200W DALI & 0-10V & 1-10V LED Driver
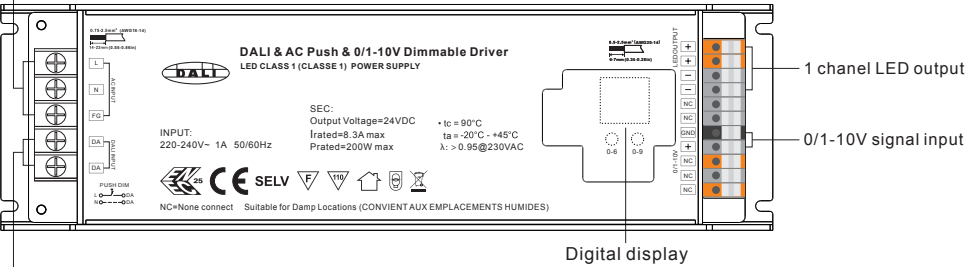
Important: Read All Instructions Prior to Installation

Function introduction

AC power

DALI/AC push intput

Digital display

1 chanel LED output

0/1-10V signal input

Product Data

Output	LED Channel	1 (with 2 groups of terminal connected in parallel)
	DC Voltage	24V DC
	Max. Current	Max. 4.16A/group of terminal, group 1+group2=8.32A
	Voltage Tolerance	± 3%
	Rated Power	max. 200W
Input	Voltage Range	220-240V AC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.95 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	1A @ 230VAC
	Inrush Current (Typ.)	COLD START max. 65A at 230VAC
	Leakage Current	< 0.5mA /230VAC
Control	Dimming Interface	DALI (DALI consumption <2mA) & 0-10V & 1-10V
	Dimming Range	1%-100%
	Dimming Method	Pulse Width Modulation

Protection	Over Current	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.	90°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	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% R H
	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 1 KV
Others	MTBF	183100H, MIL-HDBK-217F @ 230VAC at full load and 25℃ ambient temperature

- Dimmable LED driver with rectangle metal case
- With DALI & 0-10V & 1-10V dimming interfaces
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Built-in DALI-2 interface, DALI DT6 device
- 1 channel 24VDC constant voltage output
- Class 1 power supply, full isolated metal case
- Built-in two-stage active PFC function
- PF > 0.95, Efficiency > 93%
- Compatible with universal 0/1-10V dimmers
- PWM digital dimming output
- 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 the device.
- DO NOT expose the device to moisture.

Operation

1. Dimming Interface Selection

1.1. The LED driver supports 3 kinds of dimming input: DALI, Push, 0/1-10V.
1.2. Please select any of the 3 dimming interfaces to wire each time.
1.3. To connect a new dimming interface, previously connected dimming interface must be disconnected, once a new dimming interface is connected, please re-power on the driver to switch to current dimming interface.
1.4. DO NOT connect more than 2 (including 2) dimming interfaces simultaneously.
1.5. The digital display will show different information while connected to different dimming inputs:

DALI: 00 (DALI address) **88** , Push Dim: Pd **88** , 1-10V: (1-t) **88** ,
after connecting a new dimming input, re-power on the driver, display will show Pc, control with current dimming input, the display will automatically change to show corresponding information of current dimming.

2. Set DALI Address Manually While Connected with DALI Input

0-6   0-9

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 driver, and the display shows FF **. Setting DALI address as**

FF **will reset the dimmer to factory defaults.**

3. DALI Address Assigned by DALI Masters

3.1 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 AU **when the DALI master is assigning addresses.**
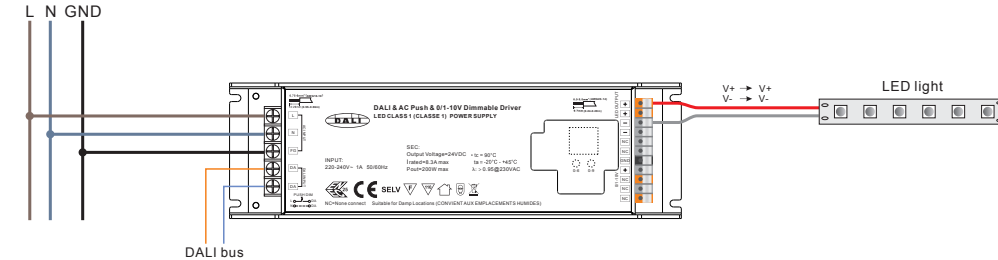
4.PUSH Dimmer Mode

While connected with a AC push switch, the digital display will show "PD" which means Push Dimmer Mode, operations under PUSH Mode are as follows:
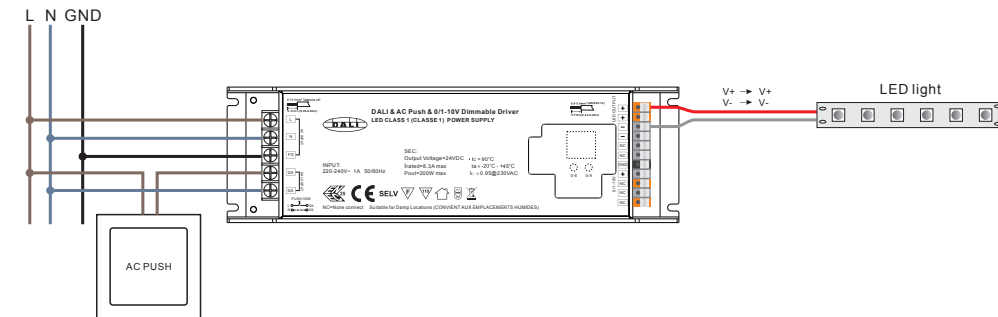
4.1. Click the button to switch ON/OFF

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.
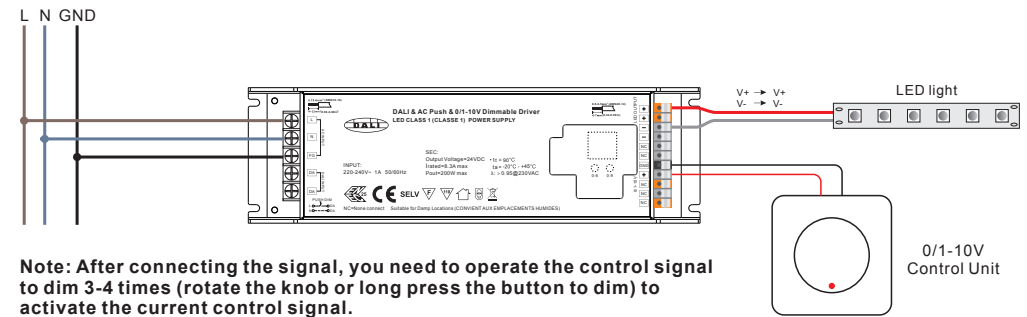
Wiring diagram

1.With DALI bus

L N GND

DALI bus

2.With PUSH dimmer

L N GND

AC PUSH

3.With 0/1-10V dimmer

L N GND

0/1-10V Control Unit

Note: After connecting the signal, you need to operate the control signal to dim 3-4 times (rotate the knob or long press the button to dim) to activate the current control signal.

Product Dimension