

LED DALI Dimmer

Phase-cut LED DALI dimmer

AC phase-cut dimmer with DALI and Push control interface.

Technical notes

- Built-in DALI-2 interface, DALI DT6 device
- Match all DALI systems in the market
- DALI and push switch control interface
- 1 DALI address to control 1 Channel Output
- Input and Output with Screw Terminals
- Trailing edge dimming, supports resistive loads and capacitive loads
- Adjustable minimum brightness
- Single Wire Push Switch Input for Push Dim Function
- Compatibility with Universal 8V-230V~ Input Push Switches
- Dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights
- IP20

Connection details

Mains voltage: 100–240 V
 Mains frequency: 50/60 Hz
 Rated power: 400 W
 Dimming: trailing-edge (C, R)
 Ambient temperature: 5 to 50 °C

Ref. No.: 572931

Dimensions (LxWxH): 45x45x20,3 mm
 Packaging unit: 1 pc.

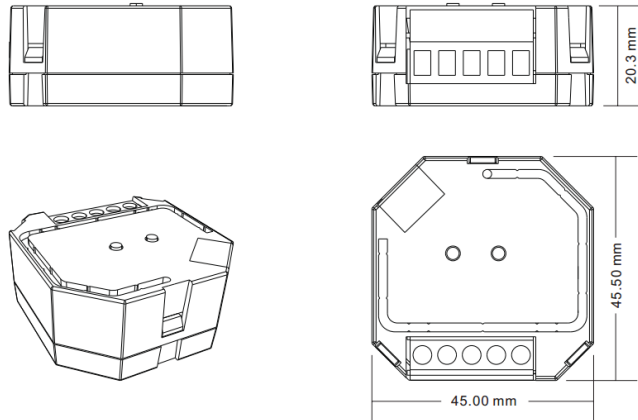


Applied standards

- IEC 62386-101:2014
- IEC 62386-102:2014
- IEC 62386-207 Ed2



Drawing

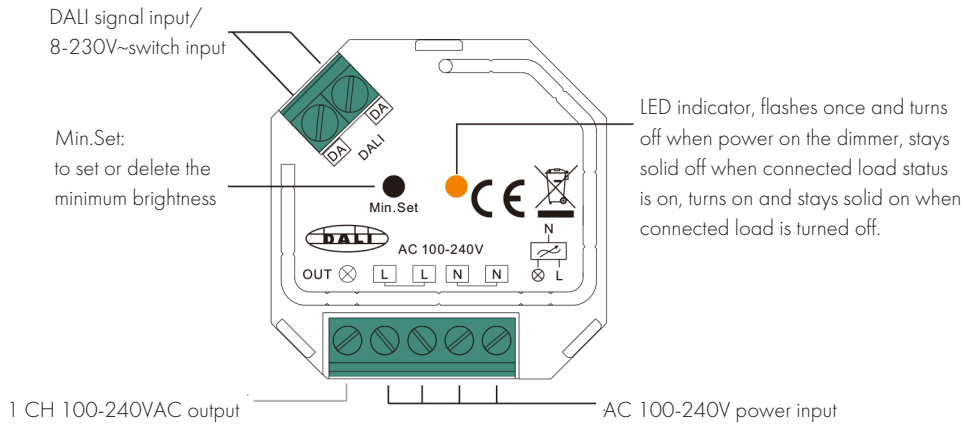


Type	Ref. No.	Input Voltage 50–60 Hz V	Output Voltage 50–60 Hz V	Output current A	Output Power W (@220V)	Load Type	DALI consumption mA
LED DALI Dimmer	572931	100–240	100–240	1,8	400	LED, Incandescent	<2

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

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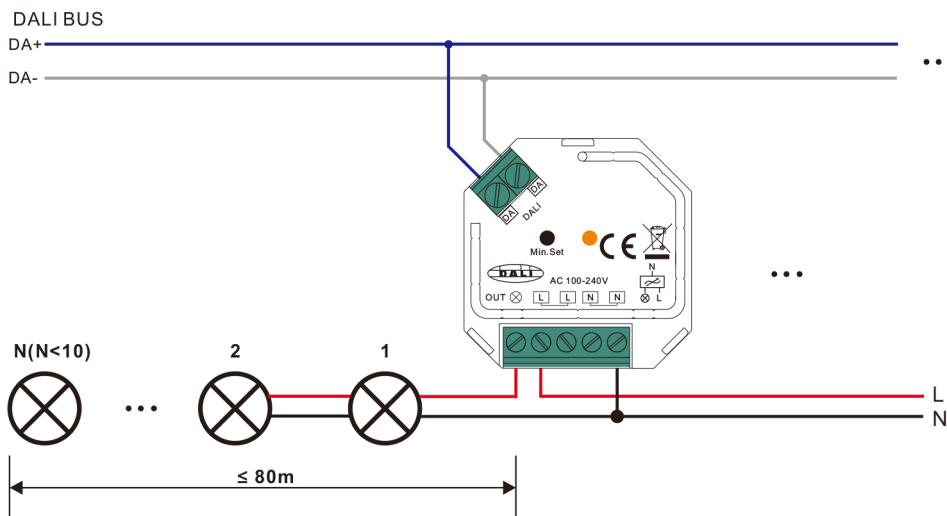
Functions



Compatible load types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	200W@230V 100W@120V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	200W@230V 100W@120V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating
	Incandescent lighting, HV Halogen lamps	400W@230V 200W@120V	
	Low voltage halogen lighting with electronic transformer	200W@230V 100W@120V	

Wiring diagram

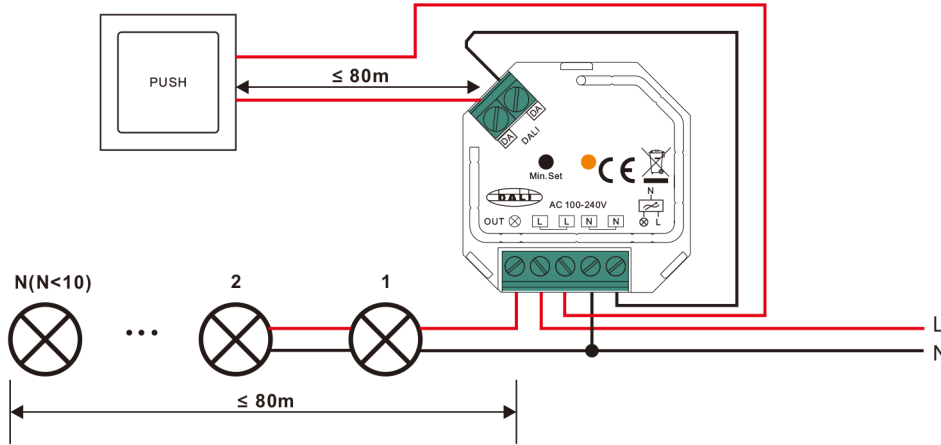
(1) With DALI Signal



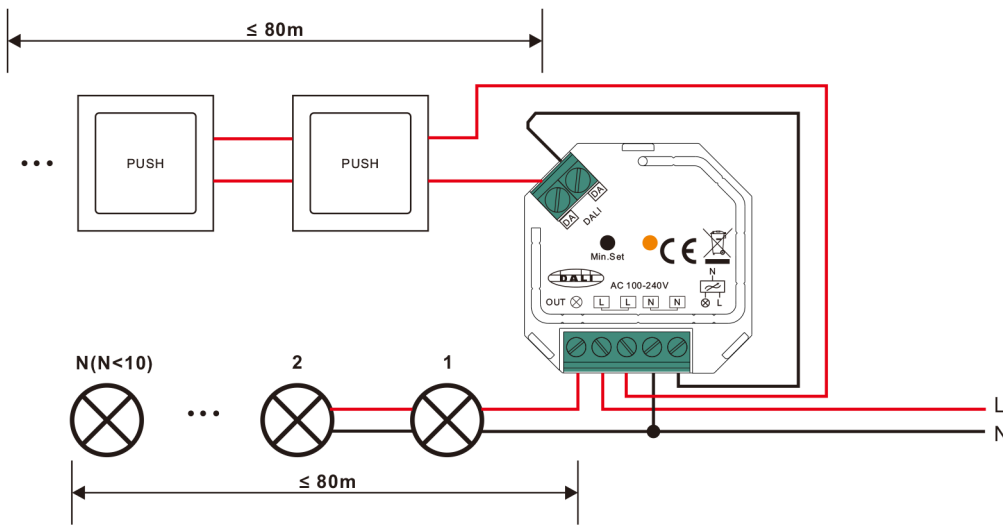
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Wiring diagram

(2) With Single AC Push Switch



(2) With Multiple AC Push Switches for Multiple Control Points



Note:

- The maximum allowed number of parallel connected drivers or luminaries shall be less than 10, otherwise the dimmer may be damaged due to the high inrush current at the moment of starting.
- The maximum allowed cable length from the dimmer to connected drivers or luminaries shall not be longer than 80 meters.
- The maximum allowed cable length from the push switches to the dimmer shall not be longer than 80 meters.

This phase dimmer adopts trailing edge dimming (reverse phase control), please make sure the connected loads support reverse phase control. Please refer to the user manual of the load or consult the supplier of the load.

Operation**Setting DALI Address:**

- DALI addresses for 1 channel output is assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Setting minimum brightness:

Adjust brightness to a level, then press and hold down "Min. Set" key on the dimmer until the light flashes, once set a minimum brightness, the light can only be dimmable between this minimum brightness and maximum brightness.

The dimming range of this dimmer is 1%-100%, but some load types may flicker when dimmed to 1%, thus a minimum brightness shall be set higher than 1% to avoid flickering during dimming process.

Delete the minimum brightness:

Adjust the brightness to maximum level, then click "Min. Set" key on the dimmer to delete the minimum brightness, the light will flash to indicate successful reset.

PUSH DIM:

While connected with PUSH switch, click the button to switch ON/OFF lights. Press and hold down the button to increase/decrease light intensity.

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