

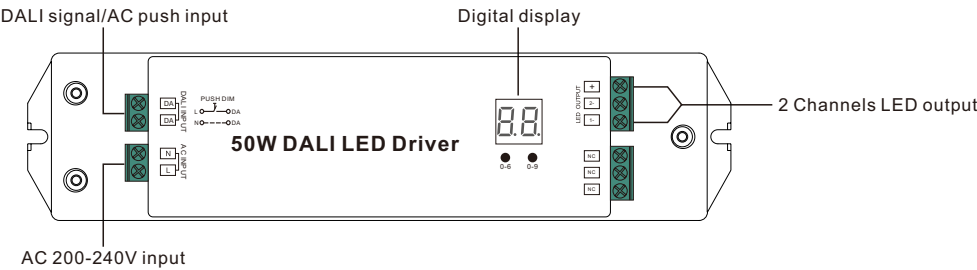
50W DALI+AC Push LED Driver(constant voltage)

70220039



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Output	DC Voltage	12V DC		24V DC	
	Max. Current	4.16A/ch max., ch1+ch2=4.16A		2.08A/ch max., ch1+ch2=2.08A	
	Rated Power	max. 50W			
Input	Voltage Range	200-240V AC			
	Frequency	50/60Hz			
	Power Factor (Typ.)	> 0.9			
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)			
	Efficiency (Typ.)	85% @ 230VAC		88% @ 230VAC	
	AC Current (Typ.)	0.27A @ 230VAC			
	Inrush Current (Typ.)	COLD START Max. 2A at 230VAC			
	Leakage Current	< 0.5mA /230VAC			
Control	Dimming Interface	DALI (DALI consumption < 2mA)/PUSH			
	Dimming Range	0.1%-100%			
	Dimming Method	Pulse Width Modulation			
	Dimming Curve	Logarithmic			
Protection	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.	75°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	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
Others	MTBF	193600H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	210*50*32mm (L*W*H)

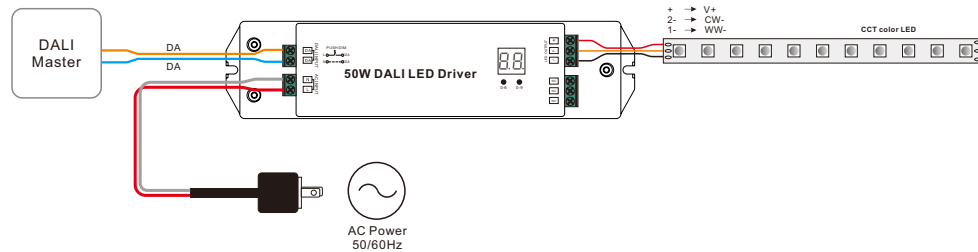
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2 interface, DALI DT6 device
- Compatible with universal DALI masters that support DT6 commands
- Dimmable LED driver
- Max. output power 50W
- 2 channels DC 12/24V constant voltage output
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- DALI addresses quantity can be set as 1/2
- Enables to control single color, CCT (needs 2 DALI addresses)
- Compliant with Safety Extra Low Voltage standard
- Over load, over temperature protection
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

Safety & Warnings

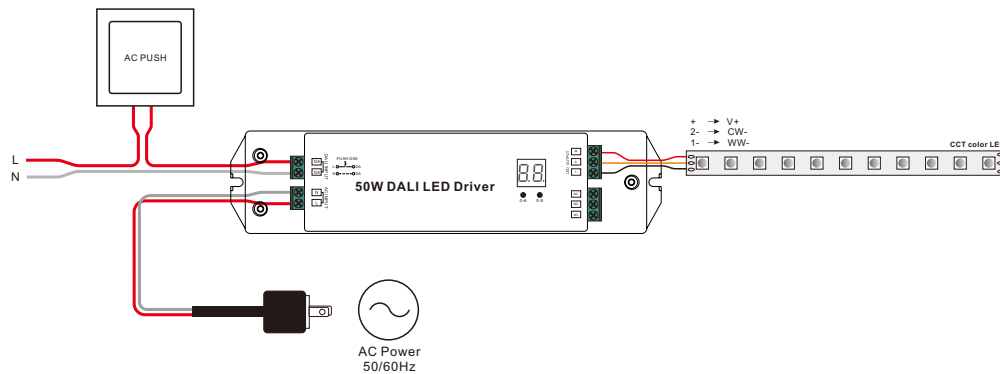
- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Wiring Diagram

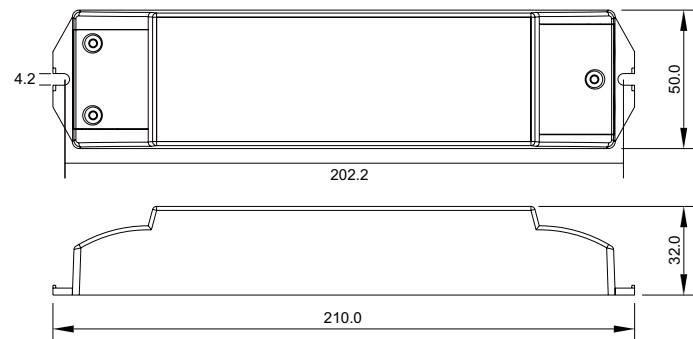
1. With DALI bus



2. With PUSH dimmer



Product Dimension



Operation

1. Set DALI Address Manually Via Buttons



- 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.

FF Mode: to set the driver to **FF** mode, please set the DALI address above 63 or below 00, which will enable the display to show **FF**, then press and hold down any of the two buttons until display stops flashing to confirm the setting.

2. DALI Address Assigned by DALI Masters

- 2.1 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 **RU** when the DALI master is assigning addresses.

3. Set DALI Address Quantity



- 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.
- 4.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.