コ Lunatone

DALI Sequencer

Datasheet

Control Module

DALI-control unit for automatic
retrieval of sequences

Art. Nr. 86459582 (back box)
Art.Nr. 86459582-HS (dinrail)

DALI Sequencer Control Device

Overview

- DALI control unit for automatic retrieval of sequences

- memory for up to 4 sequences

- types for back box and dinrail mounting

- din rail type provides 4 switching inputs for mains voltage

- Sequences (0-3) are started by recalling the corresponding scene or push the corresponding button (dinrail type only)

- A sequence can combine various command-sequences and scene-recalls

- One command-sequence can consist of up to 19 DALI-commands

- the Sequence can be retrieved single or cyclic

- the DALI Sequencer can be assigned to groups and can react to broadcast commands

- configuration via DALI-Cockpit software.

- multimaster capable, several modules can be installed in one DALI circuit

- the module is supplied by the DALI-line

Specification, Characteristics

type	DALI Sequencer	
article number	89453862	89453862-HS

electrical data:

supply	via DALI-line	
typ. current consumption DALI	2 mA	
control	DALI	
input	DALI	DALI 4 switching inputs (mains voltage)
galvanic isolation	-	Yes (switching inputs / DALI)

Technical data:

function	programmable	
ambient temperature	-10°C to +50°C	
protection class	IP20	
connecting wire cross section	<1.5 mm^2	<2.5 mm^2
mounting	back box	dinrail, 1TE
dimensions	58mm x 32mm x 15mm	98mm x 18mm x 56mm

33,1 mm

39,7 mm

DALI

DALI SEQUENCER

Lunatone
Art.-Nr.: 86459582 CE

28,0 mm

14,2 mm
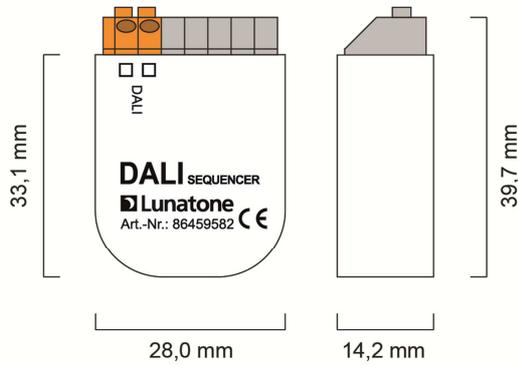
geometry back box
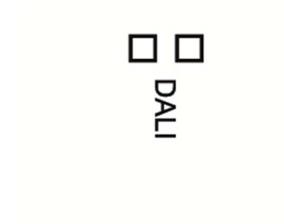
DALI

connection plan back box

65,8mm

44,8mm

35,4mm

90mm

98mm

DALI Sequencer

L1 L2 L3

L4 N

34mm

50,4mm

56,4mm

17,5mm

geometry din rail

DA   DA

L1   L2   L3

L4   N
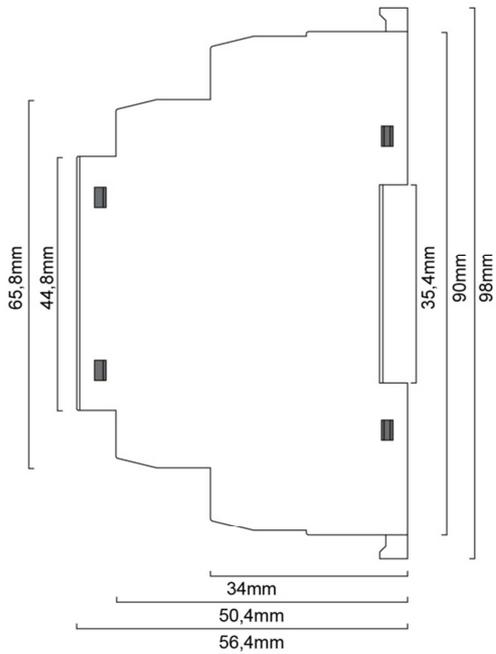
connection plan din rail
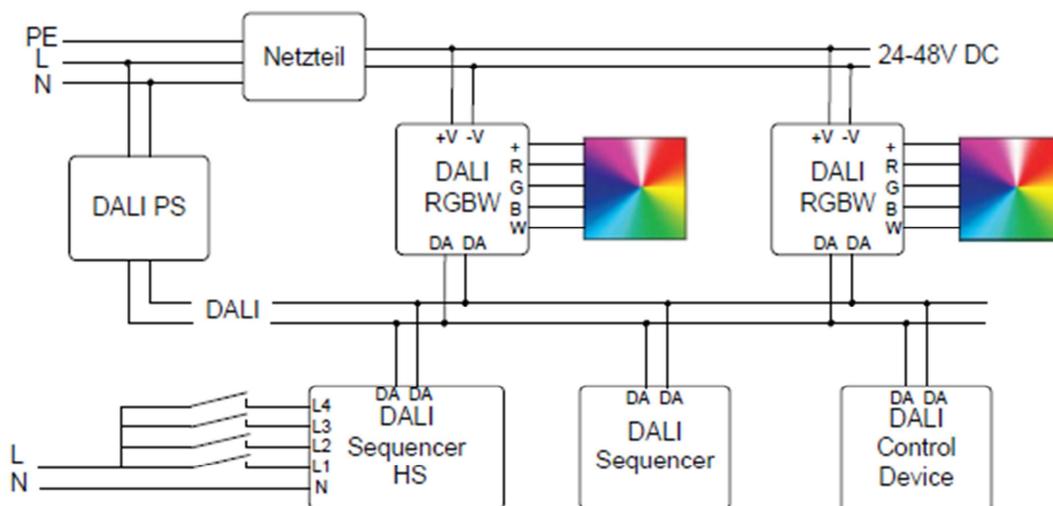
typical application: colour changing ambient lighting

Installation

The sequencer-module is connected directly to the DALI-line. It is supplied by the DALI-line directly and does not need any additional power supply (current consumption typically 2mA).. The connection to the DALI-line is polarity free and protected against over-voltage.

The module for back box mounting fits into a standard installation box, the module for dinrail mounting provides 4 switching inputs for mains voltage and a LED, which indicates a running sequence by blinking.

Function and Configuration

The DALI Sequencer can send DALI command-sequences once or cyclic to the DALI-bus. The sequences can be configured with the DALI Cockpit Software and transferred to the module.

The module is able to memorize 4 sequences (sequence 0 -sequence 3), but only one of them can be active at a given moment. To start one of the saved sequences a DALI-address has to be assigened to the module with the DALI Cockpit Software. Afterwards the sequence can be recalled with

GO TO SCENE commands directed to the modules address.

Sequence	command
0	GOTO SCENE 0
1	GOTO SCENE 1
2	GOTO SCENE 2
3	GOTO SCENE 3

Running sequences will be stopped if either an OFF-command is sent to the modules address or a new sequence is started with the GO TO scene-command.

The DALI Sequencer-module can be assigned to groups. Sequences can be stopped with an OFF-command directed to the assigned groups or broadcast.

Following commands are OFF-commands: OFF, Direct Arc Power, GOTO SCENE X, RECALL MIN und RECALL MAX.

When using the dinrail type the sequences can be started as well by pressing the corresponding input button.

Sequences

The DALI Cockpit supports 2 types of generating sequences. On the one hand predefined macros "Dynamic Scenes" on the other hand user defined command lists can be used.

Predefined Macro „Dynamic Scenes"

When using the „Dynamic Scenes"-macros the effective range and the order of up to 16 scenes can be defined For each scene recall the fade time and the delay (0…254s) to next scene recall can be configured.
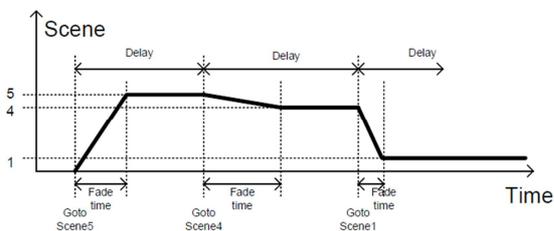
For example a sequence for automatic color changing could look like as follows [1]:

User Defined Macros

To generate macros, load or safe them as files with the extension *.cot use following menu-point in the DALI-Cockpit Software:

DALI-Bus -> DALI-commands-> „commands over time".

As an example: the scenes 0-3 addressed with A00 and A01 are retrieved with 1min delay each.

Saved files can be imported on the DALI Sequencer configuration-page:

A user defined sequence can include up to 19 DALI-commands.

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[1] please note that the correct color values are already saved in the scenes of the RGBW-ballast.

Additional Information and Equipment

DALI-Cockpit – free configuration tool from Lunatone for DALI systems
http://lunatone.at/en/downloads/Lunatone_DALI-Cockpit.zip

Lunatone DALI products
http://www.lunatone.at/en/

Lunatone datasheets and manuals
http://lunatone.at/en/downloads/

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com

Disclaimer

Subject to change. Information provided without guarantee.
The datasheet refers to the current delivery.

The compatibility with other devices must be tested in advance to the installation.