

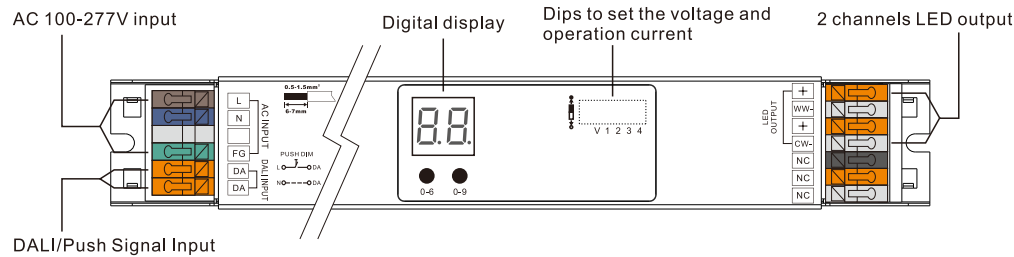
75W DALI DT8 LED Driver (Constant Current)

70220032



Important: Read All Instructions Prior to Installation

Function introduction

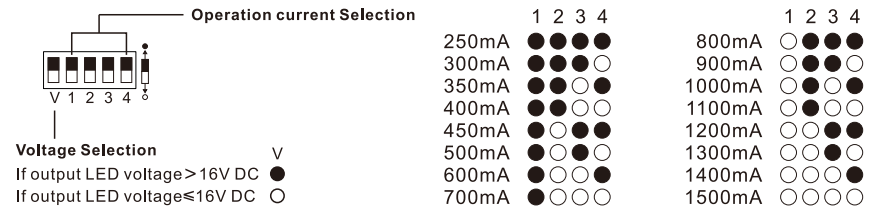


Product Data

	LED Channel	2							
	Output	Selectable Current	250mA	300mA	350mA	400mA	450mA	500mA	600mA
DC Voltage Range		6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
Selectable Current		800mA	900mA	1000mA	1100mA	1200mA	1300mA	1400mA	1500mA
DC Voltage Range		6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V	6-48V
Current Tolerance		±3%							
Rated Power		Max. 72W/CH, CH1+CH2 ≤ 75W							
Input	Voltage Range	100-277V AC							
	Frequency Range	50/60Hz							
	Power Factor (Typ.)	> 0.99 @ 100VAC, > 0.96 @ 230VAC							
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)							
	Efficiency (Typ.)	87% @ 230VAC full load							
	AC Current (Typ.)	0.9A @ 100VAC, 0.39A @ 230VAC							
	Inrush Current (Typ.)	COLD START 2A at 230VAC							
	Leakage Current	< 0.5mA /230VAC							
	Standby Power Consumption	< 0.5W							
	Control	Dimming Interface	DALI DT8 (DALI consumption<2mA)/Push						
Dimming Range		0.1%-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.	-25°C ~ +45°C
	Max. Case Temp.	88°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, 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	188500H, MIL-HDBK-217F @ 230VAC at full load and 25°C ambient temperature

Dips to set the voltage and operation current



- Ultra slim design for use in linear LED lighting
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209:2011
- Built-in DALI-2 interface, DALI DT8 device
- Output current level selectable from 250mA to 1500mA 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
- DALI device type 8 for tunable white, each device controlled via a single DALI address
- Color tuning according to DALI specification Device Type 8, Color Type Tc
- 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. 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.



2. DALI Device Type

- 1.1. Press and hold down both buttons until digital display flashes, then release the button.
- 1.2. Keep clicking the 2nd button, you will get several device types as follows:

7C, means Tc color type, which can control tunable white LED using 1 DALI address under this mode (Default setting).

Note: The following mode are not suitable for this product. Please don't choose any of them in actual use.

7c Hc r.c H6 H4 r9

- 1). Only 7C mode is valid among all of these DALI device types.
- 2). We do not recommend choosing any other DALI device types in terms of this product.

3. Set DALI Address Manually Via Buttons



0-6 0-9

- 2.1. Press and hold down the first button on the left until 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.

4. 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.

Once an address is selected, all two channels' address will be the same. For example, if the dimmer is addressed to 22 on the display then CH1 and CH2 will be the same address 22.

5. PUSH Dimmer Mode

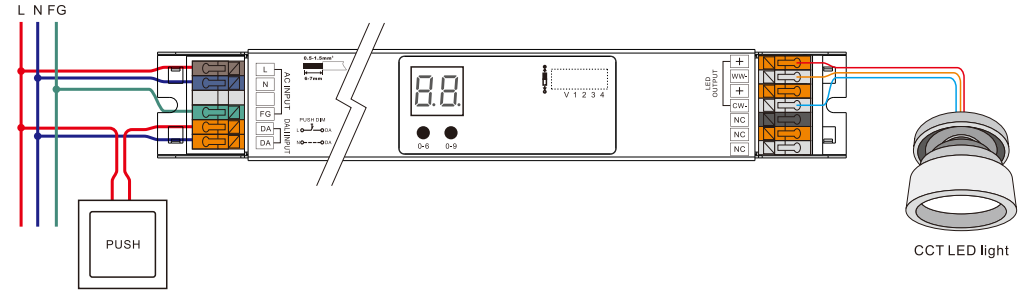
While connected with a AC PUSH, the digital display will show "PD" which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

- 5.1. Click the button to switch ON/OFF
- 5.2. 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 0.1% to 100%.
- 5.3. Double click the button to switch between brightness mode and color temperature mode.
- 5.4. Press and hold down the button to change color temperature under color temperature mode.

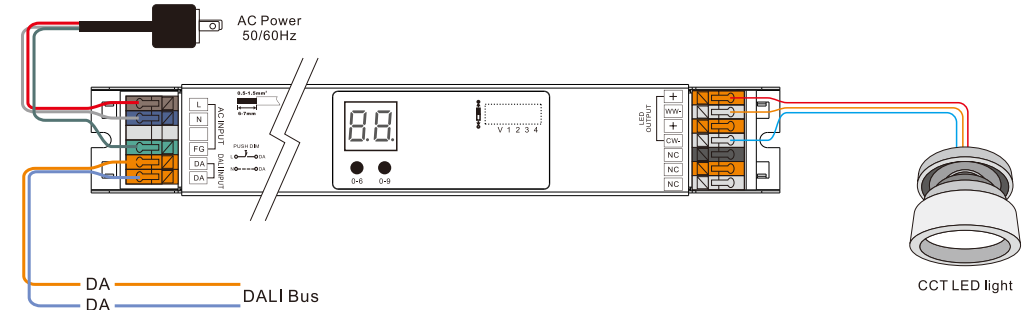
Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

Wiring Diagram

1. With PUSH dimmer



2. With DALI Bus



Product Dimension(Unit:mm)

