

# DOMIQ/Light

**DOMIQ/Light** allows control of lighting installations based on the DALI protocol. According to the DALI standard up to 64 DALI balast can be connected to a DALI controller (i.e. **DOMIQ/Light**). Module provides full bi-directional communication (brightness level update, failure notifications, etc.). It is designed to be installed in the installation closet on a 35mm DIN rail. Due to the length of the standard ribbon cable, the module should be mounted on the right side of the **Base** module. Before installation on a DIN rail please push lock on the bottom of the module. Module width is 4T.

## Connections

**DOMIQ/Light** has built-in 230V AC power supply. Power supply has galvanic isolation.

Please connect wires in the following order:

- **D+**, **D-** DALI bus cables.
- **IN** connector – ribbon cable connecting module with the **EXT** connector of **Base** module or with the **OUT** connector of other **DOMIQ** extension module. Before connecting turn **Base** and **Light** modules off.
- **N** neutral wire
- **L** phase wire, 230V 50Hz

DALI bus topology should be linear or star.

**NOTICE:** Maximum length of DALI bus is **300m**. Proper wiring sizes should also be strictly adhered.

**In case of exceeding the maximum length and/or using wrong size of wires, installation may not work properly or not work at all.**



DALI bus cable length	Recommended minimum DALI cable size
do 100m	0,5mm <sup>2</sup>
100 – 150m	0,75mm <sup>2</sup>
150 – 300m	1,5mm <sup>2</sup>

Due to the possibility of future extension of the installation, we recommend using 1,5mm<sup>2</sup> wiring.

## Signaling

On the lower part of the module set of 4 LEDs is installed: **ACT** (blue), **ERR** (red), **TX** (yellow), **RX** (green). Correct module operating is indicated by **ACT** LED blinking with frequency of 1Hz.

After running the module in addition to the ACT LED also TX LED blinks. **TX** blinks when data is transmitted to DALI bus. **RX** blinks when data is correctly received.

Communication errors are indicated by **ERR** LED.

## Configuration

Configuration is done using configuration interface built in **DOMIQ/Base** module (the **DALI** tab).

The screenshot displays the configuration interface for the DOMIQ/Base module. It features a main table with columns for Remote, Display, State, Events, Timers, Logic, Links, MODBUS, BACnet, DALI, Resources, Settings, Users, and Status. The table contains one row of data for EVG 1.

On the right side, there are three control panels:

- All EVGs Control:** Includes 'Random Addressing' (All, Unassigned) and 'Interface control' (All On, All Off, Up, Down, Enter value..., Set).
- Single EVG Control:** Includes 'Control' (On, Off, Up, Down, Enter value..., Set) and 'Addressing' (Set, Delete).
- Scene management table:** A table with columns for Scene no., Value, Save scene, Load scene, and Group assignment. It lists 16 scenes (0-15) with their respective values and group assignments.

A 'Refresh' button is located at the bottom right of the interface.

Detailed description of the configuration and control can be found in the „**DOMIQ/Base Configuration Manual**”.