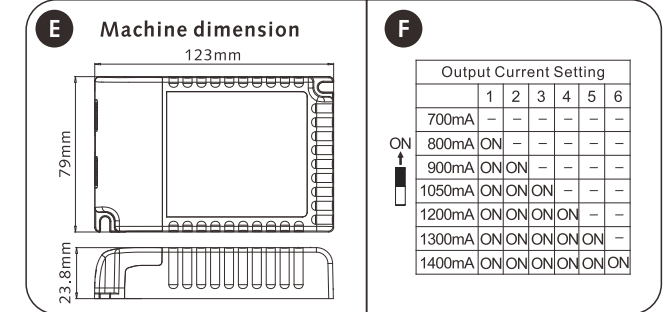
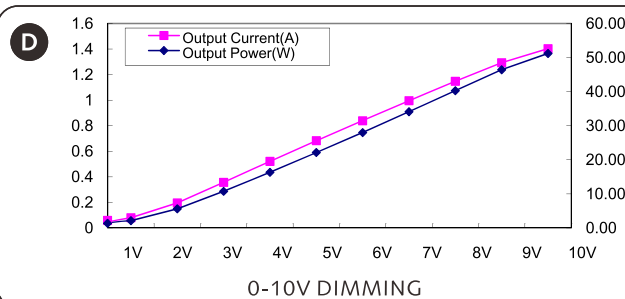
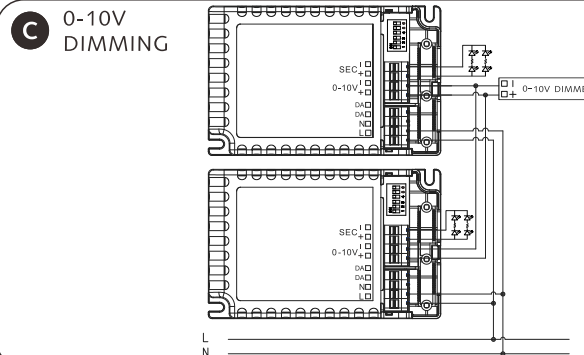
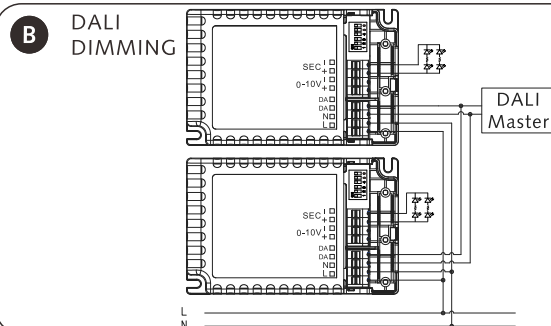
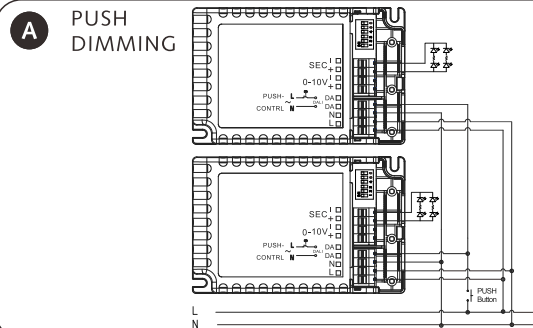
### RESET THE DRIVER

Short 0-10V interface and power on driver 5 seconds at least to reset the driver.

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

### SPECIFICATIONS

|                         |                                               |                     |
|-------------------------|-----------------------------------------------|---------------------|
| Model                   | KL50C-PDiIV, 1x50W                            |                     |
| Rated voltage           | 220-240V AC, 50/60Hz                          |                     |
| Rated current           | 0.27A (max)                                   |                     |
| Operating temperature   | -25°C~50°C                                    |                     |
| Dimming                 | DALI & PUSH & 0-10V                           |                     |
| Output voltage          | 700mA                                         | 9~58VDC 6.3~40.6W;  |
|                         | 800mA                                         | 9~58V DC 7.2~46.4W; |
|                         | 900mA                                         | 9~56V DC 8.1~50W;   |
|                         | 1050mA                                        | 9~48V DC 9.4~50W;   |
|                         | 1200mA                                        | 9~41V DC 10.8~50W;  |
|                         | 1300mA                                        | 9~38V DC 11.7~50W;  |
|                         | 1400mA                                        | 9~36V DC 12.6~50W;  |
| The wire length of DALI | 300m Max.                                     |                     |
| Abnormal protection     | Output short-circuit protection after restart |                     |
| Overheating protection  | Overheating protection after restart          |                     |
| EMC standard            | EN55015, EN61547, EN61000-3-2, EN61000-3-3    |                     |
| DALI-2 standard         | IEC62386-102, IEC62386-207                    |                     |
| Safety standard         | EN61347-1, EN61347-2-13, EN62493, EN60598-1   |                     |
| Certification           | SEMKO, CE, ENEC                               |                     |
| Dims                    | 123 x 79 x 23.8mm                             |                     |
| Protection class        | IP20                                          |                     |



### 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.<br>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

Phone: +86(755)2305 7253/59 • Fax: +86(755)2786 3012 • Email: sales@merrytek.com • www.kreatpower.com  
Add: 2nd and 3rd Floor, No. 3 building, 380 Xiangshan Avenue, Luotian, Yanluo, Baoan, Shenzhen, 518127, China

文件编号：KF-BZD-2002-009

物料编号：1050050262 版本：A2

变更履历：①说明书1-10V更改为0-10V；②说明书封面版本由A0升级为A2.

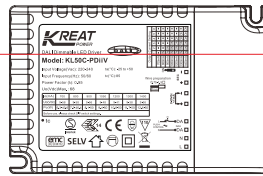
材质要求：70G书写纸 297\*210mm

折页方式，沿虚线折叠，此面朝外

## KL50C-PDiV



Flicker-free DALI LED Driver 50W



Instruction  
MI201009A2

### FEATURE

- Built-in DALI 2 protocol, no flicker in full dimming range;
- Secondary 0-10V (the darkest below 1V does not turn off) ;
- 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  $\leq 0.5W$ ;
- Life span > 50,000 hours.

### 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) on the switch

### SYNCHRONIZATION OF DRIVERS

- Press and hold the button for at least 15 sec.
- The driver starts the light at 50% light level, the system is now synchronized.

### 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, users have to short 0-10V interface and power on driver 5 seconds at least to make 0-10V active before using 0-10V dimming.

### DALI DIMMING (see wiring diagram, FigB)

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

### RESET THE DRIVER

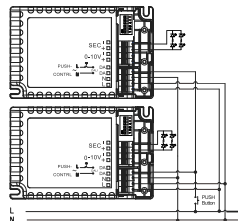
Short 0-10V interface and power on driver 5 seconds at least to reset the driver.

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

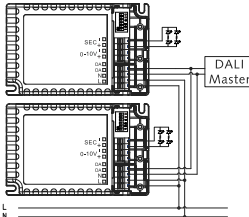
### SPECIFICATIONS

|                         |                                               |          |            |
|-------------------------|-----------------------------------------------|----------|------------|
| Model                   | KL50C-PDiV, 1x50W                             |          |            |
| Rated voltage           | 220-240V AC, 50/60Hz                          |          |            |
| Rated current           | 0.27A (max)                                   |          |            |
| Operating temperature   | -25°C~50°C                                    |          |            |
| Dimming                 | DALI & PUSH & 0-10V                           |          |            |
| Output voltage          | 700mA                                         | 9~58VDC  | 6.3~40.6W; |
|                         | 800mA                                         | 9~58V DC | 7.2~46.4W; |
|                         | 900mA                                         | 9~56V DC | 8.1~50W;   |
|                         | 1050mA                                        | 9~48V DC | 9.4~50W;   |
|                         | 1200mA                                        | 9~41V DC | 10.8~50W;  |
|                         | 1300mA                                        | 9~38V DC | 11.7~50W;  |
|                         | 1400mA                                        | 9~36V DC | 12.6~50W;  |
| The wire length of DALI | 300m Max.                                     |          |            |
| Abnormal protection     | Output short-circuit protection after restart |          |            |
| Overheating protection  | Overheating protection after restart          |          |            |
| EMC standard            | EN55015, EN61547, EN61000-3-2, EN61000-3-3    |          |            |
| DALI-2 standard         | IEC62386-102, IEC62386-207                    |          |            |
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| Certification           | SEMKO, CE, ENEC                               |          |            |
| Dims                    | 123 x 79 x 23.8mm                             |          |            |
| Protection class        | IP20                                          |          |            |

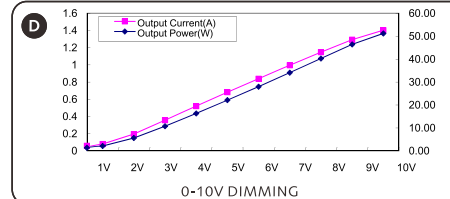
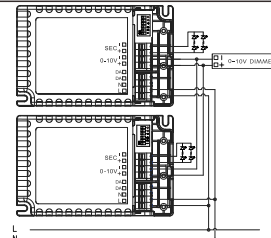
### A PUSH DIMMING



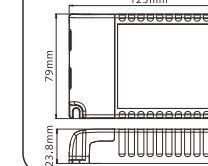
### B DALI DIMMING



### C 0-10V DIMMING



### E Machine dimension



### F

| Output Current Setting |    |    |    |    |    |    |
|------------------------|----|----|----|----|----|----|
|                        | 1  | 2  | 3  | 4  | 5  | 6  |
| 700mA                  | -  | -  | -  | -  | -  | -  |
| 800mA                  | ON | -  | -  | -  | -  | -  |
| 900mA                  | ON | ON | -  | -  | -  | -  |
| 1050mA                 | ON | ON | ON | -  | -  | -  |
| 1200mA                 | ON | ON | ON | ON | -  | -  |
| 1300mA                 | ON | ON | ON | ON | ON | -  |
| 1400mA                 | ON | ON | 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. |

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Add:2nd and 3rd Floor,No.3 building,380 Xiangshan Avenue,Luotian,Yanluo,Baoan,Shenzhen,518127,China