50W DALI LED Driver

FC CE ✔RoHS COMPLIANT UL △ DALI

Important: Read All Instructions Prior to Installation

Function introduction

Digital display

Common Anode output(+)

1 CH output(-)

DALI signal input

DALI LED Driver

AC 200-240V input

Dips to set the operation current
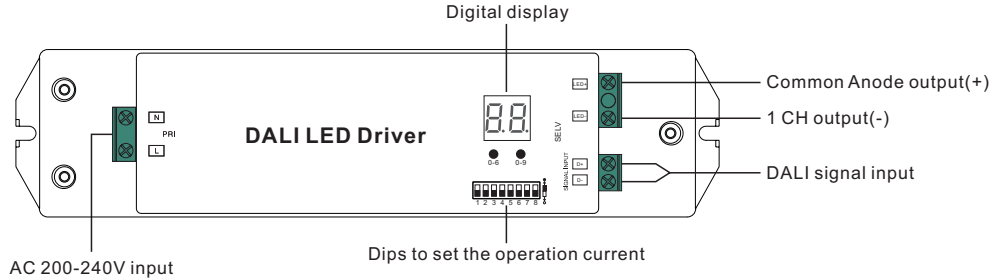
Product Data

Output	Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	600mA	700mA
	DC Voltage Range	15-48V	15-48V	15-48V	15-48V	15-48V	15-48V	15-48V	15-48V
	Selectable Current	800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA	1500mA
	DC Voltage Range	15-48V	15-48V	15-48V	15-46V	15-41V	15-38V	15-35V	15-33V
	Rated Power	50W							
Input	Voltage Range	200-240V AC							
	Frequency	50/60Hz							
	Power Factor (Typ.)	>0.9							
	Efficiency (Typ.)	87% @ 230VAC							
	Input Current	0.27A @ 230VAC							
Protection	Short Circuit	Yes							
	Over Voltage	Yes							
	Over Load	Yes							
Environment	Working Temp.	-20℃ ~ +45℃							
	Max. Case Temp.	85℃							
	Working Humidity	10% ~ 95% RH non-condensing							
	Storage Temp. & Humidity	-40℃ ~ +80℃, 10% ~ 95% RH							

Safety & EMC	Safety Standards	In compliance with EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547
Others	MTBF	193.6K hrs min.@ 230VAC at full load and 25℃ ambient temperature
	Dimension	210*50*32mm (L*W*H)

Dips to set the operation current

	1 2 3 4 5 6 7 8		1 2 3 4 5 6 7 8
250mA	○●○○○●●●	800mA	○●○○○●●●
300mA	○●○●○●●○	900mA	○●○●○●●○
350mA	○●○○●●●○	1000mA	○●○○●●●○
400mA	○●○●●●○○	1100mA	○●○●●●○○
450mA	○●○○○●●○	1200mA	○●○○○●●○
500mA	○●○●○●○○	1300mA	○●○●○●○○
600mA	○●○○●●○○	1400mA	○●○○●●○○
700mA	○●○○●○○○	1500mA	○●○○○○○○

- Dimmable LED driver
- Max. output power 50W
- 1 channel 250-1500mA constant current output
- Dips to set the operation current
- Class Ⅱ power supply, full isolated plastic case
- High power factor and efficiency
- To switch and dim single color LED lighting
- Built-in DALI interface, DALI DT6 device
- Compatible with universal DALI masters that support DT6 commands
- Error report function
- IP20 rating
- Suitable for indoor LED lighting applications
- 3 years warranty

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT set the operation current with power applied
- DO NOT expose the device to moisture.

Operation

1. Output Current

Select the correct output current before wiring to LED light by DIP Switches .Please make sure the power to the driver is disconnected before selection of the output current.

Note: by default factory setting, the DIP switch 1, 2, 3 and 4 are dialed down, the output current is 1500mA.

2. Set DALI Address Manually Via Buttons

1 DALI addresses for 1 channel output can be set manually via buttons:

2.1. Press and hold down any of the two buttons until numeric digital display flashes, then release the button.

2.2. Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set "tens" position and second button to set "units" position. The address can be set from 00~63.

2.3. Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

Note: DALI address can be manually assigned from 00-63-FF, by factory defaults, no DALI address is assigned for the dimmer, and the display shows *FF* . Setting DALI address as *FF* will reset the dimmer to factory defaults.

0-6   0-9

3. DALI Address Assigned by DALI Masters

DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Note: The digital display will show **AU** When the DALI master is assigning addresses.

Wiring Diagram