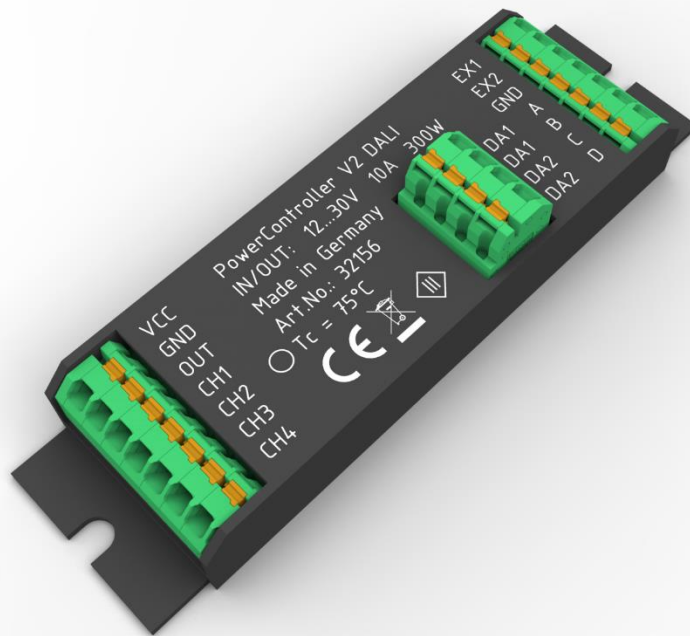


# PowerController V2 DALI 102



## ATTENTION

- Turn off input voltage before carrying out any installation, maintenance or modification works and secure the system against being inadvertently switched on again.
- Ensure that the wires are assembled professionally and properly and comply with the standard specifications of your country.
- The PowerController V2 shall be used only in professional lighting solutions.
- According to the standard EN61347-1 and EN61347-2-13, the used power supplies must comply to the norm conformity.
- This device is only made for the usage in a dry location.
- The output voltage given on the type label must not be exceeded.

Please find the complete datasheet and more information about the PowerController V2 on our website:

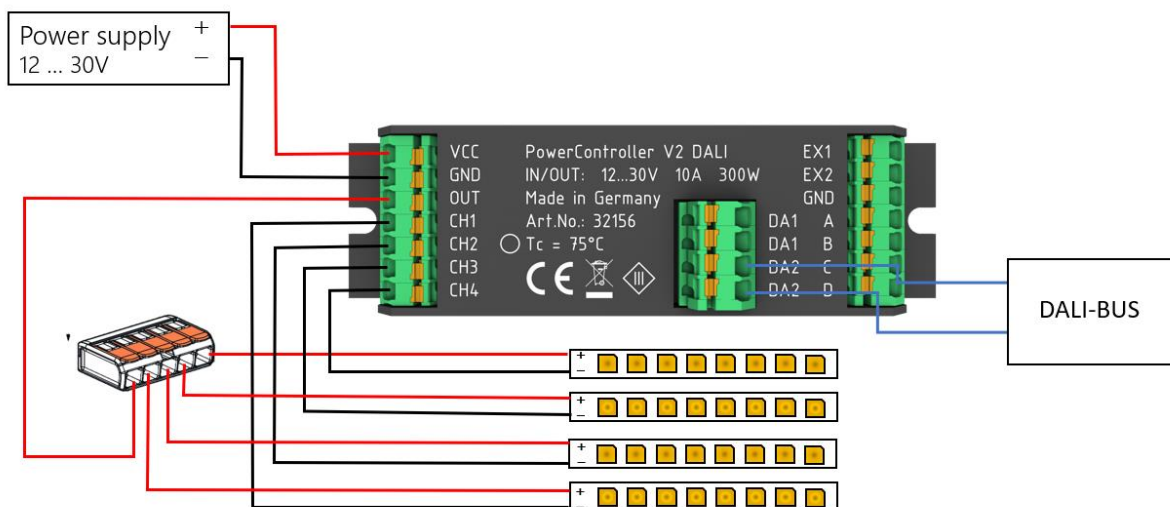
[www.lumitronix.com/en\\_gb/32118](http://www.lumitronix.com/en_gb/32118)

## Installation guide

Output devices: 4 x DALI 102 end devices (e.g. monochrome LED modules)

### Connection

Connect the two DALI inputs (DA2) on the PowerController to the DALI BUS line. The 4 outputs (CH1-CH4) are each connected to the negative lead of the monochrome modules, while the positive leads are routed to OUT via terminals (art.no. 33736 on [www.lumitronix.com/gb](http://www.lumitronix.com/gb)). The operating voltage is provided by GND and VCC.



### Functionality

After all components have been properly wired, power can be applied to the PowerController V2 and an addressing can then be carried out on the DALI-BUS. Depending on the software used, new DALI devices will appear which can then be individualized.

## SAFETY INSTRUCTIONS

The LED modules and all its components must not be mechanically stressed.

Avoid excessive stress e.g. by screws or strong bending.

When installing the module (including power supply) all relevant electrical and safety standards must be considered.

Make sure to apply ESD precautions when handling the modules.

- The components on the modules must not be mechanical stressed.
- The circuit paths on the modules must not be damaged or disrupted at any time.

Our modules do not contain any protection against overload, over temperature or short circuits unless otherwise noted. For safe and reliable operation of the modules an electrical stabilized power supply with built in protection must be used. When using a power supply that's not sold by us make sure that the following precautions are ensured by the power supply:

## MINIMUM REQUIREMENTS FOR POWER SUPPLIES

Short circuit protection ▪ overload protection ▪ over temperature protection

- The installation of LED modules (including power supply) has to be done by a certified electrician following all electrical and safety standards.

## IF YOU HAVE ANY QUESTIONS WE WOULD BE PLEASSED TO HELP

LUMITRONIX® is your partner in light emitting diodes, LED products and light measurement.



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