



General notes and precautions.

- Please make sure that during the installation process, DEM.249 should not be supplied with electric power!
- DEM.249 is a Class I device and thus, it is mandatory to be connected to a protective ground.
- Designed for indoor use.
- Do not try to fix any damage or malfunction, by opening the DEM.249. The materials and parts used in the DEM.249 cannot be replaced. This must be done by an experienced technician of your supplier.
- When DEM.249 is installed inside metallic cases/boards, its range might be reduced.
- Make sure that the power supply must be secured with an external MCB.
- Disconnect the power supply for any service.

Connecting power supply and load.

DEM.249 must be disconnected from the mains before connecting or replacing any type of load.

DEM.249 can support up to 12 DALI drivers on its output.

Do not connect any DALI Power Supply together with DEM.249.

Dimming Profiles.

DEM.249 offers many dimming profiles such as Single channel, 4 channel, TW e.t.c. The user can easily select the appropriate profile according to the led drivers that will be connected to its output.

DEM.249 is a single channel Casambi to DALI gateway. The device is power supplied with 100-240VAC / 50Hz-60Hz and can control up to 12 DALI drivers.

DEM.249 can be controlled through Casambi's mobile application. It uses CASAMBI's Bluetooth module and thus, it can be easily integrated into existing Casambi networks.

The device has been designed for indoor use. It offers an IP40 protection against water & dust and with its case it can be easily fastened almost on any surface.

Bluetooth pairing.

DEM.249 can be paired and controlled from your Bluetooth device through Casambi app, which is available in "Play Store" and "Apple Store" for free. Once you have downloaded the Casambi app, you need to:

- Enable the Bluetooth connections at your device.
- Open the application and go to "My networks".
- Select the option "Create a new network".
- Type a name for your network and any other preference that is required and press "Save".

You have successfully created your own network!

- Select "Show nearby devices" to add DEM.249 to your network. DEM.249 should be power supplied, in order for it to be visible at your Bluetooth device.
- Select "DEM.249" from the available devices for completing the Bluetooth pairing between your device and DEM.249.

The device is finally ready for use. You can now control DEM.249 from your Bluetooth device!

- With a single "tap" on the device you can either switch the output "on" or "off".

Casambi app offers a lot of options such as creating Scenes, Selecting new name for the device, Dimming range etc.

The scene editing can be adjusted from this page under the section "Scenes", while the other settings can be accessed by double "tapping" on the device.

Note that you can add up to 250 DEM.249 devices into a single evolution network (127 with Classic networks) or less if you are already using some other Casambi devices in the same network.

For more information about the network settings and the Casambi app in general contact with ELECTRON S.A. or visit Casambi's web site.

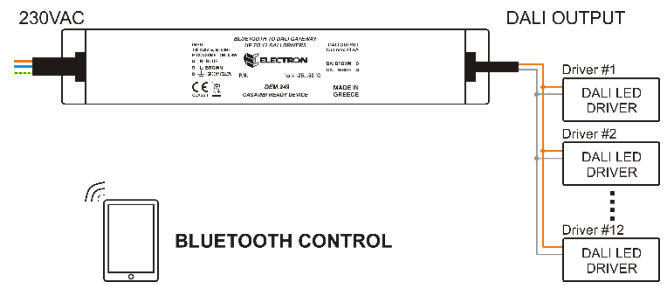
Technical specifications.

| | |
|--|-------------------------------|
| Output channel. | 1. |
| Power supply. | 100-240VAC / 50-60Hz. |
| Maximum output current. | 24mA. |
| DALI output. | Up to 12 DALI drivers. |
| Wireless Control. | Bluetooth (Casambi Ready). |
| Wireless range between DEM.249 & Control device (Smartphone / Tablet). | More than 30m. ¹ |
| Wireless range between DEM.249 devices in a Casambi mesh network. | More than 150m. ¹ |
| Output Control. | DALI. |
| Power supply cable. | 3x 0.75mm ² . |
| Output cable. | 2x 0.5mm ² . |
| Device Ingress protection. | IP40. |
| Power consumption. (Max. load @ 100%). | 0.9W. |
| Class. | Class I. |
| Ambient temperature. | -20°C / +50°C. |
| Dimensions (LxWxH). | 200mm x 35mm x 27mm. |
| Standards in compliance. | LVD Directive, EMC Directive. |

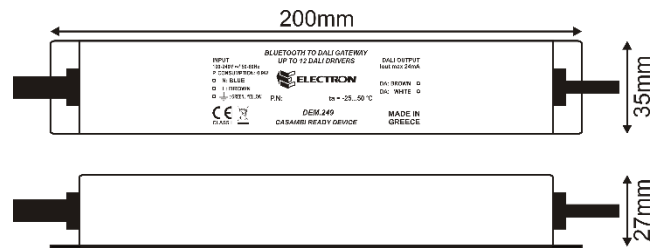
¹Range is highly depended on the surrounding and obstacles, such as walls and building materials.

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Connection diagram.



Dimensions.



At the end of its lifetime DEM.249 must be delivered in a special waste collection center. The improper disposal can cause damages for the environment and poses dangers for the human health.