



Product Datasheet

Wireless DALI/0-10V Controller

Model No: CNBT-2421



<https://www.cosmicnode.com>



Product description

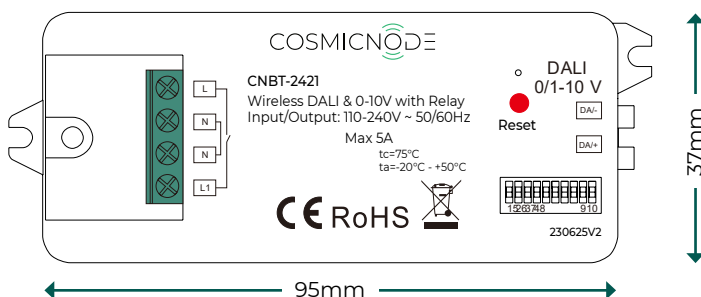
CNBT-2421 is Cosmicnode's new generation Wireless 0-10V and DALI Controller:

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Can control any LED driver with DALI dimming protocol. It supports DALI single channel (DT6) or DALI tunable white/multi color (DT8) LED drivers.
- Dimming and switching of a wide range of lights
- Low energy consumption by using the latest RF technology
- Up to 30% energy savings with light control
- Commissioning with Cosmincode App
- Connect to third-party back-office or Light Management system (LMS) via a Cosmicnode IoT Gateway

Product image



Technical drawings



Technical data

Control

Type	0-10V/DALI	
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Input

Power	V_{ac}	110-240
Signal	GHZ	2.4

Output DALI

DALI PS Current	mA	max 50
DALI Current consumption	mA	max 4

Output 01-10V

Current	mA	max 20
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Output, relay

Switching voltage	V_{ac}	110-240
Max Current	A	LED: 1.6

Environmental

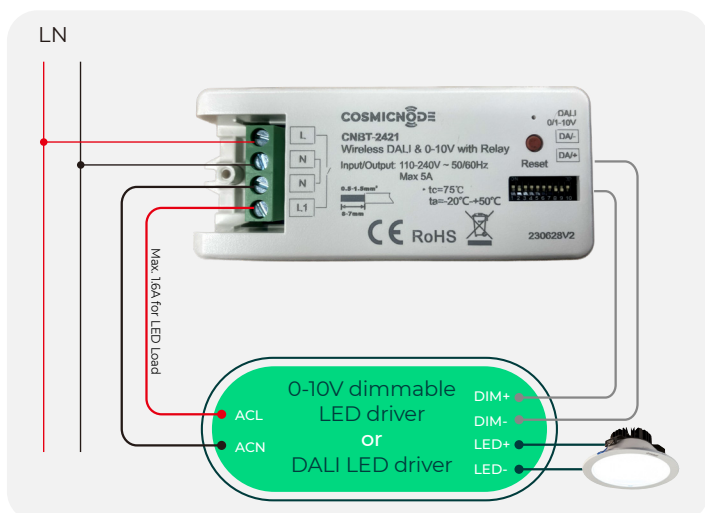
Operating temperature	°C	-20 to +50
Relative humidity	%	8 to 80

Other

Dimensions	mm(HxWxD)	95x37x20
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Wiring diagram & instructions

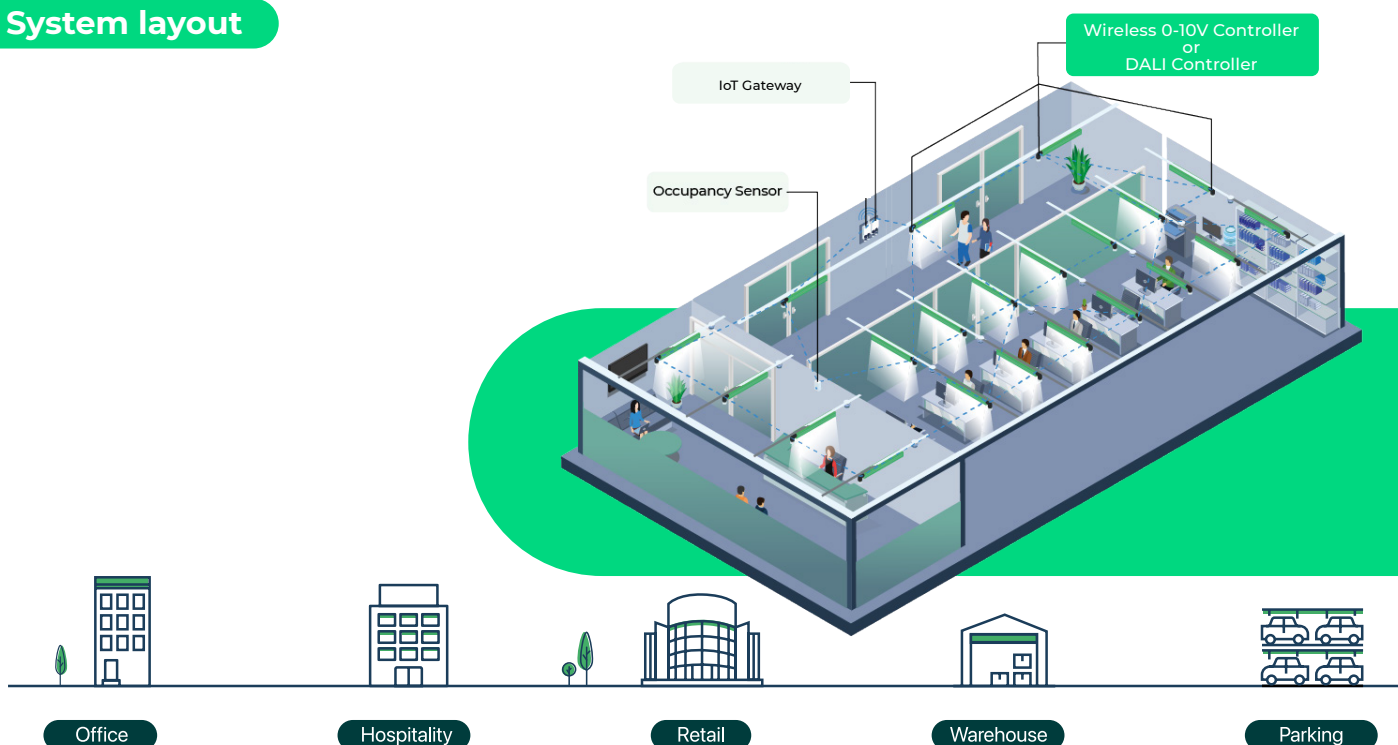


1. Turn off the power supply before carrying out any electrical installation work.
2. Connect wires according to the wiring diagram.
3. Insert the module into the junction box.
4. Turn on the power supply and follow dimmer module configuration instructions.

Device installation guidelines

- Installation must be carried out by a qualified electrician in accordance with local regulations.
- Keep the device out of reach of children.
- Keep the device away from water, damp or hot environment.
- Install the device away from strong signal sources such as microwave oven that may cause signal interruption resulted to abnormal operation of the device.
- Obstruction by concrete wall or metallic materials may reduce the effective operation range of the device and should be avoided.
- Do not attempt to disassemble, repair or modify the device.

System layout



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