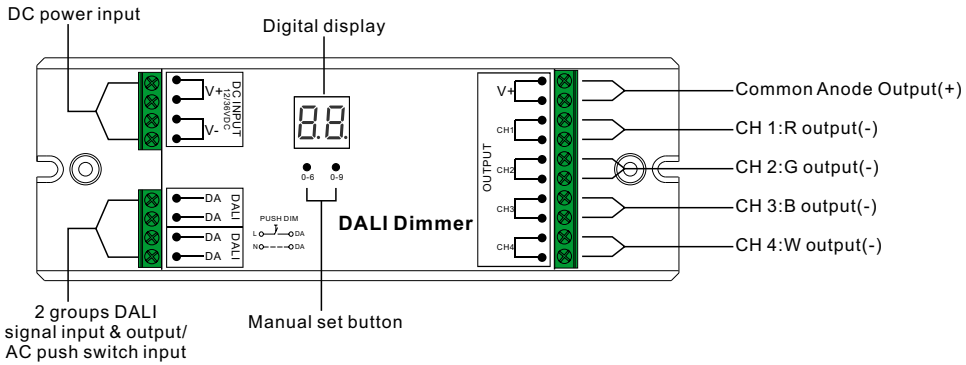
4CH DIM CV

TD-4CH-8A-CV-DALI

Important: *Read All Instructions Prior to Installation*

Function introduction



Product Data

Input Voltage	Output Current	Output Power	Remarks	Size(LxWxH)	DALI Consumption	Dimming Range	Ambient Temperature
12-36VDC	4x8A	4x(96-288)W	Constant voltage	170x59x29mm	2mA	0.1%-100%	-20℃ ~ +50℃

- Complies to DALI standards IEC 62386-102, IEC 62386-207
- Match all DALI system in the market
- Manual /automatically DALI address setting
- DALI address digital indicate
- Push dimmer/DALI dimmer optional
- Four channels, can set addresses from one to four.
- To work with power repeater to expand output power unlimitedly.
- Waterproof grade:IP20

Safety & Warnings

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

Operation

This product can be operated under DALI Dimmer mode and Push Dimmer mode while connected with DALI master controllers and push switches respectively.

1. Switching of Two Modes

DALI and Push DIM functions cannot be used simultaneously, which can be controlled respectively by DALI master controllers and push switches.

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 dimmer, and the display shows FF. Setting DALI address as FF will reset the dimmer to factory defaults.

2. Set DALI Address Quantity

1 2

2.1. Press and hold down both of the two buttons until numeric digital display flashes, then release the button.
2.2. Click first button to select “1A”, “2A”, “3A” or “4A” which means 1 address, 2 addresses, 3 addresses or 4 addresses.
2.3. 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, all four channels will be the same address 22.
When select 2A, channel 1 & 3 will be the same address 22, channel 2 & 4 will be the same address 23.
When select 3A, channel 1, 2, 3 will be address 22, 23, 24 respectively, and channel 4 address is also 24.
When select 4A, channel 1, 2, 3, 4 will be address 22, 23, 24, 25 respectively.

3. 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.

4. Push Dimmer Mode

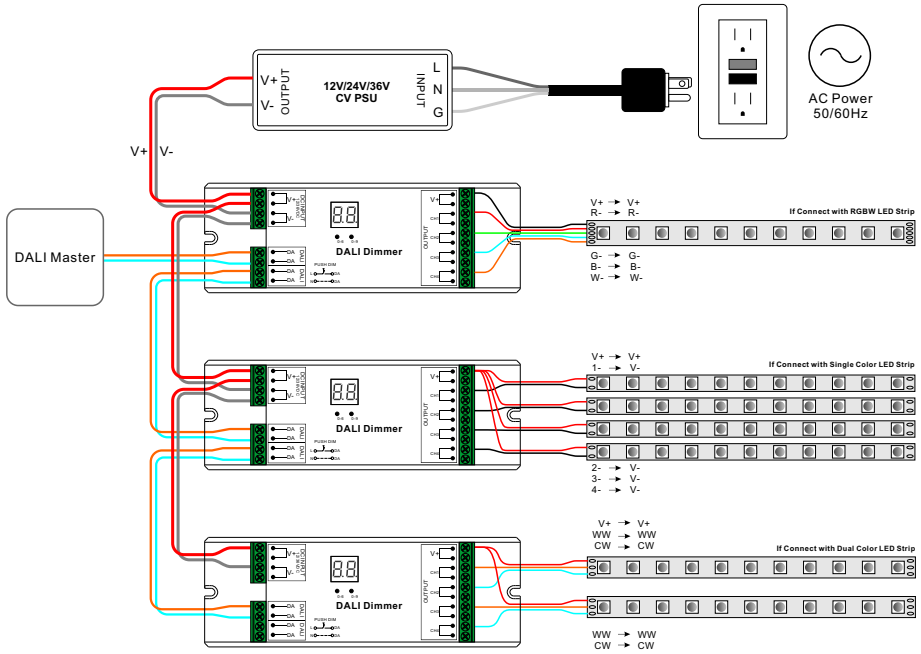
While connected with a AC push switch, the digital display will show “PD” which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:
4.1. Click the button to switch ON/OFF
4.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
4.2. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

Conformity & Standards

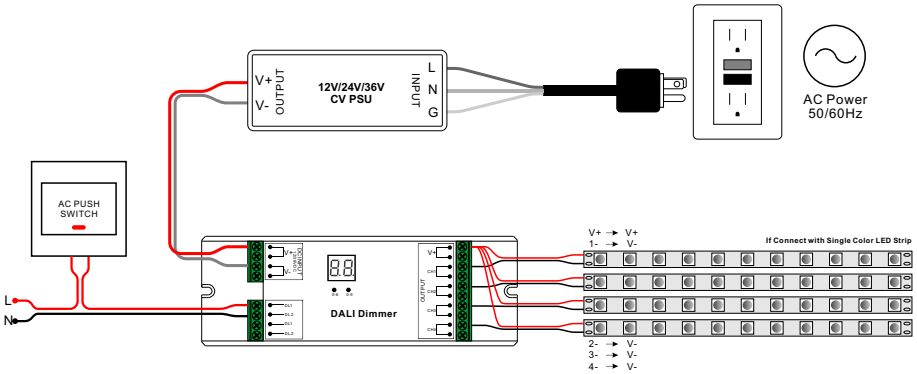
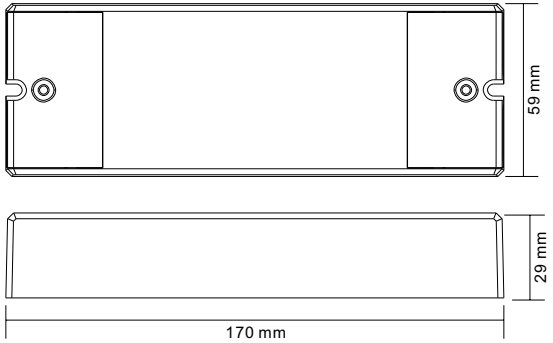
- Radio Frequency Interference according to EN 55015:2013
- Immunity standard according to EN 61547:2009
- TÜV Rheinland marked, CE marked

Wiring diagram

With DALI master



With AC push dimmer



Product Dimension