Digital Rotary Dimmer

multicomp PRO

RoHS Compliant

Features

- Each control circuit can supply DALI power for as many as 50 DALI devices
- The lighting system responds immediately and harmoniously when the brightness level is changed at either of the control devices
- Innovative Function to Power DALI Bus While Connected to AC Mains
- Powered by DALI Bus while not Connected to AC Mains

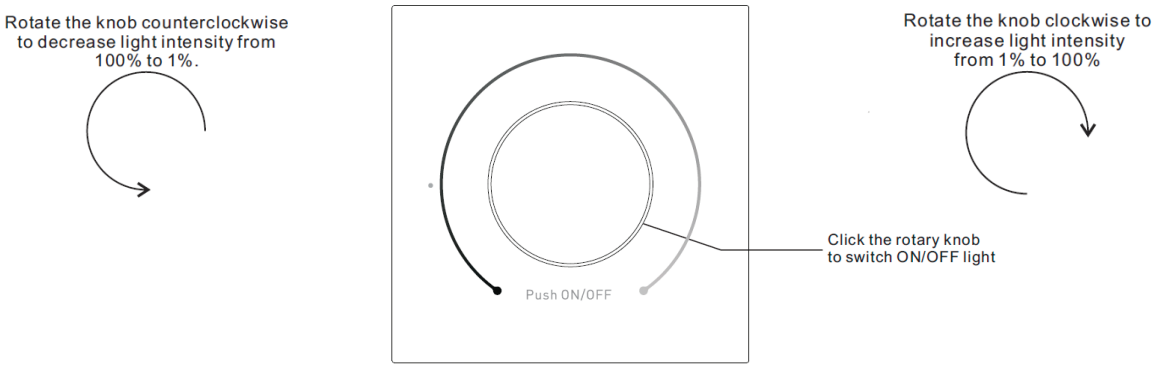
Specifications

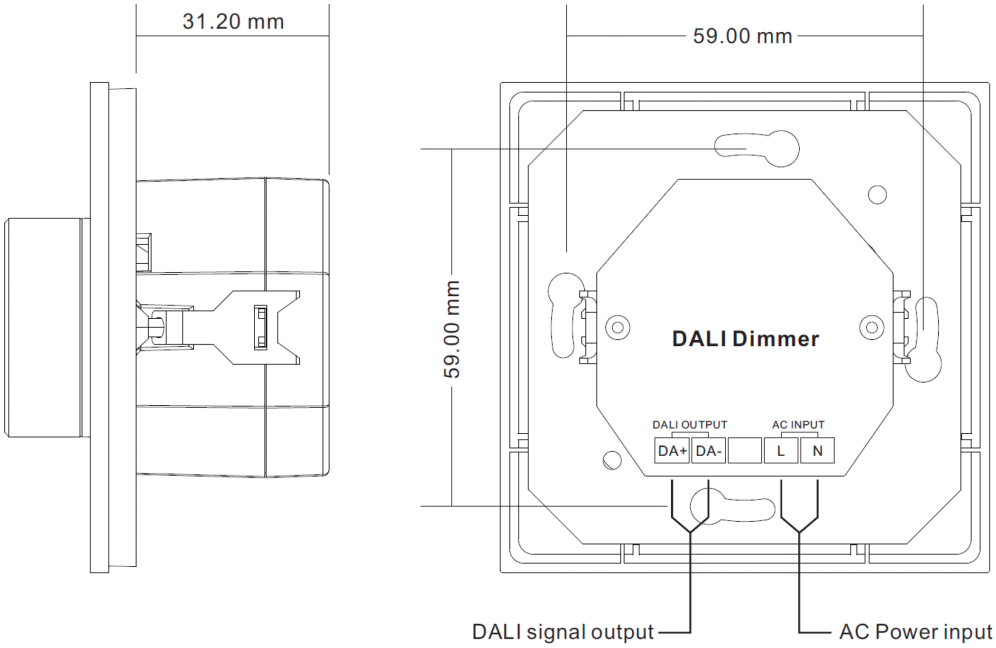
Designation	: DALI MCU
Power Connection	: L, N AC mains
Input Voltage	: 100V AC to 240V AC
Power Consumption	: 2.3W max.
DALI Connection	: DA+/DA-, max. 300m cable length, DALI power supply output current max 100mA
Perm. Cable Cross-section	: 0.5mm^2 to 1.5mm^2
Working Temperature	: 0°C to +50°C
IP Rating	: IP20
Protection Class	: II
Size	: 80mm × 80mm × 53mm

Safety & Warning

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

Mechanical Specifications





Operation

This device is a DALI MCU with built-in DALI bus power supply which can power DALI bus while connected with 100V AC to 240V AC mains. It also can be powered by DALI bus while not connected with AC mains.

There can be up to only 2 MCUs connect to AC 220V mains, the other MCUs powered by DALI bus.

Each control circuit simultaneously affords the integration of as many as 100 DALI ECG and of up to 4 DALI MCU control devices (control points).

- **Switch ON/OFF**

Click the rotary knob to switch ON/OFF light.

- **Increase/Decrease Light Intensity**

Rotate the knob clockwise to increase light intensity from 0% to 100%, rotate the knob counterclockwise to decrease light intensity from 100% to 0%.

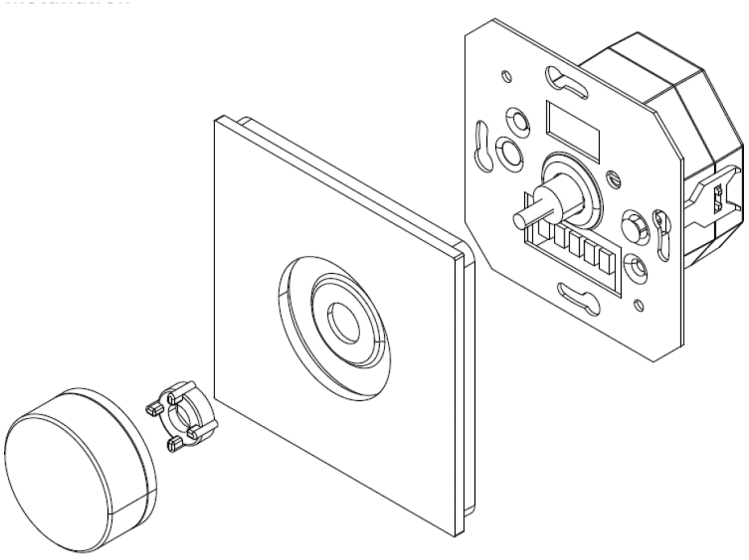
- **Set the minimum brightness value**

Press and hold down the knob over 5 seconds until the light flashes, to set the current brightness value as the minimum brightness value for dimming, it is dimmable from this minimum brightness value to 100%.

- **Delete the minimum brightness value setting**

Click the knob to switch off the light first, then press and hold down the knob over 5 seconds until the light flashes, the minimum brightness value will be deleted. It is dimmable from 1% to 100% then.

Connecting Diagram



Wiring diagram

Figure 1: Wiring scheme to control up to 50 DALI ECG

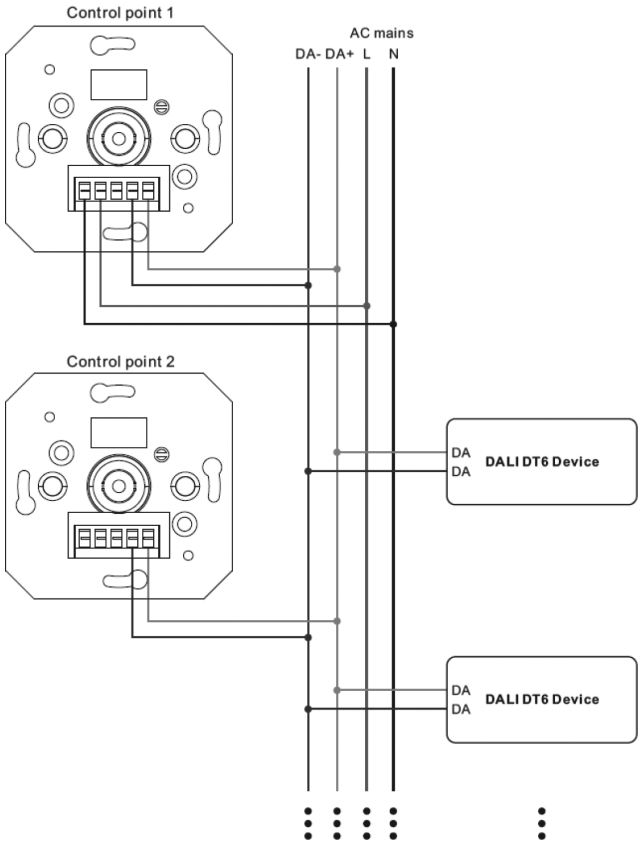
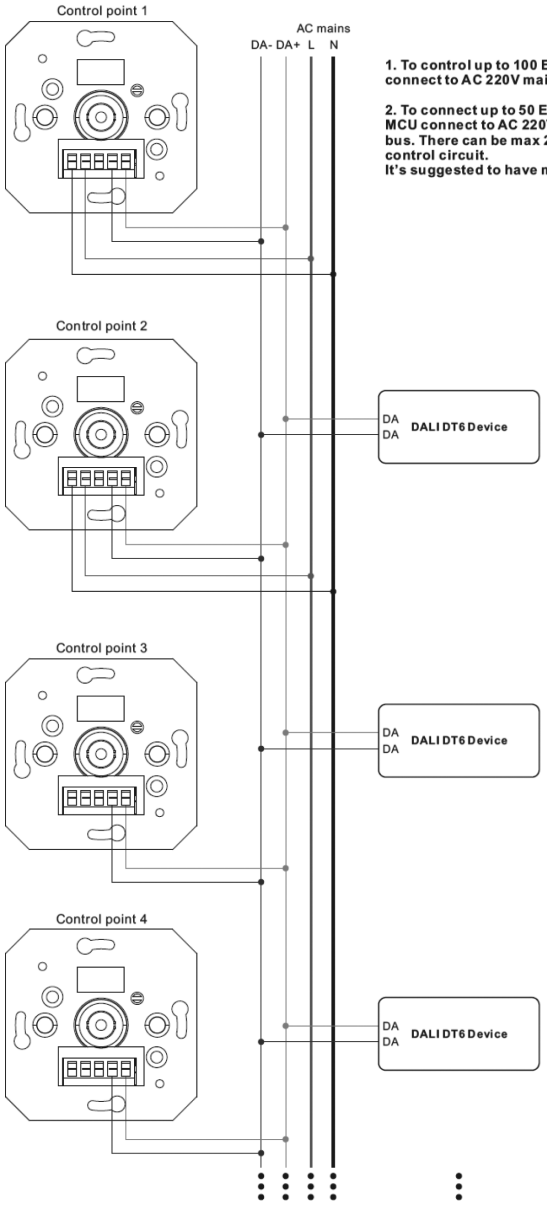


Figure 1: Wiring scheme with 2 MCUs powered by AC mains to control up to 100 DALI ECG



Dimensions : Millimetres

Part Number Table

Description	Part Number
Digital Rotary Dimmer, IP20	MP011879