

## DALI-2 MC2L PS

### Datasheet Multi Control Device



DALI-2 control module with  
two programmable switching  
inputs for mains voltage  
and integrated  
DALI power supply (50mA)

Art. Nr. 86458507-2L-PS  
GTIN 9010342014093  
factory default: **App-Controller activated**

# DALI-2 MC2L PS Control Device

## Overview

- DALI-2 control module with 2 switching inputs for mains voltage
- Integrated DALI Bus power supply (50mA)
- galvanic isolation between switching input and DALI-line
- Multi-master capable
- Different DALI commands, destination addresses and switching modes can be assigned to each input
- Integrated DALI-2 application controller
- In addition to the standard DALI commands, the application controller also supports DALI DT8 TC and RGB (W) control
- Two DALI-2 pushbutton instances are available for an easy integration
- short button press, long button press (with repetition for dimming) and «toggle» are supported
- Suitable for push-buttons, as well as switches
- Alternative button function: A second function can be assigned to each input. Activated / deactivated via a scene command. Thus, Offering an easy solution to the partition wall problem.
- With the application controller Sequences, macros and other functions can be realised.
- Easy configuration via Lunatone DALI USB interface and DALI-Cockpit Software Tool (suitable interface modules: [DALI-2 USB](#); [DALI USB](#), [DALI-2 WLAN](#), [DALI-2 Display](#), [DALI-2 IoT](#), [DALI 4Net](#), [DALI SCI RS232](#)).
- Easy installation: the device can be installed in a flush-mounted installation box and is supplied via the DALI bus
- DALI-2 control unit according to IEC62386-103



## Specification, Characteristics

|                |                       |
|----------------|-----------------------|
| <b>type</b>    | <b>DALI-2 MC2L PS</b> |
| article number | 86458507-2L-PS        |
| GTIN           | 9010342014093         |

### **DALI interface, power supply: DA+, DA-**

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| output type               | DALI, DALI-2, Multi Master, power supply                           |
| terminal markings         | DA+, DA-                                                           |
| voltage range             | 12V ... 20,5Vdc according to IEC62386                              |
| guaranteed output current | 50 mA                                                              |
| max. output current       | 250 mA<br>(an additional external DALI bus supply is not possible) |
| DALI addresses            | none                                                               |
| DALI-2 addresses          | 1                                                                  |

### **input: L, N**

|                           |                                |
|---------------------------|--------------------------------|
| input type                | supply, mains- voltage         |
| marking terminals         | L, N                           |
| input voltage range       | 120Vac ... 240Vac              |
| max. input supply current | 20mA (@120Vac), 10mA (@240Vac) |
| input supply frequency    | 50Hz / 60Hz                    |
| max. power consumption    | 3W (bus load dependent)        |

### **switching input: LT1, LT2**

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Input type                            | switching input                                                                  |
| number of inputs                      | 2                                                                                |
| marking input terminals               | LT1, LT2                                                                         |
| input voltage range                   | 230Vac +10% / -15%                                                               |
| frequency of a.c. voltage             | 50Hz ... 60Hz                                                                    |
| control impulse length min.           | 40ms                                                                             |
| control impulse length for long press | >500ms                                                                           |
| input resistance                      | 175kΩ                                                                            |
| wire length max.                      | 10m (up to 50m in an interference-free environment i.e. no parallel power lines) |
| max. voltage between inputs           | 230Vac                                                                           |

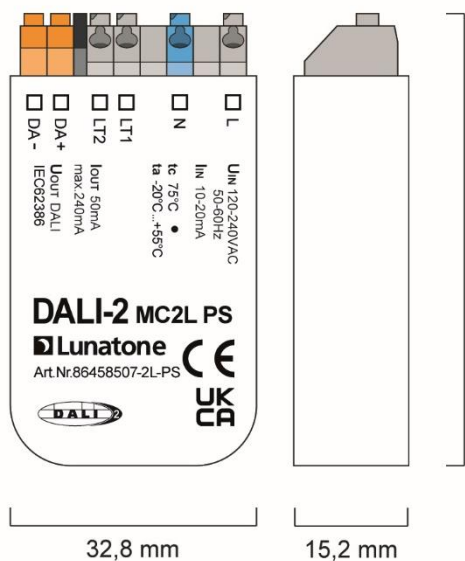
### **insulation data**

|                                      |                      |
|--------------------------------------|----------------------|
| impulse voltage category             | II                   |
| pollution degree                     | 2                    |
| rated insulation voltage             | 250V                 |
| rated impulse withstanding voltage   | 4kV                  |
| insulation DALI / mains              | reinforced isolation |
| insulation test voltage DALI / mains | 3000Vac              |

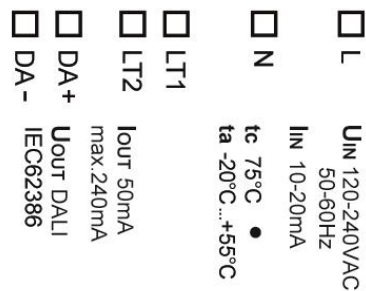
### **environmental conditions**

|                                        |                 |
|----------------------------------------|-----------------|
| storing and transportation temperature | -20°C ... +75°C |
| operational ambient temperature        | -20°C ... +55°C |

|                                   |                                                                      |
|-----------------------------------|----------------------------------------------------------------------|
| rel. humidity, not condensing     | 15% ... 90%                                                          |
| <b>general data</b>               |                                                                      |
| dimensions (l x w x h)            | 59mm x 33mm x 15mm                                                   |
| mounting                          | back box installation<br>installation in protection class II devices |
| rated maximum temperature tc      | 75°C                                                                 |
| expected life time                | 100.000h                                                             |
| protection class                  | II (when used/installed as intended)                                 |
| protection degree housing         | IP40                                                                 |
| protection degree terminals       | IP20                                                                 |
| <b>terminals</b>                  |                                                                      |
| connection type                   | spring terminal connectors                                           |
| wire size: solid core             | 0,5 ... 1,5 mm <sup>2</sup> (AWG20 ... AWG16)                        |
| wire size: fine wired             | 0,5 ... 1,5 mm <sup>2</sup> (AWG20 ...AWG16)                         |
| wire size: using wire end ferrule | 0,25 ... 1 mm <sup>2</sup>                                           |
| stripping length                  | 8,5 ... 9,5 mm / 0,33 ... 0,37 inch                                  |
| tightening/ release of wire       | push mechanism                                                       |
| <b>standards</b>                  |                                                                      |
| DALI                              | IEC62386-101:2014<br>IEC62386-103:2014                               |
| EMV                               | EN 61547<br>EN 50015 / IEC CISPR15                                   |
| safety                            | EN 61347-2-11<br>EN 61347-1                                          |
| Markings                          | DALI-2, CE, UKCA                                                     |



dimensions DALI-2 MC2L PS



connectors DALI-2 MC2L PS

## Factory Default Settings

A basic configuration is already implemented on delivery (factory default setting). If necessary, this can be changed and adapted.

|                            | input LT1                                                           | input LT2                                                                  |
|----------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------|
| application controller     | active                                                              |                                                                            |
| instances – event messages | inactive                                                            | inactive                                                                   |
| effective range            | Broadcast                                                           | Group 0                                                                    |
| button function            | BF6:<br>short press: toggle CmdX/CmdY<br>long press: toggle UP/DOWN | BF13:<br>short press: toggle CmdX/CmdY<br>long press: toggle COLDER/WARMER |
| command X (CmdX)           | RECALL MAX                                                          | None                                                                       |
| command Y (CmdY)           | OFF                                                                 | None                                                                       |
| command on power up        | none                                                                | none                                                                       |

## Typical Application

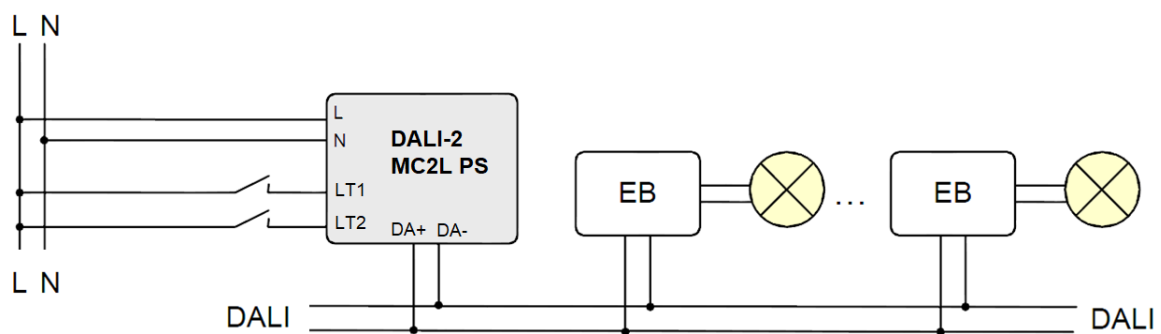


Figure 1 Typical Application, wiring diagram

## Installation

- The DALI-2 MC2L PS can be installed in a flush-mounted installation box
- The DALI-2 MC2L PS has an integrated DALI bus power supply (50mA). No additional DALI bus power supply may be connected. If additional ballasts are required on the DALI bus, a [DALI-2 Expander](#) (Art. No. 89452937) can be used.
- The polarity of the output voltage is marked on the housing (DA+, DA-)
- connect power supply terminals L and N to mains voltage according to the labelling.
- Switching inputs are intended for use with line voltage, they are galvanically separated from the DALI-line
- The wiring should be carried out as a permanent installation in a dry and clean environment.
- Installation may only be carried out in a voltage-free state of the system and by qualified specialists.

- National regulations for setting up electrical systems must be followed.
- The DALI wiring can be realised with standard low-voltage installation material. No special cables are required.
- Only 1 wire may be connected to each terminal. When using double wire end ferrules, the connection capacity of the terminal must be considered.
- The DALI line may be routed together with the mains voltage (in one cable or as single wires in a tube)



**Attention:** The DALI-signal is not classified as SELV circuit (Safety Extra Low Voltage). Therefore, the installation regulations for low voltage apply.



The voltage drop on the DALI line must not exceed 2V at maximum length (300m) and maximum bus load (250mA).

## Addressing and Configuration

- After installation, the device can already be used with the default factory settings. A description of the factory default settings can be found on page 5.
- Addressing and changes to the factory settings, such as setting the effective range and functions, are possible with the [DALI Cockpit Software](#) (Windows PC).
- When using the [DALI Cockpit Software](#), the PC must be connected to the DALI bus via a suitable interface module ([DALI-2 USB](#); [DALI USB](#), [DALI-2 WLAN](#), [DALI-2 Display](#), [DALI-2 IoT](#), [DALI 4Net](#), [DALI SCI RS232](#)). The DALI-2 MC2L PS is automatically recognised by the DALI Cockpit during the addressing process and listed in the device overview. Effective range and desired functions can then be assigned to each input.
- The addressing is done according to the DALI-2 specification and the device receives a corresponding address.
- For localisation a buzzer is integrated in each DALI-2 MC2L PS device. Alternatively, the allocation can also be done via the serial number of the device.
- Physical selection: At the end of the addressing process, by double-clicking the physical button, the DALI Cockpit identifies and adds the input connections (LT1, LT2 respectively) to the device list.

## Operation and function

The DALI-2 MC2L PS is a universal module to control DALI-compatible lights. The function of each push button input can be set individually.

As with other Lunatone control devices, the settings can be made with the DALI Cockpit Software tool.

**It is necessary to distinguish between application controller and DALI-2 instances.**

**The application controller** gives direct DALI control commands that are immediately executed by the DALI drivers. Configuration of the application is described in the section “Application Controller: Configuration of inputs (LT1, LT2” on page 8

**The DALI-2 instances** generate event messages that are interpreted and processed by higher-level control units (WAGO, Beckhoff, ...).

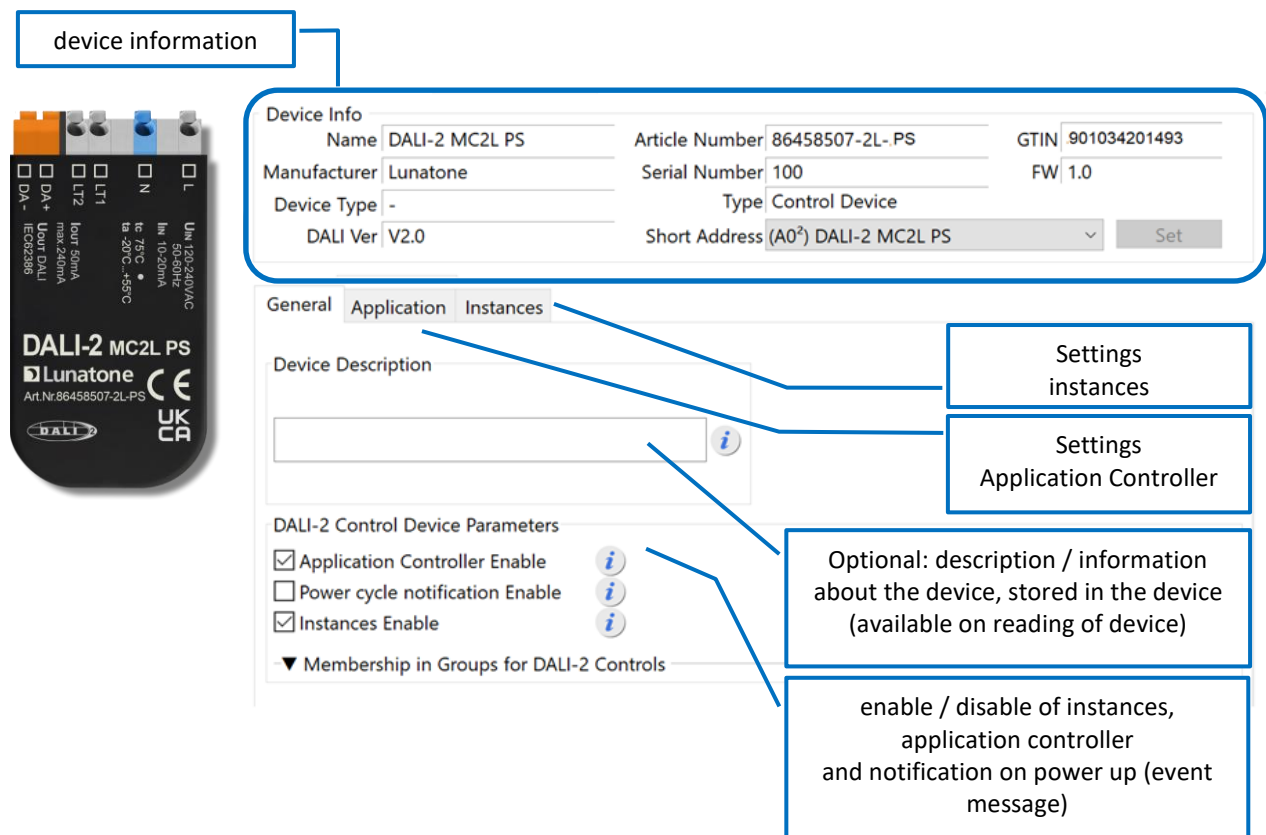
(General information on the DALI-2 instance mode: [https://www.lunatone.com/wp-content/uploads/2021/10/DALI-2\\_Instance-Guide\\_EN\\_M0024.pdf](https://www.lunatone.com/wp-content/uploads/2021/10/DALI-2_Instance-Guide_EN_M0024.pdf))

Instance parameters can be configured according to IEC 62386-301, see section “DALI-2 Instances” on page 13.

The Application controller and instances can be active at the same time.

 **Additional Information:** A deactivated Application Controller is indicated in the DALI Cockpit device tree with: **A**.

A device with active instances is indicated with: **i**



device information

Device Info

|              |                |                |                                   |      |              |
|--------------|----------------|----------------|-----------------------------------|------|--------------|
| Name         | DALI-2 MC2L PS | Article Number | 86458507-2L-PS                    | GTIN | 901034201493 |
| Manufacturer | Lunatone       | Serial Number  | 100                               | FW   | 1.0          |
| Device Type  | -              | Type           | Control Device                    |      |              |
| DALI Ver     | V2.0           | Short Address  | (A0 <sup>3</sup> ) DALI-2 MC2L PS |      | Set          |

General Application Instances

Device Description

DALI-2 Control Device Parameters

- ☒ Application Controller Enable
- ☐ Power cycle notification Enable
- ☒ Instances Enable

▼ Membership in Groups for DALI-2 Controls

Settings instances

Settings Application Controller

Optional: description / information about the device, stored in the device (available on reading of device)

enable / disable of instances, application controller and notification on power up (event message)

Figure 2: General Settings

## Application Controller: Configuration of inputs (LT1, LT2)

The screenshot displays the configuration interface for a DALI-2 MC2L PS device. The interface is divided into several sections:

- Device Info:** Includes fields for Name (DALI-2 MC2L PS), Article Number (86458507-2L-PS), GTIN (901034201493), Manufacturer (Lunatone), Serial Number (100), FW (1.0), Device Type (-), Type (Control Device), DALI Ver (V2.0), and Short Address (A0² DALI-2 MC2L PS).
- General / Application / Instances:** Tabs for switching between different configuration views.
- Input 1 / Input 2:** Selectable tabs for configuring individual inputs.
- Standard config / Alternative config:** Tabs for selecting the configuration mode.
- Destination Addresses:** A table with 4 rows for defining target addresses. The first row is set to 'All (DALI Broadcast)'.
 

| Address | Value                |
|---------|----------------------|
| 1:      | All (DALI Broadcast) |
| 2:      | none                 |
| 3:      | none                 |
| 4:      | none                 |
- Power Up:** Includes 'Actions After Power Up' (no action) and 'Delay' (0 [0..7sec]).
- Interpret scene commands as:** A dropdown menu set to 'Ignore'.
- Function:** A dropdown menu set to 'BF6 - Dim button: CmdX/CmdY/UP/DOWN depending on actual Light Level'. It includes a checkbox for 'sending ON AND STEP UP as Start-Cmd (CmdX)'.
- Command X:** A dropdown menu set to 'RECALL MAX LEVEL'.
- Command Y:** A dropdown menu set to 'OFF'.
- Interpretation of scene command for toggle functions:** Checkboxes for 'Dim Up' and 'Dim Down' are checked.

Annotations in the image point to the following elements:

- destination addresses:** Points to the Destination Addresses table.
- button function:** Points to the Function dropdown menu.
- DALI command / function:** Points to the Command X and Command Y dropdown menus.
- settings for each input:** Points to the Input 1 and Input 2 tabs.
- alternative configuration can be activated and deactivated by scene commands:** Points to the Alternative config tab.
- interpretation of scene command for toggle functions:** Points to the Dim Up and Dim Down checkboxes.

Figure 3: DALI Cockpit Settings: Application Controller

### Destination address / effective range

Here you can set which devices are affected by the button function. Possible destination addresses:

- Broadcast (all)
- DALI group (0 - 15)
- DALI single address (0 - 63)

Up to 4 different target addresses can be defined for each button input. When the button is pressed the target addresses 1 to 4 will be processed sequentially (see Figure 4)



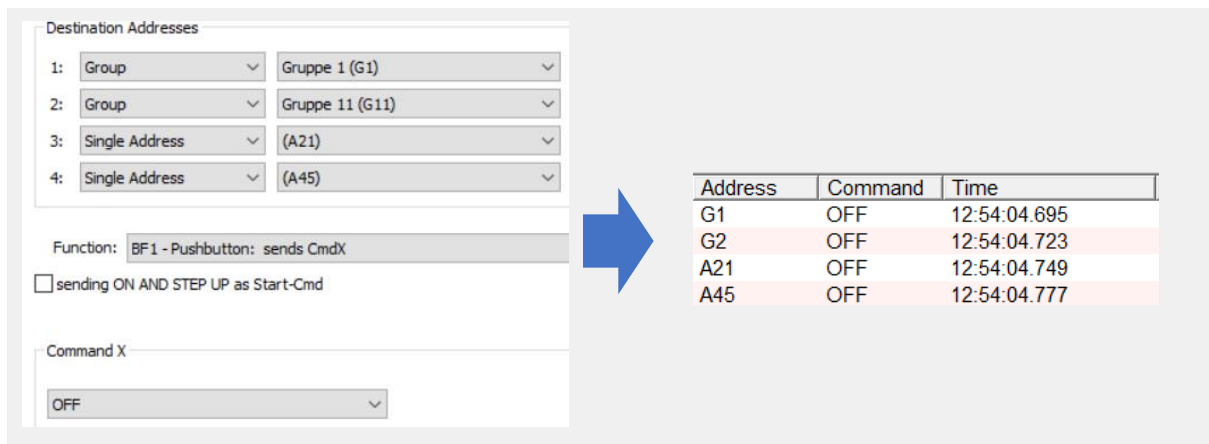


Figure 4: Example: Addresses 1-4 are sequentially processed

### Button Function (BF)

Various "Button Functions" (BF) can be assigned to the individual buttons. The "Button Function" defines the behaviour of a button. A short or long press of the button can trigger different DALI commands. A toggle

function (switching between on and off) is also possible.

Key presses (short / long) are queried according to the following timing diagram and translated into internal signals (**key events**):

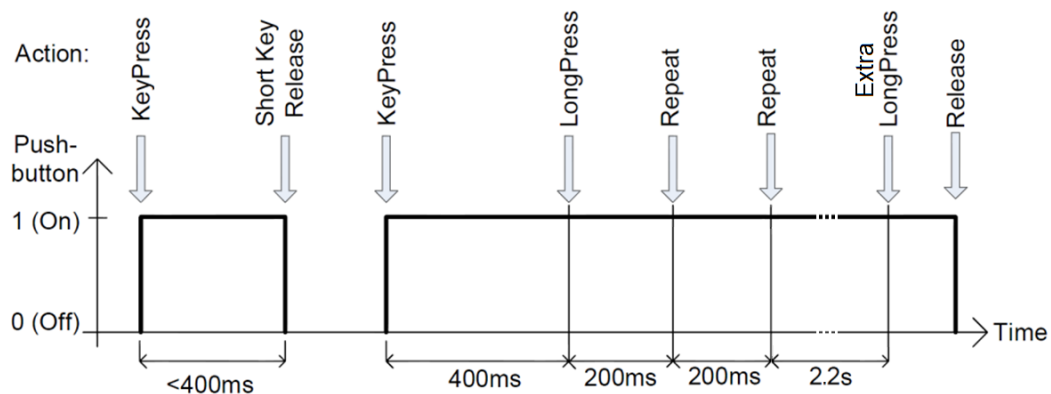


Figure 5: Key Events

The following table shows how the selected "Button Function" (lines 0 to 13) sends the commands **CmdX** and **CmdY** in connection with the "Key Events" (see Figure 5). CmdX and CmdY refer to DALI commands.



**Note:** The DALI commands are transmitted to all assigned target addresses.

| button function number | event: press                                                   | event: short press (release) | event: long press | event: extra-long press | event: repeat   | function                                                                                                                                                              | typical application          |
|------------------------|----------------------------------------------------------------|------------------------------|-------------------|-------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 0                      | -                                                              | -                            | -                 | -                       | -               | -                                                                                                                                                                     | -                            |
| 1                      | CmdX                                                           | -                            | -                 | -                       | -               | sends CmdX on key press                                                                                                                                               | master off                   |
| 2                      | CmdX                                                           | -                            | CmdY              | -                       | -               | sends CmdX on key press<br>sends CmdY on long key press                                                                                                               | switch to 2 different levels |
| 3                      | -                                                              | CmdX                         | -                 | CmdY                    | -               | sends CmdX on key press<br>sends CmdY on extra-long key press                                                                                                         | store level as scene         |
| 4                      | CmdX / CmdY toggle                                             | -                            | -                 | -                       | -               | sends <b>alternating</b> CmdX and CmdY on key press                                                                                                                   | toggle push button           |
| 5                      | CmdX / CmdY <b>toggle</b>                                      | -                            | -                 | -                       | -               | sends <b>CmdX or CmdY</b> on key press <b>depending on bus status</b>                                                                                                 | changeover button            |
| 6                      | -                                                              | CmdX / CmdY <b>toggle</b>    | UP / DOWN         | -                       | UP / DOWN       | sends <b>CmdX or CmdY</b> on short key press <b>depending on bus status</b><br>sends alternating UP or DOWN on long press and repeat                                  | push and dim                 |
| 7                      | CmdX<br>CmdY <b>on any release</b>                             | -                            | -                 | -                       | -               | sends CmdX on key press<br>sends CmdY on key release (after any duration)                                                                                             | switch                       |
| 8                      | CmdX / CmdY toggle<br>CmdY / CmdX toggle <b>on any release</b> | -                            | -                 | -                       | -               | sends <b>CmdX or CmdY</b> on key press <b>depending on bus status</b><br>sends <b>CmdY or CmdX</b> on key release (after any duration) <b>depending on bus status</b> | changeover switch            |
| 9                      | CmdX<br><b>CmdY on delay</b>                                   | -                            | -                 | -                       | -               | sends CmdX on key press<br>sends CmdY after a programmable delay                                                                                                      | staircase control            |
| 10                     | -                                                              | CmdX                         | CmdY              | -                       | CmdY            | sends CmdX on short key press<br>sends CmdY on long key press<br>sends CmdY on repeat                                                                                 | push and dim                 |
| 11                     | CmdX                                                           | -                            | -                 | -                       | CmdY            | sends CmdX on key press<br>sends CmdY on repeat                                                                                                                       | push and dim                 |
| 13                     | -                                                              | CmdX / CmdY <b>toggle</b>    | -                 | -                       | WARMER / COOLER | sends CmdX or CmdY on short key press <b>depending on bus status</b><br>sends alternating WARMER or COOLER on repeat                                                  | tunable white dim            |

Table 1 Buttonfunctions

## Commands

The actual action (which function is triggered when pressing a button) is determined by the button function and command assigned to the button.

In most cases, an X command (CmdX) and also a Y command (CmdY) can be selected.

The following options are available, see Table 2.

Depending on the selected command, additional input fields might appear for further settings, see Figure 6.

Figure 6: Example for CmdX: DAP additional inputs: Light Level and Fade time

## Predefined macros

Macros are predefined/ user defined command sequences that can be triggered by a single button press.

The following macros are available, see Table 3.

| Command number | Command name                    | action / function                                                      |
|----------------|---------------------------------|------------------------------------------------------------------------|
| no Nr.         | DIRECT ARC POWER                | direct arc power Level in %                                            |
| 0              | OFF                             | off                                                                    |
| 1              | UP                              | dim up (using fade rate)                                               |
| 2              | DOWN                            | dim down (using fade rate)                                             |
| 3              | STEP UP                         | increases light level by one increment                                 |
| 4              | STEP DOWN                       | decreases light level by one increment                                 |
| 5              | RECALL MAX                      | recalls MAX value                                                      |
| 6              | RECALL MIN                      | recalls MIN value                                                      |
| 7              | STEP DOWN AND OFF               | decreases light level by one increment, if value at MIN switch off     |
| 8              | ON AND STEP UP                  | increases light level by one increment, if OFF switch on               |
| 10             | GOTO LAST ACTIVE LEVEL (DALI 2) | DALI-2-Cmd for switching on to the last active level (Memory-Function) |
| 16-31          | GO TO SCENE                     | go to scene 0-15                                                       |

Table 2 Commands

**M2:** The selection “common scene list” allows the buttons (LT1-LT2) with M2 and this selection to continue switching the same scene list

**M3, M5 and M10:** these macros can be configured to be stopped by a scene command or an Off command. When selected the Macros are always stopped on seeing a scene or Off-command sent broadcast, or to the first destination address.

#### Interpretation of scene commands when using toggle function

In order to correctly trigger the on and off commands with the toggle function, scene calls must be interpreted correctly. It is possible to set whether a scene should be interpreted as Off or On (Fig 8).

| Nr  | Makro                            | Function                                                                                                                               |
|-----|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| M1  | Go Home                          | Light dims down to DAP 0 with predefined fade time, then fade time is set back to a programmable value                                 |
| M2  | Sequential Scenes                | A list of the scenes can be defined; the scene is switched with each button press.                                                     |
| M3  | Dynamic Scenes                   | A dynamic sequence of up to 16 scenes can be defined, including custom fade times and delays.                                          |
| M4  | Save actual light level as scene | When triggered the current level is saved in a scene (options: light level, RGB colour value, WAF colour value or colour temperature). |
| M5  | User Defined Cmd-List            | A user-defined macro script with up to 19 commands is executed. (delay up to 3h)                                                       |
| M6  | TC cooler                        | Activates the DT8 mode and sends the command “COOLER” 3 times.                                                                         |
| M7  | TC warmer                        | Activates the DT8 mode and sends the command “WARMER” 3 times.                                                                         |
| M8  | Send RGB +                       | Activates the DT8 mode and sends an ascending RGB color table value.                                                                   |
| M9  | Send RGB -                       | Activates the DT8 mode and sends a descending RGB color table value.                                                                   |
| M10 | Delayed Off                      | Sends a DAP level and after a delay the OFF command. DAP level and delay are user defined.                                             |

Table 3 Macros.

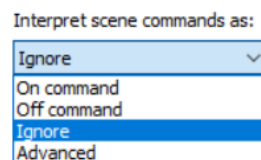


Figure 7

#### Behavior on power-up

The behaviour when the device starts can be defined for each input. The following settings are possible:

- No action: (the device starts and only sends commands when triggered by the input)
- Sending a scene or OFF command with or without a delay after start (maximum delay: 7 seconds)

### Alternative Configuration

An alternative/second configuration can be made for each button, see *Figure 8*. All previously explained configuration options and settings are available, except for macros, which are not available for the alternative commands. The alternative configuration can be recalled with a scene command.

Activate / deactivate the "Alternative Configuration":

- **"Disabled"**: the function is switched off, there is only the standard configuration

- **"Activation by Scene Commands"**: scenes can be selected which will activate / deactivate the alternative configuration.  
**activate**: the selected scene commands to the effective range of the standard configuration activate the alternative configuration  
**deactivate**: the selected scene commands to the effective range of the standard configuration and the effective range of the alternative configuration deactivate the alternative configuration.

General Application Instances

Input 1 Input 2

Standard config **Alternative config**

Alternative configuration setup

☐ Disabled

☒ Activation by Scene Commands

Alternative configuration activation: S0,S1,S2

Alternative configuration deactivation: S10

Destination Addresses

1: Group Group 0 (G0)

2: none

3: none

4: none

Alternative Function:

BF1 - Pushbutton: sends CmdX

☐ sending ON AND STEP UP as Start-Cmd

Command X

RECALL MIN LEVEL

activate «Alternative configuration»  
select how it is activated/deactivated

Selection of scenes to change the configuration

all configuration options and settings of «Standard config» (Fig. 3.) are available

Figure 8 Settings for the alternative configuration

## DALI-2 Instances

In this operating mode, no DALI control commands are sent on the bus, but DALI-2 event messages for DALI-2 compatible central control systems.

The DALI-2-MC2L PS supports 2 instances of type 1 (IEC62386-30, Input Devices - Push Button), which are assigned to the 2 button inputs:

|            |           |
|------------|-----------|
| instance 0 | input LT1 |
| instance 1 | input LT2 |

As defined in the standard, the following events are supported and sent on the DALI bus as INPUT NOTIFICATIONS, see *Table 4*.

Which events are sent can be determined using the event filter.

Further parameters of the instances 0 and 1 are: event filter, event timer settings (short timer, double timer, repeat timer, stuck timer), which can be configured via the DALI Cockpit Software, see *Figure 9*.

With which origin/address information the events are sent is determined with the instance-scheme.

General information on the DALI-2 instance mode and the instance types, event settings, event schemas etc. can be found in the instance guide: [https://www.lunatone.com/wp-content/uploads/2021/10/DALI-2\\_Instance-Guide\\_EN\\_M0024.pdf](https://www.lunatone.com/wp-content/uploads/2021/10/DALI-2_Instance-Guide_EN_M0024.pdf)

Instances can be queried using Query Input Value. Pushbutton instances return the following values in response to a query:

|                |      |                                  |
|----------------|------|----------------------------------|
| button free    | 0x00 | button not pressed / switch open |
| button pressed | 0xFF | Button pressed / switch closed   |

| Event name        | Event Information | Description                                                                                                                                                                                 |
|-------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Button released   | 00 0000<br>0000b  | The button is released                                                                                                                                                                      |
| Button pressed    | 00 0000<br>0001b  | The button is pressed                                                                                                                                                                       |
| Short press       | 00 0000<br>0010b  | The button is pressed and released, without being pressed quickly again (in case of double press enabled), or the button is pressed and quickly released (in case of double press disabled) |
| Double press      | 00 0000<br>0101b  | The button is pressed and released, quickly followed by another button press                                                                                                                |
| Long press start  | 00 0000<br>1001b  | The button is pressed without releasing it                                                                                                                                                  |
| Long press repeat | 00 0000<br>1011b  | Following a long press start condition the button is still pressed, the event occurs at regular intervals as long as the condition holds                                                    |
| Long press stop   | 00 0000<br>1100b  | Following a long press start condition, the button is released                                                                                                                              |
| Button free       | 00 0000<br>1110b  | The button has been stuck and is now released                                                                                                                                               |
| Button stuck      | 00 0000<br>1111b  | The button has been pressed for a very long time and is assumed stuck.                                                                                                                      |

*Table 4 Events*

General Application **Instances**

Instance Number [iN]: 0

Instance 0 settings

☒ Enable Event Messages

Instance type [iT]: 1 - Push button

Primary Instance Group [iG]: None Instance Group 1 [iG]: None Instance Group 2 [iG]: None

Event scheme: Instance addressing Event priority: Priority 4

Event Filters

- ☐ Button released
- ☐ Button pressed
- ☒ Short press
- ☐ Double press
- ☒ Long press Start
- ☒ Long press Repeat
- ☒ Long press Stop
- ☒ Button stuck/free

Timers

- Short: 400 ms
- Double: -
- Repeat: 160 ms
- Stuck: 20 s

Selection of the pushbutton instance / input:  
instance 0: input LT1  
instance 1: input LT2  
The settings shown below apply to the selected instance (input)

Activation of event messages of the selected instance

Event and timer settings of the selected instance

Figure 9: Instance settings

## Purchase Information

**Art. Nr. 86458507-2L-PS**

**DALI-2 MC2L PS**

for back box installation

factory default: App-Controller activated  
integrated DALI bus power supply (50mA)

## Contact

Technical Support:

[support@lunatone.com](mailto:support@lunatone.com)

Requests: [sales@lunatone.com](mailto:sales@lunatone.com)

[www.lunatone.com](http://www.lunatone.com)

## Additional Information and Equipment

DALI-Cockpit – DALI system configuration tool, free when using a Lunatone interface device

<https://www.lunatone.com/en/product/dali-cockpit/>

Lunatone DALI products

<https://www.lunatone.com/en>

Lunatone Datasheets and Manuals

<https://www.lunatone.com/en/download-s-a-z/>



## Disclaimer

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

The function in installations with other devices must be tested for compatibility in advance.