

100W DALI LED Driver(constant voltage)

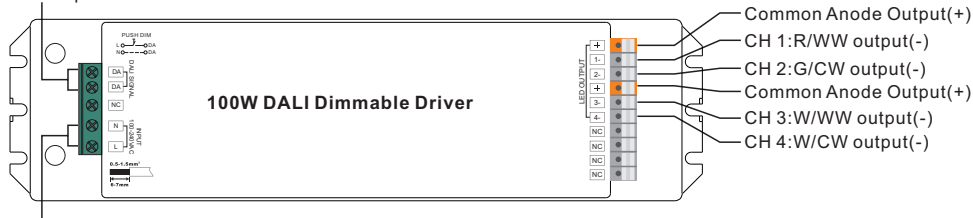
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Important: Read All Instructions Prior to Installation

Function introduction

DALI signal input/
AC Push input



AC 100-240V
power input

Product Data

Output	LED Channel	4
	DC Voltage	24V DC
	Max. Current	Max. 4.16A/CH, CH1+CH2+CH3+CH4=4.16A
	Voltage Tolerance	±1%
	Rated Power	max. 100W
Input	Voltage Range	100-240V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.90 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	90% @ 230VAC full load
	AC Current (Typ.)	1.2A @ 100VAC, 0.5A @ 230VAC
	Inrush Current (Typ.)	COLD START Max. 50A at 230VAC
Control	Leakage Current	< 0.5mA /230VAC
	Dimming Interface	DALI (DALI consumption < 2mA)/PUSH
	Dimming Range	0.1%-100%
Protection	Dimming Method	Pulse Width Modulation
	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed

Environment	Working Temp.	-20°C ~ +50°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	TUV 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	189100H, MIL-HDBK-217F @ 230VAC full load and 25°C ambient temperature
	Dimension	244*64*32mm (L*W*H)

- Dimmable LED driver, max. output power 100W total
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2 interface, DALI DT6 device
- 100-240VAC wide input voltage
- 4 channels DC 24V constant voltage output
- Class 1 power supply, full isolated plastic case
- High power factor and efficiency
- Stand-by power consumption less than 0.5W, meet latest ERP regulations
- Max.14pcs Driver on 13A circuit breaker
- Max.17pcs Driver on 16A circuit breaker
- DALI addresses quantity can be set as 1/2/3/4
- Enables to control single color, CCT (needs 2 DALI addresses), RGB (needs 3 DALI addresses), RGBW (needs 4 DALI addresses) LED lighting
- 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.

Operation

1. DALI Address Assigned by DALI Masters

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

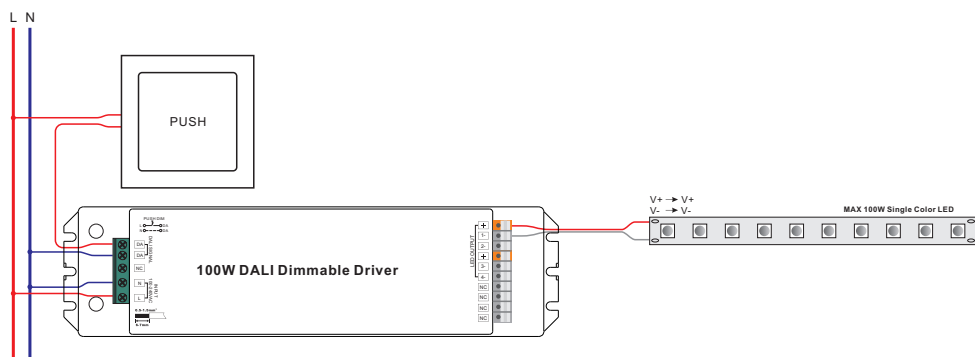
2. PUSH Dimmer Mode

Operations under Push Dimmer Mode are as follows:

- 2.1. Click the button to switch ON/OFF
- 2.2. 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.
- 2.3. 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 PUSH dimmer



Product Dimension



Wiring diagram

2. With DALI bus

