



SITECO Connect 210

Controller 5LZ904712A Manual

Content

1. Description	1
2. Hardware	1
3. Scheme	2
4. Dimensions	2
5. Tender Text	3
6. Contact Person	4

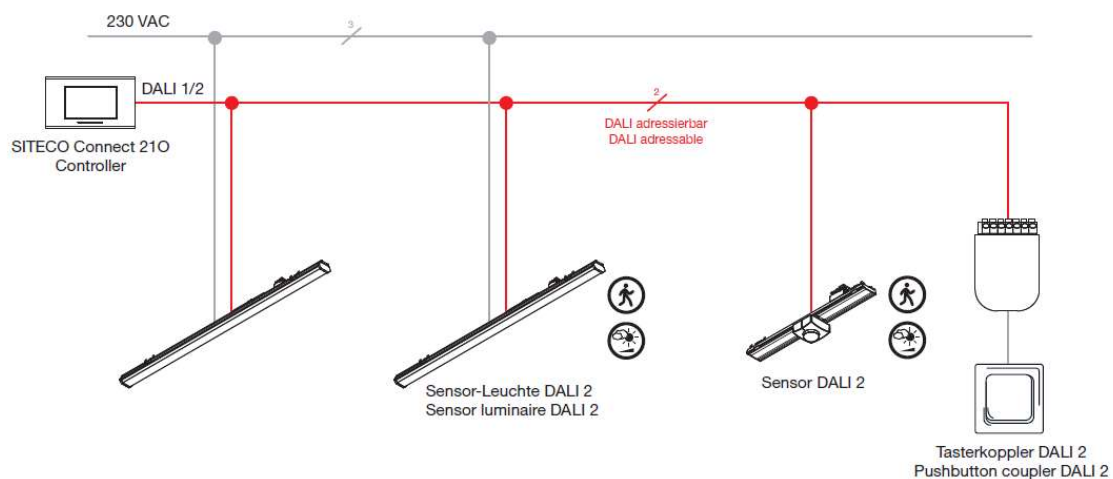
1. Description

SITECO Connect 21O offers a complete package for controlling and programming lighting systems: The addressing of Dali-2 lights and sensors is fully included and possible during operation. The controller has 2 DALI lines. Parameterization is carried out using commissioning software. Additional packages (e.g. for monitoring & analytics) can be booked optionally.

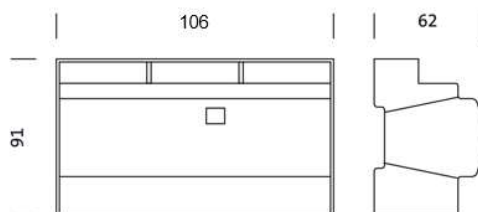
2. Hardware

- Housing made of flame-retardant polycarbonate halogen-free
- IP rating IP20, protection class II
- mains: 220...240VAC, 50/60 Hz
- ambient temperature range: 0...40°C
- DIN rail mounting, 6 TE
- quantity of DALI lines: 2
- integrated DALI power supply: yes
- DALI2 certified: yes
- multiple controllers can be networked: yes
- Slot for USB WiFi dongle

3. Scheme



4. Dimensions



5. Tender Text

DALI 2 certified and IoT-enabled lighting controller with an integrated IoT gateway for remote data access, suitable for creating lighting scenes, lighting profiles and configuring energy saving applications according to EN 15232.

2 DALI lines for connection of up to 128 DALI devices and integrated DALI power supply according to EN/IEC 62386. Possibility to interconnect up to 8 controllers via Ethernet network to control up to 1024 DALI addresses. Connection of DALI-2 sensors as well as input devices via the DALI line for easy, cost-saving installation. For applications with up to 2x 64 lighting groups and up to 2x 16 scenes per lighting group. Suitable for DT-6 and DT8 devices for RGB and Tunable White applications.

The controller is able to process data according to DALI Part 251- Luminaire Data, DALI Part 252 - Energy Reporting, DALI Part 253- Diagnostics & Maintenance. Automatic function and duration test and report functions of DALI- 2 emergency lighting ballasts (DT1, part 202 according to IEC 62386). Reporting of failures in the lighting installation, such as driver and light source failure, as well as problems in the DALI communication. Possibility to send out email notifications of failures in the general or emergency lighting system (requires Internet connection).

LED area with buttons for construction site mode to verify correct luminaire DALI installation without connected wall switches / input devices. Battery buffer in case of power interruption.

Easy to use, WEB browser accessible, integrated commissioning interface with function templates for simple applications. MS Windows® based PC software for creating complex control and operation concepts. Remote access for configuration changes from any location and automated firmware updates (requires internet connection).

REST and MQTT API for enabling of cloud applications. Integrated real-time clock for timed events. Possibility to integrate into KNX building management systems through an optional interface.

Weekly scheduler to use up to 50 different event times. Automatic changeover summer / winter time. Simple, DALI device search with automatic addressing. Flexible combination of functions of DALI ECGs, sensors and control elements across both DALI lines. Daylight-dependent light control with up to 10 light sensors per control group. Freely configurable daylight simulations HCL (brightness and color temperature). Fully automatic creation of a detailed HTML system report with display of the complete configuration including all used devices, parameters and functions. Smartphone app with preset control element for: switching and dimming individual groups, for calling up static lighting scenes and dynamic lighting sequences with coloured light (RGB+W) and for tunable white applications. Possibility to group elements into individual views and to restrict the access with individual release of each control element per user and password request.

Configuration software:

- Simple commissioning on the PC screen via DALI Professional configuration software with Windows interface and flashing sequence.
- Flexible assignment of functions of DALI ECGs, sensors and control elements across all 2 DALI lines.
- With component display in the unit tree and interactive scene preview.
- Daylight-dependent light control with up to 10 light sensors per control group.
- Static light scenes can be called up via presence sensors or operating elements (standard installation push-button, smartphone app).
- Configuration of time-controlled light sequences for corridor function
- Sequence controls and sequences formed from individual scenes.
- Single-button operation for multiple scenes.
- Serial / parallel configuration of grouped switches.
- Configuration comparison with available devices.
- Fully automatic creation of a detailed HTML system report with display of the complete configuration including all devices, parameters and functions used.
- Test function for checking all individual units used with PC software during operation.
- Display resource status.
- Adjustable RGB effect sequencer
- Adjustable daylight simulation (brightness and colour temperature)

Smartphone app functionalities:

- Switching and dimming with status display
- Grouping into rooms possible
- Access restriction with individual release of each control element per user and password query
- Calling up static lighting scenes and dynamic sequences
- Control element for coloured light (RGB)
- Control element for changing the colour temperature (TW)

6. Contact Person

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