

DALI-2 200W Phase cut Dimmer Instructions



Highlights

- AC phase cut dimmer with both DALI and push switch control interface
- Dim and switch LED lamps and traditional lights
- Control via DALI and push switch control interface
- 1 DALI address to control 1 channel output, up to 400 W
- 100 ... 240 V AC input and output voltage
- Supports resistive and capacitive loads
- DALI-2 certified
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.
- Innovative minimum brightness setting function
- IP20

Delivery Content

Identcode

- DALI-2 200W Phase cut Dimmer CL23100279955
- Welcome note
- Instructions (English)



For further product information and downloads see www.ecue.com.

Safety & Warnings



- Do not install with power applied to device.
- Do not expose the device to moisture.
- Read the instructions prior to installation.

Product Specifications

Dimensions (W x H x D)	46 x 45 x 20 mm / 1.81x 1.77 x 0.79 in
Weight	50 g
Power input	100 ... 240 V AC
Operating temperature	-20 ... 45 °C / -4 ... 113 °F
Storage temperature	-40 ... 85 °C / -40 ... 185 °F
Operation / storage humidity	5 ... 95% RH, non-condensing
Mounting	Place in in-wall mounted boxes
Protection class	IP20
Certificates	CE, UKCA, DALI2, RoHS

Interfaces

Input	1 x DALI
Outputs	1 x AC channel: 100 ... 240 V AC, 1.8 A max.
Output dimming curve gamma	Logarithmic
User interfaces	1 x button 1 x LED

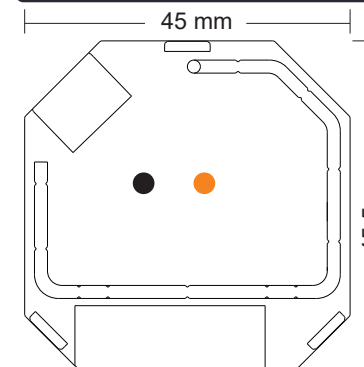
Terminals

Connection type	Screw terminal connectors
Wire size solid core, stranded wire with end ferrule	0.5 ... 2.5 mm ² (AWG20 ... AWG13)
Stripping length	6 ... 7 mm / 0.24 ... 0.28 in
Tightening / release of wire	Screw mechanism

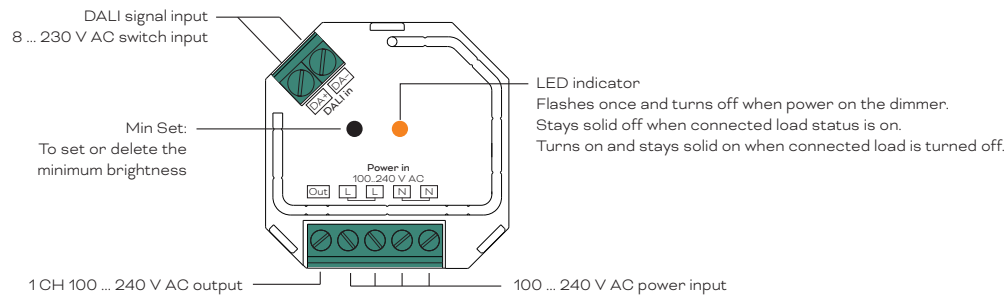
Compatible Load Types

Load Type	Maximum Load
Dimmable LED lamps	200 W @ 230 V 100 W @ 120 V Maximum number of LED lamps per channel is dependent on power factor result when connected to dimmer.
Dimmable LED lamps	200 W @ 230 V 100 W @ 120 V Maximum number of drivers per channel is 200 W / 100 W divided by driver nameplate power rating.
Incandescent lighting, halogen 240 V lamps	400 W @ 230 V 200 W @ 120 V
Low voltage halogen lighting with electronic transformers	200 W @ 230 V 100 W @ 120 V

Dimensions



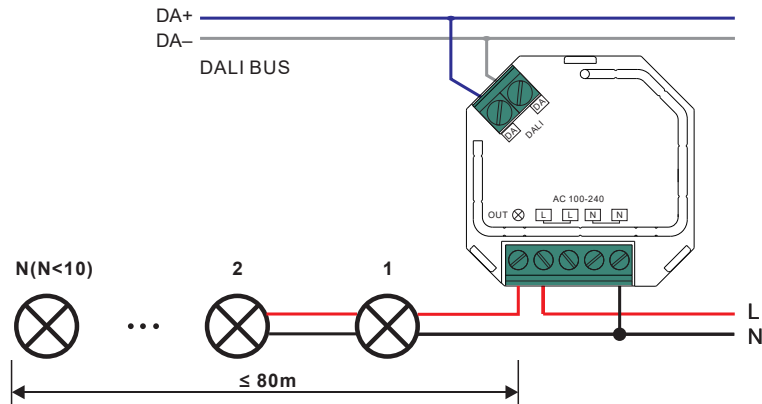
Installation



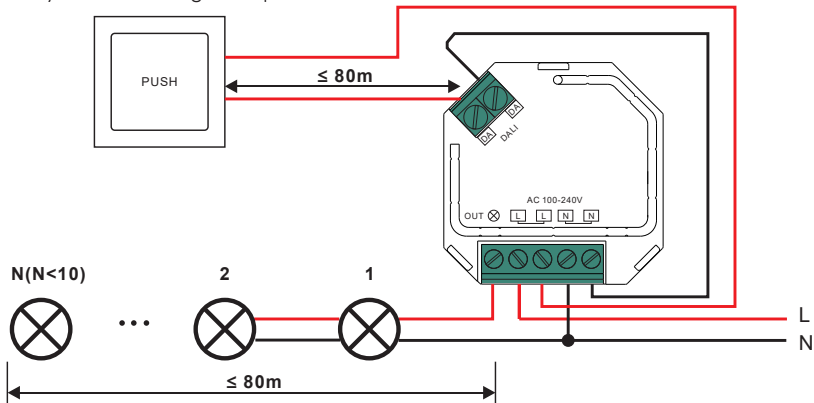
Wiring Diagram

This phase dimmer adopts trailing edge dimming (reverse phase control). Please make sure the connected loads support reverse phase control.

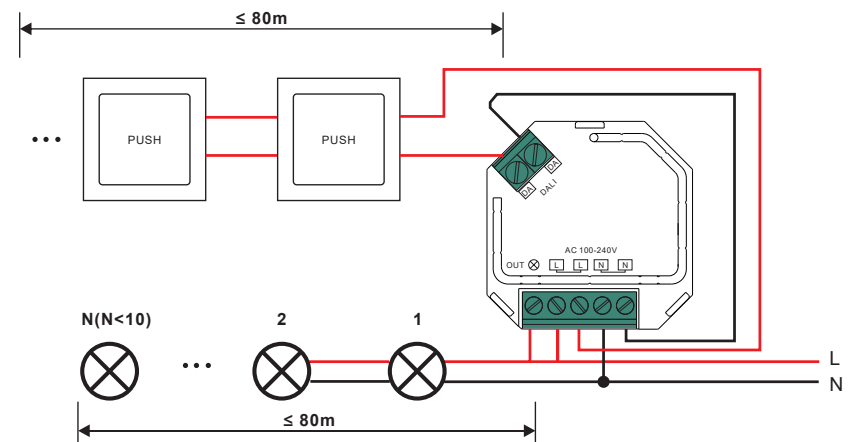
1. System with DALI signal



2. System with single AC push switch



3. System with multiple AC push switches for multiple control points



Device Setup

a) Set DALI Address

1 DALI address for 1 channel output is assigned by the DALI Master controller automatically. Refer to the user manual of the DALI Master controller for specific information

b) Set Minimum Dimming Brightness Point

The factory dimming range is 5% ... 100%, but the 5% can be reconfigured as below:
Operate the DALI master to dim the luminaire to the desired brightness. Then press and hold down the **Min.Set** button until the luminaire flashes, which means that the minimum point is now set at this brightness. You cannot dim below this brightness point. To change the minimum brightness, repeat these steps.

Reset to factory default: dim up the light to 100%, then press **Min.Set** button until the luminaire flashes.

Note:

Some load types may flicker when dimmed to 5%. It is therefore recommended to set the minimum brightness higher than 1% to avoid flickering during dimming process.

c) Push Dim

When connected to a push switch, click the **Min.Set** button to switch the luminaire on/off. Press and hold down the **Min.Set** button to increase/decrease the light intensity.