

Datasheet

# DALI Dimming Control Node

## DALI POWERED



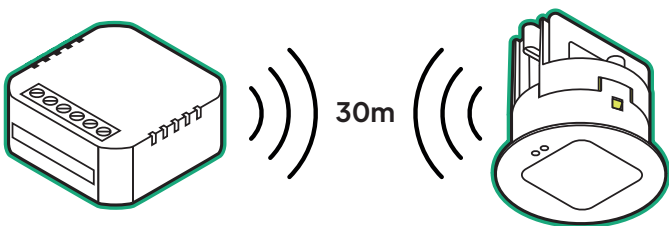
CN-DM-DALI

**Innovative lighting controls for industry professionals, by industry professionals.**

The dimming output device can be wirelessly connected to a sensor or switch input unit using our free Cucumber Lighting Controls app on either Android or iOS devices. Networking the devices is quick and easy using the app to set groups of detectors, switch interface units and output devices together, to provide tailor-made solutions.

- Saves on the wiring between devices, reducing installation time and associated costs
- Simple app options reducing time on-site for programming
- Individually configurable supporting switching, dimming and scene recall functions
- Compact housing for a wide range of applications
- Suitable for new, refurbishment and listed building projects

### Range between devices



Up to 30m wireless network range between devices

### Specifications

<b>Supply Voltage</b>	Via DALI PSU (9.5VDC to 22.5VDC)
<b>Parasitic Power Consumption</b>	15mA
<b>Max Cabling Length</b>	50m
<b>Circuit Protection</b>	≤10A MCB Type C
<b>Terminal Capacity</b>	0.5mm <sup>2</sup> to 1.5mm <sup>2</sup>
<b>Working Temperature</b>	-10 to +50°C
<b>Unit Weight</b>	0.02kg
<b>Material (Casing)</b>	ABS Dev962 UL 94 VO
<b>Compliance</b>	2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive 2014/53/EU Radio Equipment Directive 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive

### BLE (Bluetooth) Transceiver

<b>Protocol</b>	Bluetooth
<b>Operation frequency</b>	2.4 GHz
<b>Transmission Power</b>	10 dBm
<b>Control Node to Sensor Range</b>	30m



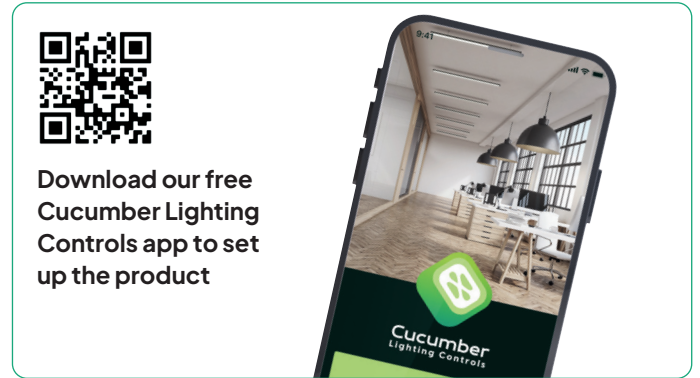
## Installation precautions:

- This device has been designed to be installed either in a (non-metallic) enclosure, or inside a luminaire. If luminaire is metal cased, please test thoroughly before proceeding with project, to ensure the BLE communications can be maintained between devices. If you need assistance / advice with testing, please contact us for further details.
- BLE networking ('meshing') between devices: Although BLE range between devices can be up to 30m in direct line of sight, this distance can be affected by other external factors such as building fabric / materials and 3rd party technology. Therefore we would normally recommend BLE devices to be mounted a maximum of 10m to 20m apart (or closer if possible). If further distance between devices is required, please contact us.
- If possible, please check on quality of mesh network between devices before proceeding with project.
- Please contact us for further design considerations if you are planning to mesh more than 50 BLE sensors and/or devices into the same network.
- If you have any queries with regards to above points please contact us for further details.

## Functionality and programming

The Control Node can be programmed using the Cucumber Lighting Controls app via Bluetooth on your smart device. Please use the QR code below to download our app on either iOS or Android to set up the product. Full functionality of the product can be programmed using the 'Network setup' menu.

Further information for using the 'Network setup' can be found on our website.



Product Code	Description
CN-DM-DALI	DALI Dimming Control Node - DALI Powered

This datasheet and/or contents is subject to change without notice. Please always refer to the current release on our website [www.cucumberlc.co.uk/resources](http://www.cucumberlc.co.uk/resources).

For our Standard Terms & Conditions and Guarantee Policies please refer to our website at [www.cucumberlc.co.uk](http://www.cucumberlc.co.uk).



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