Lunatone

DALI Sequencer

Datasheet

Control Device

DALI-control unit for automatic
retrieval of sequences

Art. Nr. 86459582 (back box)
Art.Nr. 86459582-HS (DIN rail)

DALI Sequencer Control Device

Overview

- DALI control unit for automatic retrieval of sequences

- memory for up to 4 sequences

- types for back box and DIN rail 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 (DIN rail 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.

- multi-master 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	86459582	86459582-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:

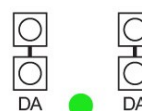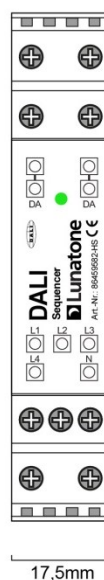| function	programmable	
storing and transportation temperature	-20°C … +75°C	
operational ambient temperature	-20°C … +75°C	
protection class	IP20	
connecting wire cross section	<1.5 mm^2	<2.5 mm^2
mounting	back box	DIN rail, 1TE
dimensions	39,7mm x 28mm x 14mm	98mm x 17.5mm x 56mm

connection plan back box
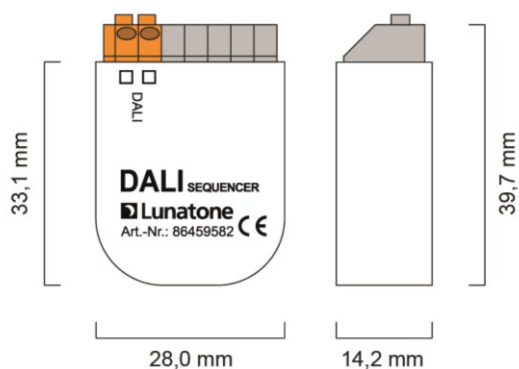
geometry back box
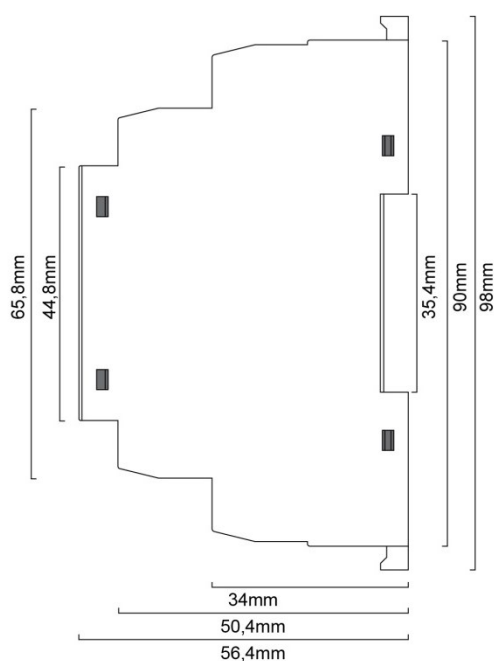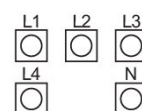
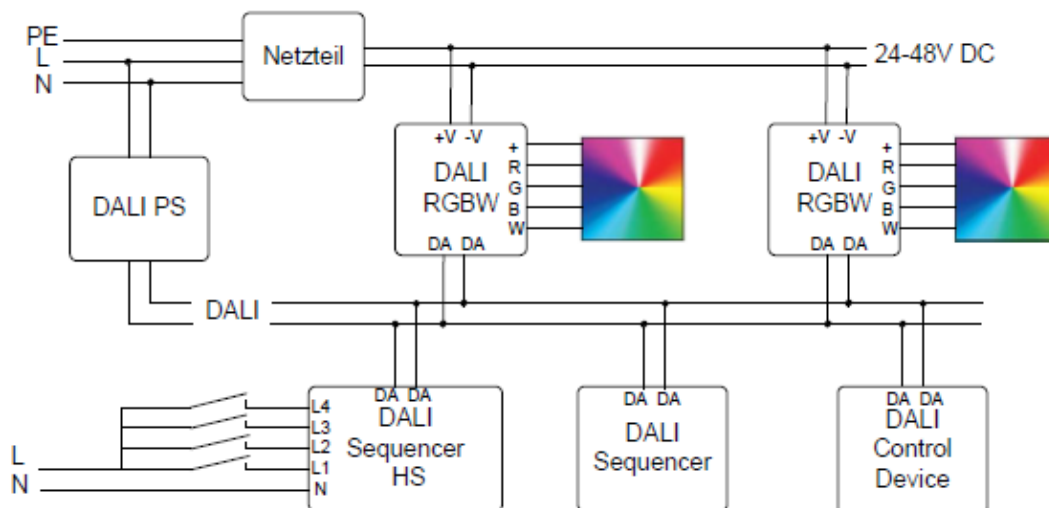
connection plan DIN rail

geometry 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 DIN rail 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.

Up to 4 sequences (sequence 0 - sequence 3) can be stored in the sequencer. Only one sequence can be active at a time.

The sequencer starts when a scene recall "0-3" is broadcasted on the DALI bus:

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

With the DALI Cockpit Software it is also possible to assign a DALI address as well as DALI groups to the DALI Sequencer. Afterwards a sequence can be started by a GOTO SCENE command to the assigned address / group.

A running sequence will be stopped if:
- an OFF-command is broadcasted,
- an OFF-command is sent to the assigned address/group,
- another sequence is started with a GOTO SCENE command.

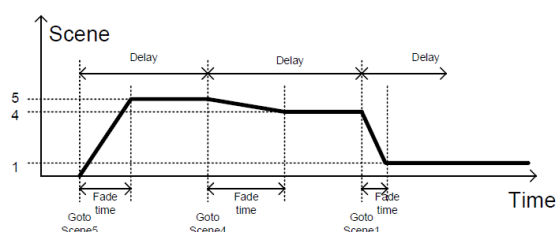Following commands are OFF-commands: OFF, Direct Arc Power, GOTO SCENE X, RECALL MIN und RECALL MAX.

When using the DIN rail type the sequences can also be started 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 colour 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. So, in total, 4 sequences with up to 19 DALI commands each, are possible.

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

Purchase Information

Art.Nr. 86459582:
DALI Sequencer,
DALI control unit for command sequences,
back box module

Art.Nr. 86459582-HS:
DALI Sequencer DIN rail,
DALI-control unit for command sequences,
DIN rail module

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.