

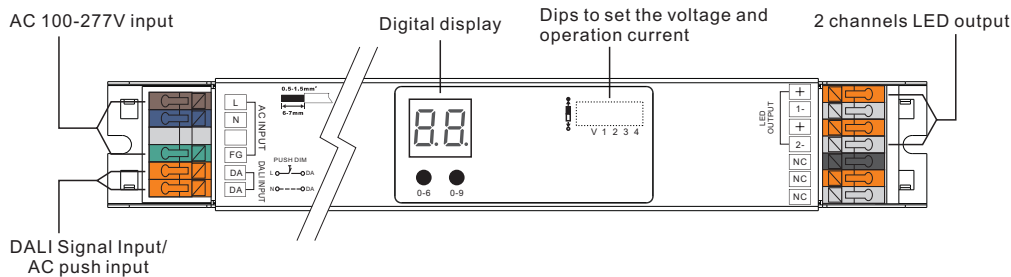
30W DALI LED Driver(Constant Current)

09.230530CT.04027



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

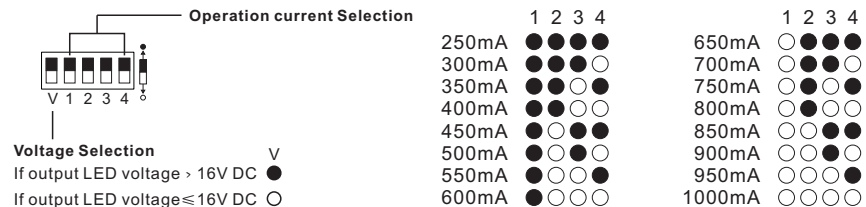
	LED Channel	2							
	Output	Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	550mA
DC Voltage Range		6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
Selectable Current		650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA
DC Voltage Range		6-46V	6-43V	6-40V	6-37V	6-35V	6-33V	6-31V	6-30V
Current Tolerance		±3%							
Rated Power		30W max.							
Input	Voltage Range	100-277V AC							
	Frequency Range	50/60Hz							
	Power Factor (Typ.)	> 0.98 @ 100VAC, > 0.96 @ 230VAC							
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)							
	Efficiency (Typ.)	87% @ 230VAC full load							
	AC Current (Typ.)	0.36A @ 100VAC, 0.16A @ 230VAC, 0.14A@277VAC							
	Inrush Current (Typ.)	COLD START 2A at 230VAC							
	Leakage Current	< 0.5mA /230VAC							
	Standby Power Consumption	< 0.5W							
	Control	Dimming Interface	DALI (DALI consumption < 2mA)/PUSH						
Dimming Range		0%-100%							

	Dimming Method	Pulse Width Modulation
	Dimming Curve	Logarithmic
Protection	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over Voltage	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed
Environment	Working Temp.	-20°C ~ +45°C
	Max. Case Temp.	80°C (Ta="45°C")
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	UL8750, CAN/CSA C22.2 No. 250.13-14, ENEC EN61347-1, EN61347-2-13 approved
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	193600H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature

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.

Dips to set the voltage and operation current



- Ultra slim design for use in linear LED lighting
- 2 channel constant current output
- Output current level selectable from 250mA to 1000mA by DIP switches
- Class II power supply, full isolated metal case
- Built-in active PFC function
- PF > 0.96, Efficiency > 87%
- Low standby power < 0.5W
- Built-in DALI/PUSH dimming interface
- Complies with DALI standards IEC62386-101, 102, 207
- DALI addresses quantity can be set as 1/2
- Enables to control single color, CCT (needs 2 DALI addresses) LED lighting
- Compliant with Safety Extra Low Voltage standard
- Short circuit, over load, over temperature protection
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

Safety & Warnings

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

Operation

1. Set DALI Address Manually Via Buttons



- 0-6
- 0-9

- 1.1 Press and hold down any of the two buttons until numeric digital display flashes, then release the button.
- 1.2 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.
- 1.3 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 driver, and the display shows **FF**. Setting DALI address as **FF** will reset the dimmer to factory defaults.

2. 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.

3. Set DALI Address Quantity



- 0-6
- 0-9

- 3.1 Press and hold down both of the two buttons until numeric digital display flashes, then release the button.
- 3.2 Click first button to select "1A" or "2A" which means 1 address or 2 addresses.
- 3.3 Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

For example, when we set address to 22:
When select 1A, both two channels will be the same address 22.
When select 2A, channel 1 will be address 22, channel 2 will be address 23.

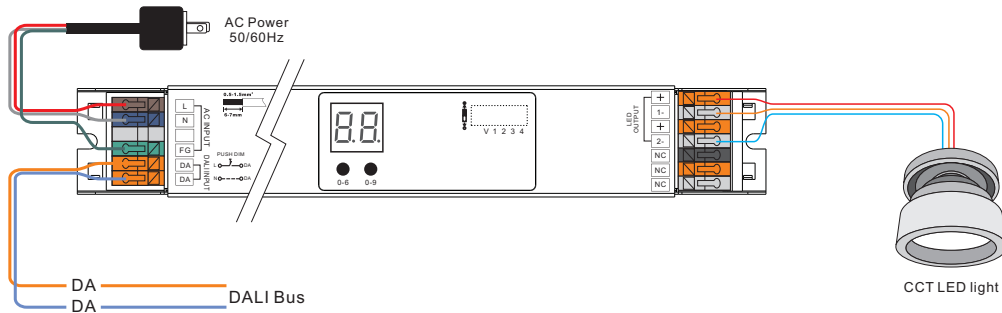
4. Push Dimmer Mode

While connected with a AC PUSH, the digital display will show "PD" which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

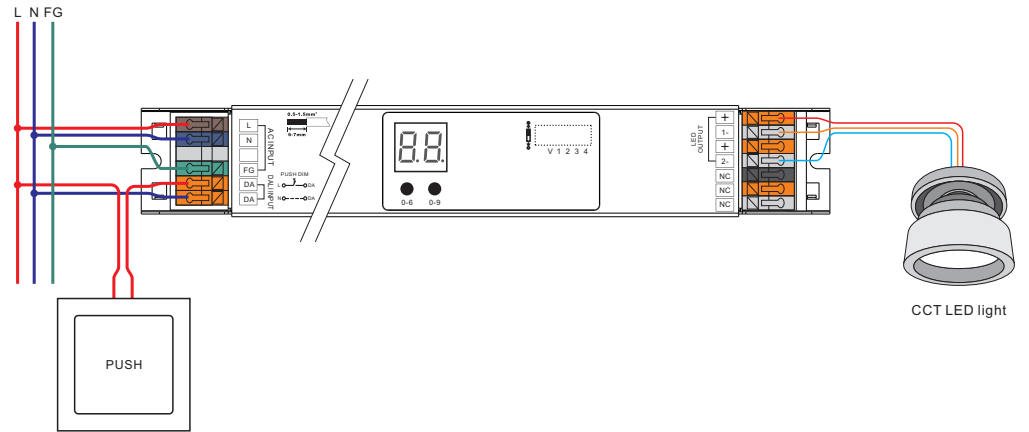
- 4.1. Click the button to switch ON/OFF
- 4.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- 4.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

Wiring Diagram

1. With DALI bus



2. With PUSH dimmer



Product Dimension(Unit:mm)

