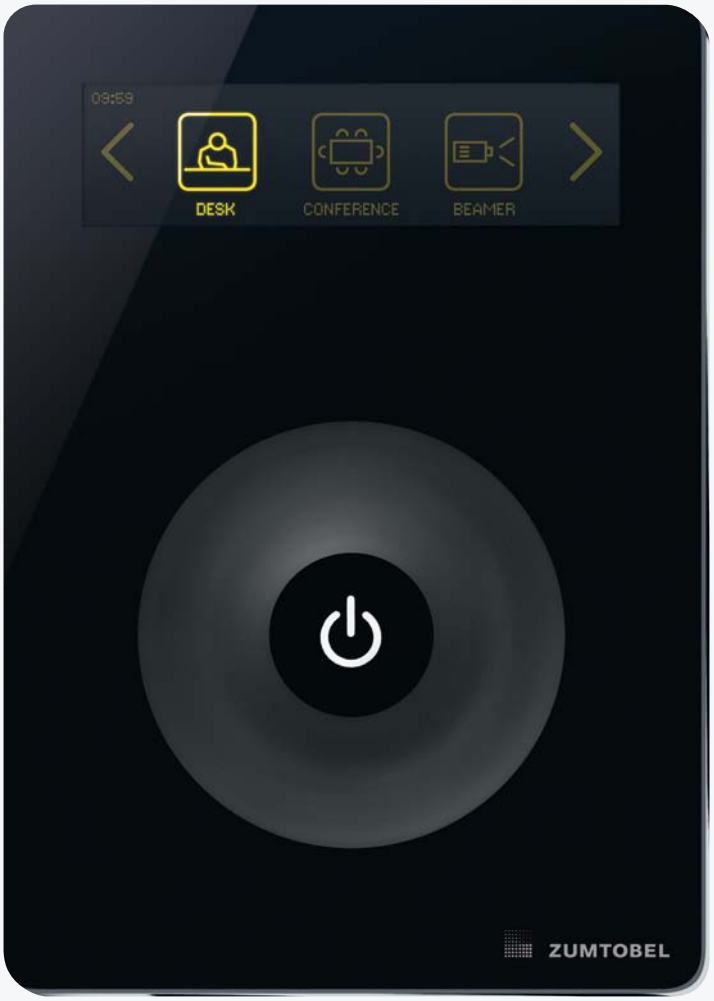
ZUMTOBEL



LUXMATE CIRIA

Instructions for start-up and use

Legal information

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Version

LM-CIRIA operating and commissioning manual 2.0 | 06. 2012

Manual orientation

We are pleased that you have chosen this Zumtobel product. So that you can get the most from this manual, the following information will be set out in this section:

- Target groups
- Manual structure
- Characters and symbols in this manual
- Other helpful information

Target groups

This manual is directed at specific target groups. The target groups that will find this manual most useful are:

- Users
- Service personnel

Manual structure

Safety instructions	Section 1, page 8	Users, service personnel
Introduction	Section 2, page 10	Users
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Commissioning the field level	Section 6, page 82	Service personnel
Appendix	Appendix, page 116	Users, service personnel

Characters and symbols in this manual

The following characters and symbols are used in this manual:

Individual steps in the instructions are numbered.

= After a step has been described, a description of the expected results will follow. Results are indicated by = at the beginning of the line.

– Requirements which need to be checked before carrying out a step are indicated by –.

- Individual information to note is indicated by •. This information is also labelled with the word "Note". Notes are given in grey boxes.

Other helpful information

Detailed information on the setup and function of your Zumtobel system can be found in our product and system documentation and in the instructions supplied with the system.

If you should have any further questions, please contact your contract partner.

General information on our products can be found on our homepage **www.zumtobel.com**.

Table of contents

1 Safety instructions

The instructions in this chapter have been compiled to ensure that operators and users of this Zumtobel system are able to detect potential risks and can take necessary measures as soon as possible before any damage is done. The operator must ensure that all users fully understand these instructions and adhere to them. This device may only be installed and configured by suitably qualified personnel.

1.1 Intended use

Proper use

- Operating and commissioning the Zumtobel system field level
- The device may only be used for its intended purpose.

Improper use

- Outdoor use
- Extensions and modifications to the product
- Use of third-party components and accessories that have not been specifically approved by Zumtobel

Warning

Improper use could result in injury, malfunction or damage to property. The operator must inform all users of the potential risks associated with the use of the equipment and about protective countermeasures.

Environment

Not to be used in corrosive or explosive environments.

1.2 Dangers associated with the operation of this system

Danger of electrocution

Countermeasures:

Disconnect the power to the entire Zumtobel system before working on the lighting system.

Risk of damage caused by condensation

Countermeasures:

Prior to commissioning the system, wait until the LM-CIRIA control unit is at room temperature and completely dry.

Risk of damage caused by humidity

Countermeasures:

Only use the LM-CIRIA control unit in dry rooms and protect it from humidity.

1.3 Cleaning

You have selected a Zumtobel product with a high-quality surface. To ensure that your product lasts, observe the following instructions.

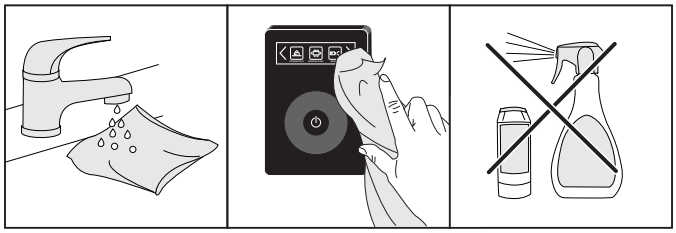


Figure 1: Cleaning

Note:

- Clean the product using a soft, damp cloth.
- Dry the product using a soft towel.
- Corrosive and abrasive cleaning agents may damage the surface.
- Do not use any cleaning agents which contain chlorine or acid, or which are abrasive or corrosive. Instead use only mild cleaning agents and water.
- Complaints resulting from the improper use of cleaning agents will be disregarded.

1.4 Disposal

For disposal in accordance with the WEEE Directive:

- Return the device to Zumtobel.
- Dispose of electrical device in accordance with national regulations.
- Do not throw out the device with non-recyclable waste.
- Do not burn the device.

1.5 Declaration of CE conformity

CE

Zumtobel confirms that the LM-CIRIA control unit complies with the relevant EU Directives.

2 Introduction

2.1 Basic functions

- Recall up to 21 scenes
- Configure up to 21 scenes
- Operate up to 10 building services
- Configure up to 10 building services
- Operate up to 15 groups
- Configure up to 15 groups
- Operate up to 15 outputs
- Configure up to 15 outputs
- Switch on/off and brighten/dim lighting manually
- Change the colour temperature of the lighting
- Move blinds manually
- Open and close windows manually
- Change room temperature
- Display room temperature
- Address outputs
- Assign inputs and control units
- Configure the LM-CIRIA control unit
- Configure fade speeds
- Configure time-linked automation (LM-ZSM time control device)
- Configure automated scene sequence (LM-ZSQ sequencer)
- Configure daylight-linked automation

2.2 LM-CIRIA control unit icons

Scene

Scenes are displayed as buttons using scene icons. Selecting a button recalls that scene.

Figure 2: Scene icons

Scene temporarily changed

Recalled scenes can be changed using the touchring. The upper right-hand corner of the corresponding scene icon is marked to show the change of scene.

Figure 3: Scene icon when scene has been manually changed

Scene automated for daylight linking

Scenes can be automated for daylight linking. A daylight-linked automated scene is indicated by an arrow pointing to the bottom right-hand corner of the corresponding scene icon.

Figure 4: Scene icon when scene has been automated for daylight linking

Automated scene sequence

A scene sequence can be started by recalling a scene. The sequence is indicated by the text **SEQU** in the header.

Figure 5: **SEQU** for scene icon when scene sequence has been automated

Building service

Building services are displayed as buttons using building service icons. Selecting a button chooses that building service for operation.

Figure 6: Building service icons

Groups

Building services can be separated into their own groups. The building services in each group can then be operated together.

If there are multiple groups for a building service, these groups are numbered. The group number is displayed in the lower right-hand corner of the group icon. Building service groups can be accessed by selecting **GROUPS**.

Figure 7: **GROUPS** (entry level)

Figure 8: Building service group icons (selection level)

Figure 9: Operating buttons (settings level)

Notes

- Group control values (in %) will only be displayed if all building services within the group have the same control value.
- Control values will only be displayed on the touchscreen if there are actuators available that support this function.

Time display

The time is displayed in the upper left-hand corner of the touchscreen.

Figure 10: Time display

Notes

- The time will only be displayed if the system has an internal clock.
- The time display can be enabled or disabled (factory setting: enabled).

Room temperature display

The room temperature is displayed in the upper right-hand corner of the touchscreen.

Figure 11: Room temperature display

Notes

- The room temperature will only be displayed if there are actuators available that support this function.
- The room temperature display can be enabled or disabled (factory setting: disabled).

2.3 Dimming

Smooth adjustment of a lamp's luminous flux. Dimming can refer to both increasing and decreasing the luminous flux.

Brighten: increasing a lamp's luminous flux. A luminaire can be brightened from any position (except 100 %), but can only be dimmed on from 0 %.

Dim: decreasing a lamp's luminous flux. A luminaire can be dimmed to any position, but can only be dimmed off to 0 %.

Dim on: increasing a lamp's luminous flux from a dimmed off state (0%) to a set control value.

Dim off: decreasing a lamp's luminous flux from its current position until the lamp is completely off (0 %). The scene remains active.

2.4 Colour temperature

(Unit: kelvin)
The temperature that a “black body” must have in order for its light to be perceived as the same colour as the actual existing light source. A black body is a theoretically ideal body that absorbs rather than reflects all of the electromagnetic radiation it encounters regardless of the wavelength. If these black bodies are heated, they change their colours from black to red to yellow to white to blue. The lower the temperature of the black body, the “warmer” or more yellow the light. The higher the temperature, the “cooler” or more blue the light.

2.5 Tunable White

“Tunable White” describes the option to dynamically change the light of an LED luminaire in the white light range. The colour temperature of Tunable White luminaires from Zumtobel can be changed in the white light range from 2700 to 6500 kelvin.

Figure 12: Colour temperature range of Tunable White luminaires

2.6 Scene

A scene is a set of defined settings for luminaires, blinds, etc. which meet a specific requirement within an area. These settings can be dynamically aligned and include different types of automation.

A scene can be recalled manually (e.g. by pressing a key) or automatically (e.g. by time-linked automation). Examples of scenes are: Desk, Presentation, Break.

2.7 Time-linked automation

A type of automation for which time is the triggering factor.

Example of time-linked automation: in an individual office, an absence scene is recalled every working day at 20:00.

2.8 Automated scene sequence

A type of automation that recalls specific scenes at specific times in a set sequence.

2.9 Daylight linking

A type of automation for which daylight is the triggering factor in the control of luminaires and/or blinds. The amount of available daylight is detected by a sky scanner.

This type of automation includes daylight utilisation, glare protection with appropriate lighting control and daylight tracking.

3 LM-CIRIA control unit

3.1 Overview

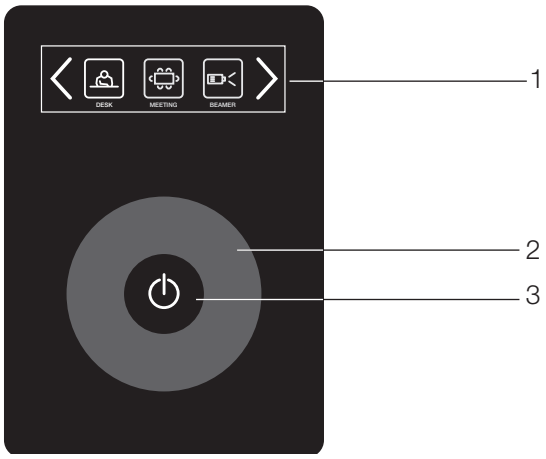


Figure 13: LM-CIRIA control unit

1 Touchscreen
The touchscreen is used to recall scenes and navigate within selection and settings levels.

2 Touchring
The touchring is used to manually adjust the lighting, move blinds and navigate to desired values in the settings levels.

3 On/off key
The on/off key is used to recall a presence or absence scene.

3.2 Touchscreen function

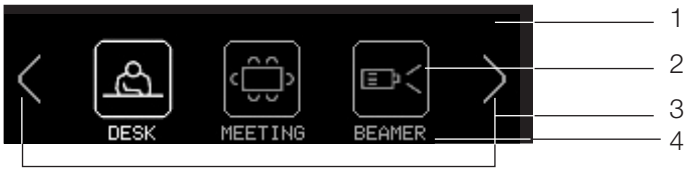


Figure 14: Touchscreen

1 Header

2 Buttons

3 Navigation buttons

4 Footer

The touchscreen is used to recall scenes and navigate within entry, selection and settings levels. Touching a button on the touchscreen selects its corresponding function. The button illuminates as confirmation that it has been selected. The selection can also be confirmed with an audible action click (factory setting: action click is disabled).

Note
- If a button is not selected within a specific time (return timeout), the touchscreen display switches automatically to the entry level. The return timeout is set when the system is commissioned.
- If the area between two selections is touched on the touchscreen, no function is selected.

3.3 Touchring

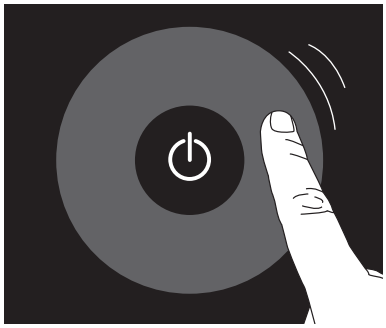


Figure 15: Touchring

The touchring is used to change scenes temporarily (changes are not saved) and to navigate to desired values in the settings levels. The touchring is touch-sensitive; to use it, run your finger along the ring. When the touchring is touched or when you remove your finger from it, the touchscreen display changes.

3.4 On/off key

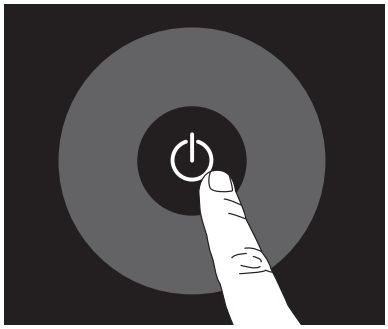


Figure 16: On/off key

The on/off key is used to recall a presence or absence scene. The scene to be used for presence or absence scenes is set when the system is commissioned and then assigned to the on/off key. If the absence scene is enabled, the on/off key LED is illuminated white to enable the control unit to be found in the dark. If a presence scene is recalled, the on/off key LED goes out. The behaviour of the on/off key LED is set when the system is commissioned.

3.5 Target group-oriented structure

The LM-CIRIA control unit is designed in a way that best meets the requirements of each target group. The functions relevant for a particular target group are displayed in a clear and compact way. These functions can be accessed easily and directly using the touchscreen.

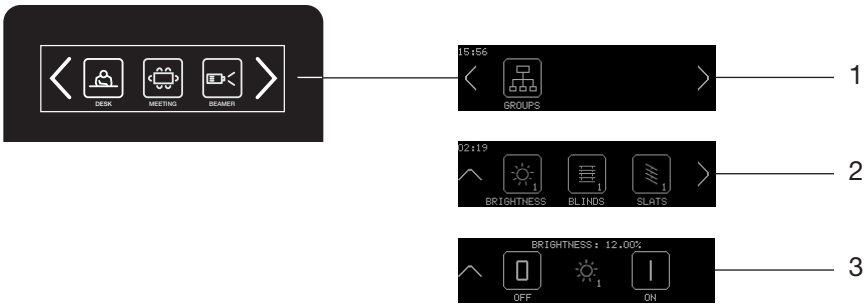


Figure 17: Entry level – selection level – settings level

1 Entry level

2 Selection level

3 Settings level

Entry level

The entry level is the first level shown on the touchscreen of the LM-CIRIA control unit. This level contains all functions relevant for daily use. Using this level, the appropriate scene for a particular activity can be recalled. Selecting scenes is made easier thanks to scene icons that are easy to understand.

Other operating options can be displayed using the < and > navigation buttons.

The number and type of icons (scene, building service, group) displayed depends on how the control unit has been configured.

Selection levels are accessed from the entry level.

Selection level

In a selection level, functions can be selected from several options. Other selection options are displayed using the < and > navigation buttons.

Other selection levels or settings levels are accessed from a selection level. The previous level can be accessed using the ^ navigation button.

Settings level

From settings levels, no further levels can be accessed on the touchscreen of the LM-CIRIA control unit. In settings levels, building services are operated and functions are configured.

Other setting options can be displayed using the < and > navigation buttons.

The previous level can be accessed using the ^ navigation button.

4 Operation

In this section, the operating options available to a user of the LM-CIRIA control unit are described. These operating options depend on the room's technical equipment.

Note

- The LM-CIRIA control unit is optimally configured for the room's use when the system is commissioned. This configuration should only be changed by service personnel authorised by Zumtobel.

4.1 Recalling a scene

– Start point: entry level

1. Select the desired scene icon.

   = The scene icon illuminates.

   = The scene is recalled.

Figure 18: Recalling **DESK** scene

4.2 Adjusting the lighting throughout the room using scene icons

– Start point: entry level

– Touchring has been assigned to the building service **BRIGHTNESS** (factory setting).

1. Select the desired scene icon, e.g. **DESK**.

   = The scene icon illuminates.

   = The scene is recalled.

Figure 19: Recalling **DESK** scene

2. Run your finger along the touchring.

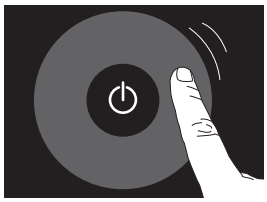


Figure 20: Touchring

   = **BRIGHTNESS** display appears.

Figure 21: **BRIGHTNESS** display

   = Luminaires are brightened or dimmed.

   = The upper right-hand corner of the scene icon is marked.

Notes

- Brighten: run your finger clockwise along the touchring.
- Dim: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop lighting adjustment: pause finger or remove from touchring.
- The adjustment of the luminaires is temporary. If the same scene is recalled again, the luminaires assume their set scene values once more.

4.2.1 Adjusting the lighting throughout the room using building service icons

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 22: Building service icons

2. Select the desired building service icon, e.g. **BRIGHTNESS**.

   = Settings level appears.

Figure 23: **BRIGHTNESS** display

3. Run your finger along the touchring.

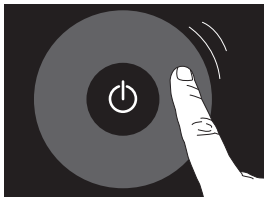


Figure 24: Touchring

   = **BRIGHTNESS** display appears.

Figure 25: **BRIGHTNESS** display

   = Luminaires are brightened or dimmed.

Notes

- Brighten: run your finger clockwise along the touchring.
- Dim: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop lighting adjustment: pause finger or remove from touchring.
- The adjustment of the luminaires is temporary. If the same scene is recalled again, the luminaires assume their set scene values once more.

4.3 Operating the blinds throughout the room

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 26: Building service icons

4.3.1 Completely opening or closing the blinds

1. Select **BLINDS**.

   = Settings level appears.

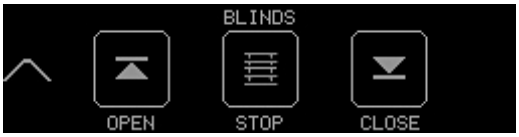


Figure 27: **BLINDS** settings level

2. Select **OPEN** to completely open the blinds.

   = **OPEN** illuminates.

   = Blinds move upwards.

3. Select **CLOSE** to completely close the blinds.

   = **CLOSE** illuminates.

   = Blinds move downwards.

4. Select **STOP** to stop the blinds when they are moving.

   = **STOP** illuminates.

   = Blinds stop moving.

4.3.2 Positioning the blinds

1. Select **BLINDS**.

   = Settings level appears.

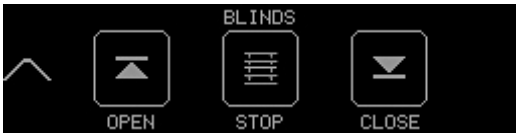


Figure 28: **BLINDS** settings level

2. Run your finger along the touchring.

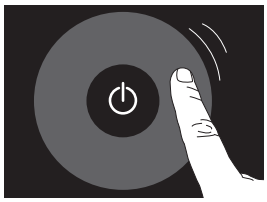


Figure 29: Touchring

= **BLINDS** display appears.

Figure 30: **BLINDS** display

= Blinds move upwards or downwards.

Note

- Move blinds upwards: run your finger clockwise along the touchring.
- Move blinds downwards: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop positioning adjustment: pause finger or remove from touchring.

4.3.3 Completely opening or closing the slats

1. Select **SLATS.**

= Settings level appears.

Figure 31: **SLATS** settings level

2. Select **OPEN** to completely open the slats.

= **OPEN** illuminates.

= Slats open completely.

3. Select **CLOSE** to completely close the slats.

= **CLOSE** illuminates.

= Slats close completely.

4. Select **STOP** to stop the slats when they are opening or closing.

= **STOP** illuminates.

= Slats stop opening/closing.

4.3.4 Positioning the slats

1. Select **SLATS**.

   = Settings level appears.

Figure 32: **SLATS** settings level

2. Run your finger along the touchring.

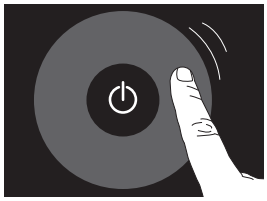


Figure 33: Touchring

   = **SLATS** display appears.

Figure 34: **SLATS** display

   = Slats open or close.

Note

- Open: run your finger clockwise along the touchring.
- Close: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop positioning adjustment: pause finger or remove from touchring.

4.4 Opening or closing all windows in the room

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 35: Building service icons

2. Select **WINDOW.**

   = Settings level appears.

Figure 36: **WINDOW** settings level

3. Select **CLOSE** to close the windows.

   = **CLOSE** illuminates.

   = Windows close.

4. Select **OPEN** to open the windows.

   = **OPEN** illuminates.

   = Windows open.

5. Select **STOP** to stop the windows when they are opening or closing.

   = **STOP** illuminates.

   = Windows stop opening / closing.

4.5 Opening or closing all curtains in the room

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 37: Building service icons

2. Select **CURTAIN**.

   = Settings level appears.

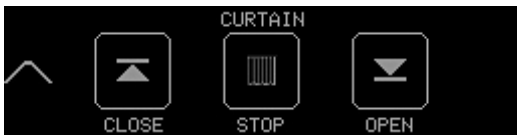


Figure 38: **CURTAIN** settings level

3. Select **CLOSE** to close the curtains.

   = **CLOSE** illuminates.

   = Curtains close.

4. Select **OPEN** to open the curtains.

   = **OPEN** illuminates.

   = Curtains open.

5. Select **STOP** to stop the curtains when they are opening or closing.

   = **STOP** illuminates.

   = Curtains stop opening / closing.

4.6 Moving the screen upwards or downwards

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 39: Building service icons

2. Select **SCREEN**.

   = Settings level appears.

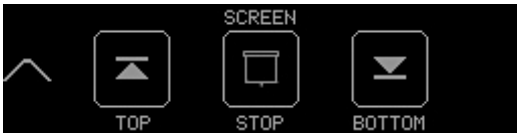


Figure 40: **SCREEN** settings level

3. Select **TOP** to retract the screen.

   = **TOP** illuminates.

   = Screen moves upwards.

4. Select **BOTTOM** to bring the screen down.

   = **BOTTOM** illuminates.

   = Screen moves downwards.

5. Select **STOP** to stop the screen when it is moving.

   = **STOP** illuminates.

   = Screen stops moving.

4.7 Switching the ventilation on or off (air exchange)

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 41: Building service icons

2. Select **AIR EXCHANGE**.

   = Settings level appears.

Figure 42: **AIR EXCHANGE** settings level

3. Select **OFF** to switch the ventilation off.

   = **OFF** illuminates.

   = Ventilation switches off.

4. Select **ON** to switch the ventilation on.

   = **ON** illuminates.

   = Ventilation switches on.

4.8 Increasing or decreasing the room temperature

– Start point: entry level

1. Touch the navigation buttons until the building service icons are displayed.

   = Building service icons are displayed.

Figure 43: Building service icons

2. Select **TEMPERATURE**.

   = Settings level appears.

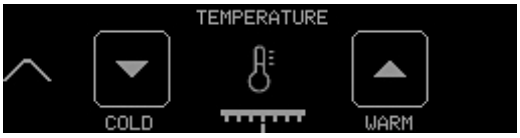


Figure 44: **TEMPERATURE** settings level

3. Select **COLD** to decrease the room temperature.

   = **COLD** illuminates.

   = Room temperature decreases by 1°C.

4. Select **WARM** to increase the room temperature.

   = **WARM** illuminates.

   = Room temperature increases by 1°C.

Notes

- The increase/decrease in the room temperature is displayed on a thermometer.
- The room temperature can be manually increased or decreased by a maximum of 3°C.

4.9 Switching luminaire groups on or off

– Start point: entry level

1. Touch the navigation buttons until the group icon is displayed.

   = Group icon is displayed.

Figure 45: Group icon

2. Select **GROUPS**.

   = Selection level appears.

Figure 46: Selection level

3. Use the navigation button to access other groups.

   = Other groups are displayed.

4. Select the luminaire group to be switched on or off.

   = Settings level appears.

Figure 47: **BRIGHTNESS** settings level

5. Select **OFF** to switch off all the luminaires in this group.

   = **OFF** illuminates.

   = Luminaires switch off.

6. Select **ON** to switch on the luminaires in this group.

   = **ON** illuminates.

   = Luminaires switch on.

4.10 Adjusting the lighting for luminaire groups

– Start point: entry level

1. Touch the navigation buttons until the group icon is displayed.

   = Group icon is displayed.

Figure 48: Group icon

2. Select **GROUPS**.

   = Selection level appears.

Figure 49: Selection level

3. Use the navigation button to access other groups.

   = Other groups are displayed.

4. Select the luminaire group for which the lighting must be adjusted.

   = Settings level appears.

Figure 50: **BRIGHTNESS** settings level

5. Run your finger along the touchring.

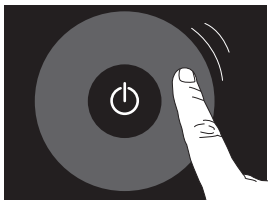


Figure 51: Touchring

   = **BRIGHTNESS** display appears.

Figure 52: **BRIGHTNESS** display

   = Luminaire group lighting is adjusted.

Notes

- Brighten: run your finger clockwise along the touchring.
- Dim: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop lighting adjustment: pause finger or remove from touchring.

4.11 Changing the colour temperature of a luminaire group

– Start point: entry level

1. Touch the navigation buttons until the group icon is displayed.

   = Group icon is displayed.

Figure 53: Group icon

2. Select **GROUPS**.

   = Selection level appears.

Figure 54: Selection level

3. Use the navigation button to access other groups.

   = Other groups are displayed.

4. Select the luminaire group for which the colour temperature must be changed.

   = Settings level appears.

Figure 55: Settings level.

5. Run your finger along the touchring.

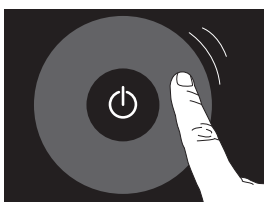


Figure 56: Touchring

= **COLOUR TEMP.** display appears.

Figure 57: **COLOUR TEMP.** display

= Colour temperature of luminaire group is changed.

Notes

- Increase colour temperature: run your finger clockwise along the touchring.
- Decrease colour temperature: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop: pause finger or remove from touchring.

4.12 Completely opening or closing groups of blinds

– Start point: entry level

1. Touch the navigation buttons until the group icon is displayed.

   = Group icon is displayed.

Figure 58: Group icon

2. Select **GROUPS**.

   = Selection level appears.

Figure 59: Selection level

3. Use the navigation button to access other groups.

   = Other groups are displayed.

4. Select the group of blinds to be operated.

   = Settings level appears.

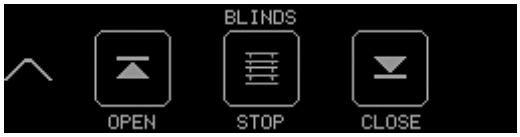


Figure 60: **BLINDS** settings level

5. Select **OPEN** to completely open all the blinds in this group.

   = **OPEN** illuminates.

   = Blinds move upwards.

6. Select **CLOSE** to completely close all the blinds in this group.

   = **CLOSE** illuminates.

   = Blinds move downwards.

7. Select **STOP** to stop the blinds when they are moving.

   = **STOP** illuminates.

   = Blinds stop moving.

4.13 Positioning groups of blinds

– Start point: entry level

1. Touch the navigation buttons until the group icon is displayed.

   = Group icon is displayed.

Figure 61: Group icon

2. Select **GROUPS**.

   = Selection level appears.

Figure 62: Selection level

3. Use the navigation button to access other groups.

   = Other groups are displayed.

4. Select the group of blinds to be operated.

   = Settings level appears.

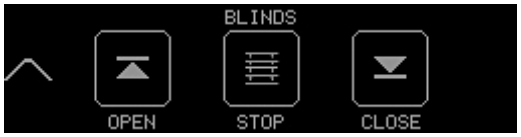


Figure 63: **BLINDS** settings level

5. Run your finger along the touchring.

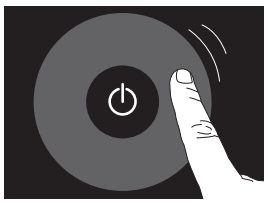


Figure 64: Touchring

   = **BLINDS** display appears.

Figure 65: **BLINDS** display

   = Blinds move upwards or downwards.

Note

- Move blinds upwards: run your finger clockwise along the touchring.
- Move blinds downwards: run your finger anti-clockwise along the touchring.

This is the factory setting; this setting is defined when the system is commissioned (**TOUCHRING DIR** parameter).

- Stop positioning adjustment: pause finger or remove from touchring.

5 Configuring the LM-CIRIA control unit

The LM-CIRIA control unit should only be configured by service personnel authorised by Zumtobel.

The LM-CIRIA control unit is configured via the service menu. You must log in to the LM-CIRIA control unit with a password to access this menu. Once you have logged in, the selection and settings levels can be accessed via the buttons. In this manual, service menu settings level locations are given in the form of a path. For easy orientation, the most important part of the path is displayed in the touchscreen header.

Note
- The password is set by service personnel when the system is commissioned.

Example:

Path: SERVICE MENU / INTERNAL / CONFIGURATION / MY ADDRESS

Description:

1. Log in.
2. Select **INTERNAL**.
3. Select **CONFIGURATION**.
4. Select **MY ADDRESS**.

Different parameter value settings are often available for configuring the LM-CIRIA control unit. The parameter values are listed for their associated parameters. Parameter values in grey are the factory settings for the control unit.

Example:

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
...	...

Table 1: **TYPE** setting options

The **BRIGHTNESS** parameter value is the factory setting in this example.

5.1 Logging in

– Start point: entry level

Figure 66: Entry level

1. Hold down the ‹ and › navigation buttons at the same time for approx. two seconds.

   = **SERVICE MENU** selection level appears.

Figure 67: **SERVICE MENU** selection level

2. Select **LOGIN**.

   = Settings level appears.

   = The first position of the six-character password illuminates.

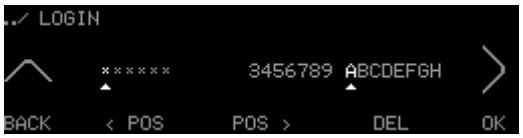


Figure 68: **LOGIN** settings level

3. Run your finger along the touchring until the desired letter or number for the first position of your password is illuminated.
4. Press the on/off key to accept the letter/number.

   = The password letter or number is accepted.

   = The next password position illuminates.

5. Repeat steps 3 and 4 until the password has been completely entered.
6. To access the **SERVICE MENU** selection level, select **OK**.

   = You have logged in.

   = **SERVICE MENU** selection level appears.

Notes

- To delete a letter or number from the password (e.g. if an incorrect character was entered), select **<POS** or **POS>** to move to the desired position in the password. Select **DEL** to delete an entry. After an entry is deleted, the password position before it illuminates.
- Other letters and special characters can be accessed by running your finger along the touchring.

5.2 Selecting the language

– Start point: **SERVICE MENU** selection level

1. Select **LANGUAGE**.

   = Settings level appears.

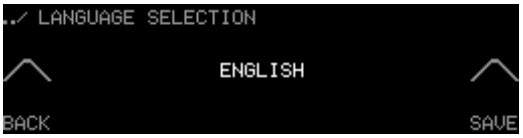


Figure 69: **LANGUAGE SELECTION** settings level

2. Run your finger along the touchring until the desired language appears.
3. Select **SAVE** to save the setting.

   = The previous selection level appears.

Notes
- Available languages: German, English, French, Italian, Spanish, Dutch.
- Factory setting: German

5.3 Displaying the software version

– Start point: **SERVICE MENU** selection level

1. Select **SOFTWARE VERSION**.

   = The current software version for the LM-CIRIA control unit is displayed.

5.4 Assigning the address

Path: SERVICE MENU / INTERNAL / CONFIGURATION / MY ADDRESS

Figure 70: **MY ADDRESS** settings level

– Start point: **MY ADDRESS** settings level

1. Select **ROOM** to assign the room address.

   = **ROOM** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Repeat steps 1 and 2 for the group and bus addresses.

4. Select **SAVE** to save the settings.

   = Room, group and bus addresses are saved.

   = The previous selection level appears.

Parameter	Value range	Factory setting
ROOM	--; 0 – 99	--
GROUP	0 – 99	0
BUS ADDR.	1 – 99	0

Table 2: **MY ADDRESS** setting options

Notes

- The room, group and bus addresses for the LM-CIRIA control unit must be taken from the system addressing scheme.
- While a number is being selected with the touchring, the number previously saved for that address remains illuminated, so that it is always possible to see which address is currently assigned to the LM-CIRIA control unit.
- If the LM-CIRIA control unit is assigned a group address of 0, all groups in the room can be operated. If the LM-CIRIA control unit is assigned a group address (e.g. 1), only this group can be operated.

5.5 Configuring the touchring

The behaviour of the touchring can be adapted to suit individual requirements. You can configure how the touchring behaves when an absence scene is enabled and it is touched, which building service type is controlled by the touchring and whether operation is audibly confirmed with an action click.

5.5.1 Configuring touchring behaviour when switched on

Path: SERVICE MENU / INTERNAL / CONFIGURATION / WAKE-UP REACTION

Figure 71: **WAKE-UP REACTION** settings level

– Start point: **WAKE-UP REACTION** settings level

1. Select **TOUCHRING**.

   = **TOUCHRING** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SCENE**.

   = **SCENE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **KEY**.

   = **KEY** illuminates.

6. Run your finger along the touchring until the desired setting appears.

5. Select **SAVE** to save the settings.

   = Touchring behaviour when switched on is saved.

   = The previous selection level appears.

Note

- Settings are only saved if **SAVE** is selected.

TOUCHRING parameter	Description
NO REACTION	The touchring does not function if an absence scene is enabled.
DIMMING	Lighting can be dimmed using the touchring if an absence scene is enabled, but no scene can be recalled.
DIMMING & SCENE	Lighting can be dimmed and a scene can be recalled using the touchring if an absence scene is enabled. The SCENE parameter defines which scene can be recalled.

Table 3: **TOUCHRING** setting options

Parameter	Value range	Factory setting
SCENE	0 – 20	1

Table 4: **SCENE** setting options

Parameter	Value range	Factory setting
KEY	PRESENCE SCENE, LAST SCENE	PRESENCE SCENE

Table 5: **KEY** setting options

5.5.2 Assigning building service types

Path: SERVICE MENU / INTERNAL / CONFIGURATION / TOUCHRING TYPE

Figure 72: **TOUCHRING TYPE** settings level

– Start point: **TOUCHRING TYPE** settings level

1. Run your finger along the touchring until the desired building service type appears.
2. Select **SAVE** to save the setting.

   = Building service type is assigned and saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 6: Selection of **TOUCHRING TYPE** setting options

5.5.3 Configuring the action click

Path: SERVICE MENU / INTERNAL / CONFIGURATION / ACTION CLICK

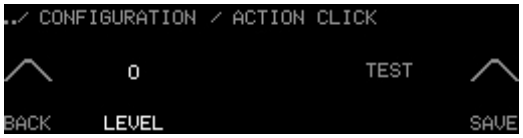


Figure 73: **ACTION CLICK** settings level

– Start point: **ACTION CLICK** settings level

1. Select **LEVEL**.

   = **LEVEL** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **TEST** to check the action click volume level.

   = An action click is heard at its set level.

4. Select **SAVE** to save the setting.

   = Action click setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- The action click setting applies to both the touchring and the touchscreen buttons.

Parameter	Value range	Factory setting
LEVEL	0, 1, 2, 3, 4 (0 = no action click, 4 = loud action click)	0

Table 7: **LEVEL** setting options

5.6 Configuring the on/off key

The behaviour of the on/off key can be adapted to suit individual requirements. You can configure which presence and absence scenes are recalled at which fade speed and which building service type is controlled using the on/off key.

5.6.1 Assigning a presence or absence scene

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SCENE OF KEY

Figure 74: **SCENE OF KEY** settings level

– Start point: **SCENE OF KEY** settings level

1. Select **PRESENCE**.

   = **PRESENCE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **SAVE** to save the setting.

   = Presence scene is saved.

   = The previous selection level appears.

4. To assign an absence scene, carry out steps 1–3, but select **ABSENCE** instead.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range	Factory setting
PRESENCE	1 – 20	1
ABSENCE	0 – 20	0

Table 8: **SCENE OF KEY** setting options

5.6.2 Assigning the fade speed

Path: SERVICE MENU / INTERNAL / CONFIGURATION / FADE OF KEY

Figure 75: **FADE OF KEY** settings level

– Start point: **FADE OF KEY** settings level

1. Select **PRESENCE**.

   = **PRESENCE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **SAVE** to save the setting.

   = Fade speed for presence scene is saved.

   = The previous selection level appears.

4. To assign the fade speed to an absence scene, carry out steps 1–3, but select **ABSENCE** instead.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range (in seconds)	Factory setting
PRESENCE	0, 1, 3, 5, 7, 10, 15, 30, 60	0
ABSENCE	0, 1, 3, 5, 7, 10, 15, 30, 60	0

Table 9: **FADE OF KEY** setting options

5.6.3 Assigning the building service type

Path: SERVICE MENU / INTERNAL / CONFIGURATION / TYPE OF KEY

Figure 76: **TYPE OF KEY** settings level

– Start point: **TYPE OF KEY** settings level

1. Select **PRESENCE**.

   = **PRESENCE** illuminates.

2. Run your finger along the touchring until the desired building service type appears.

3. Select **SAVE** to save the setting.

   = Building service type for presence scene is saved.

   = The previous selection level appears.

4. To assign a building service type to an absence scene, carry out steps 1–3, but select **ABSENCE** instead.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 10: Selection of **TYPE OF KEY** setting options

5.6.4 Configuring on/off key behaviour when switched on

Path: SERVICE MENU / INTERNAL / CONFIGURATION / WAKE-UP REACTION

Figure 77: **WAKE-UP REACTION** settings level

– Start point: **WAKE-UP REACTION** settings level

1. Select **KEY**.

   = **KEY** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SAVE** to save the setting.

   = On/off key behaviour when switched on is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

KEY parameter	Description
PRESENCE SCENE	If an absence scene is enabled and the on/off key is pressed, a presence scene is recalled.
LAST SCENE	If the absence scene is enabled and the on/off key is pressed, the presence scene that was last enabled is recalled.

Table 11: **KEY** setting options

5.7 Configuring the on/off key LED

The behaviour of the on/off key LED can be adapted to suit individual requirements. You can configure whether the LED illuminates, under which conditions it illuminates and how bright it is.

5.7.1 Configuring LED behaviour

Path: SERVICE MENU / INTERNAL / CONFIGURATION / LED OF KEY

Figure 78: **LED OF KEY** settings level

– Start point: **LED OF KEY** settings level

1. Select **BEHAVIOUR**.

   = **BEHAVIOUR** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SAVE** to save the setting.

   = LED behaviour setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

BEHAVIOUR parameter	Description
ALWAYS ON	On/off key LED is always on.
ALWAYS OFF	On/off key LED is always off.
ON IF ABSENCE	On/off key LED only illuminates if an absence scene is enabled.
ON IF PRESENCE	On/off key LED only illuminates if a presence scene is enabled.

Table 12: **BEHAVIOUR** setting options

5.7.2 Configuring intensity

Path: SERVICE MENU / INTERNAL / CONFIGURATION / LED OF KEY

Figure 79: **LED OF KEY** settings level

– Start point: **LED OF KEY** settings level

1. Select **LEVEL**.

   = **LEVEL** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SAVE** to save the setting.

   = Intensity setting is saved.

   = The previous selection level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range	Factory setting
LEVEL	1, 2, 3, 4 (1 = very dark, 4 = very bright)	3

Table 13: **LEVEL** setting options

5.8 Locking/enabling the scene saving function

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SAVE SCENE

Figure 80: **SAVE SCENE** settings level

– Start point: **SAVE SCENE** settings level

= Option is illuminated.

1. To prevent scenes from being saved in the entry level, run your finger along the touchring until **LOCK** appears.
2. To allow scenes to be saved in the entry level, run your finger along the touchring until **ENABLE** appears.
3. Select **SAVE** to save the setting.

   = Setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range	Factory setting
SAVE SCENE	ENABLE, LOCK	LOCK

Table 14: **SAVE SCENE** setting options

5.9 Configuring the entry level

The entry level can be adapted so that all of the information and functions relevant for daily use can be accessed directly. You can configure how many scene, group and building service icons are displayed and in what order they appear. Scene and group names can be edited and set to be displayed or not displayed in the entry level. Group and building service icons can be created either manually or automatically by the LM-CIRIA control unit.

5.9.1 Scene icons

Up to 20 scene icons can be created for the entry level and displayed in any order.

5.9.1.1 Adding scene icons

Note
- If no more icons can be added, the message **MAXIMUM NUMBER OF KEYS** appears.

Path: SERVICE MENU / INTERNAL / OPERATION / ADD

Figure 81: **ADD** selection level

– Start point: **ADD** selection level

1. Select **SCENE**.

   = **SYMBOL** settings level appears.

Figure 82: **SYMBOL** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = On/off key LED illuminates.

   = **NAME** settings level appears.

   = The next available position in the default scene name illuminates.

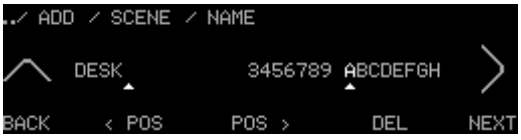


Figure 83: **NAME** settings level

4. Run your finger along the touchring until the desired letter or number for the desired position in the name is illuminated.
5. Press the on/off key to accept the letter/number.

   = The letter or number is accepted.

= The next position illuminates.

6. To move to a particular position in the name, select **< POS** or **POS >**.
7. Press the on/off key to accept the letter/number.

   = The corresponding position illuminates.
8. Repeat steps 4 and 5 until the name has been completely entered.

Note
- To delete a letter or number, move to that position and then select **DEL**.

9. Select **NEXT**.

   = **NUMBER** settings level appears.

   = Option is illuminated.

Figure 84: **NUMBER** settings level

10. Run your finger along the touchring until the desired number appears.
11. Select **NEXT**.

    = **TYPE** settings level appears.

    = Option is illuminated.

Figure 85: **TYPE** settings level

12. Run your finger along the touchring until the desired building service type appears.
13. Select **NEXT**.

    = **FADE** settings level appears.

    = Option is illuminated.

Figure 86: **FADE** settings level

14. Run your finger along the touchring until the desired number appears.
15. Select **SAVE** to save the settings.

= The message **SAVED** briefly appears.

= Settings are saved.

= The new scene icon can be accessed in the entry level.

= The previous selection level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range
NUMBER	1, 2, 3, ... 20

Table 15: **NUMBER** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 16: Selection of **TYPE** setting options

Parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 17: **FADE** setting options

5.9.1.2 Changing scene icons

Path: SERVICE MENU / INTERNAL / OPERATION

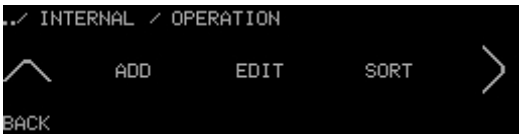


Figure 87: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **EDIT**.

   = **EDIT** settings level appears.

   = Option is illuminated.

Figure 88: **EDIT** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = **SYMBOL** settings level appears.

4. To change the icon and adjust other settings, see Section 5.9.1.1 Adding scene icons.

5.9.1.3 Arranging scene icons

Path: SERVICE MENU / INTERNAL / OPERATION

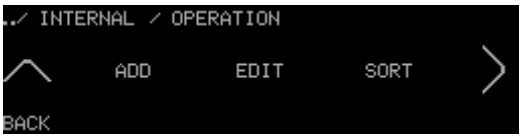


Figure 89: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **SORT**.

   = **SORT** settings level appears.

Figure 90: **SORT** settings level

2. Select the icon to be moved.

   = Icon illuminates.

   = Icon freezes in the centre of the touchscreen.

3. Run your finger along the touchring.

   = The other icons change position.

4. When the selected icon reaches the desired position, touch it again.

   = Icon is no longer illuminated.

   = Icon is set to the new position.

5. Repeat steps 2–4 until all icons are arranged as desired.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Settings are saved.

   = Scene icons are rearranged in the entry level.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Only the icon in the centre of the touchscreen can be selected for rearrangement.
- The numbers under the icons represent the order of the icons.

5.9.1.4 Deleting scene icons

Path: SERVICE MENU / INTERNAL / OPERATION

Figure 91: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **DELETE**.

   = **DELETE** settings level appears.

Figure 92: **DELETE** settings level

2. Run your finger along the touchring until the icon to be deleted appears.
3. Select the icon.

   = Icon illuminates.

4. Select **DEL**.

   = Selection confirmation appears.

5. Select **YES**.

   = The message **SAVED** briefly appears.

   = The deleted scene icon can no longer be accessed in the entry level.

   = The previous selection level appears.

Notes

- Several icons can be deleted at the same time: in step 3, select all icons to be deleted.

5.9.2 Building service icons (manual)

Building service icons can be created for the entry level and displayed in any order. This section describes how to create icons manually. Section 5.9.5 Group and building service icons (automatic)- describes how to create building service icons automatically.

5.9.2.1 Adding building service icons

Note
- If no more icons can be added, the message **MAXIMUM NUMBER OF KEYS** appears.

Path: SERVICE MENU / INTERNAL / OPERATION / ADD

Figure 93: **ADD** selection level

– Start point: **ADD** selection level

1. Select **BUILDING SERVICE**.

   = **SYMBOL** settings level appears.

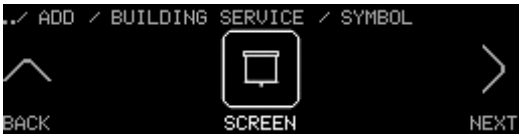


Figure 94: **SYMBOL** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = On/off key LED illuminates.

   = **NAME** settings level appears.

   = The next available position in the default building service name illuminates.

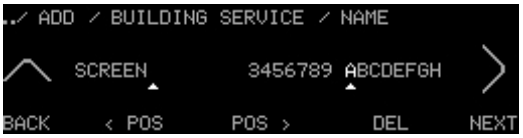


Figure 95: **NAME** settings level

4. Run your finger along the touchring until the desired letter or number for the desired position in the name is illuminated.
5. Press the on/off key to accept the letter/number.

   = The letter or number is accepted.

   = The next position illuminates.

6. To move to a particular position in the name, select **< POS** or **POS >**.

   = The corresponding position illuminates.

7. Repeat steps 4 and 5 until the name has been completely entered.

8. Select **NEXT**.

   = **TYPE** settings level appears.

   = Option is illuminated.

Figure 96: **TYPE** settings level

9. Run your finger along the touchring until the desired building service type appears.
10. Select **NEXT**.

    = **TOUCHRING DIR** settings level appears.

    = Option is illuminated.

Figure 97: **TOUCHRING DIR** settings level

11. Run your finger along the touchring until the desired setting appears.
12. Select **SAVE** to save the settings.

    = The message **SAVED** briefly appears.

    = Settings are saved.

    = The new building service icon can be accessed in the entry level.

    = The previous selection level appears.

Note

- Settings are only saved if **SAVE** is selected.

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 18: Selection of **TYPE** setting options

TOUCHRING DIR parameter	Description
NORMAL	If you run your finger clockwise along the touchring, the building service in operation will react as follows: Luminaires: brighten; colour temperature increases Blinds: move upwards If you run your finger anti-clockwise along the touchring, the building service in operation will react as follows: Luminaires: dim; colour temperature decreases Blinds: move downwards
INVERSE	If you run your finger along the touchring, the building service in operation will react in reverse to the **NORMAL** settings.

Table 19: **TOUCHRING DIR** setting options

5.9.2.2 Changing building service icons

Path: SERVICE MENU / INTERNAL / OPERATION

Figure 98: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **EDIT**.

   = **EDIT** settings level appears.

Figure 99: **EDIT** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = **SYMBOL** settings level appears.

4. To change the icon and adjust other settings, see Section 5.9.2.1 Adding building service icons.

5.9.2.3 Arranging building service icons

Path: SERVICE MENU / INTERNAL / OPERATION

Figure 100: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **SORT**.

   = **SORT** settings level appears.

Figure 101: **SORT** settings level

2. Select the icon to be moved.

   = Icon illuminates.

   = Icon freezes in the centre of the touchscreen.

3. Run your finger along the touchring.

   = The other icons change position.

4. When the selected icon reaches the desired position, touch it again.

   = Icon is no longer illuminated.

   = Icon is set to the new position.

5. Repeat steps 2–4 until all icons are arranged as desired.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Settings are saved.

   = Building service icons are rearranged in the entry level.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Only the icon in the centre of the touchscreen can be selected for rearrangement.
- The numbers under the icons represent the order of the icons.

5.9.2.4 Deleting building service icons

Path: SERVICE MENU / INTERNAL / OPERATION

Figure 102: **OPERATION** selection level

– Start point: **OPERATION** selection level

1. Select **DELETE**.

   = **DELETE** settings level appears.

Figure 103: **DELETE** settings level

2. Run your finger along the touchring until the icon to be deleted appears.
3. Select the icon.

   = Icon illuminates.

4. Select **DEL**.

   = Selection confirmation appears.

5. Select **YES**.

   = The message **SAVED** briefly appears.

   = The deleted building service icon can no longer be accessed in the entry level.

   = The previous selection level appears.

Note

- Several icons can be deleted at the same time: in step 3, select all icons to be deleted.

5.9.3 Group icons (manual)

Group icons can be created for the entry level and displayed in any order. This section describes how to create icons manually. Section 5.9.5 Group and building service icons (automatic) describes how to create group icons automatically.

5.9.3.1 Adding group icons

Path: SERVICE MENU / INTERNAL / GROUPS / ADD

Figure 104: **ADD** selection level

– Start point: **ADD** selection level

1. Select **GROUP**.

   = **SYMBOL** settings level appears.

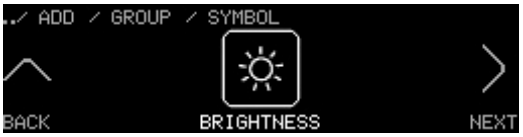


Figure 105: **SYMBOL** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = On/off key LED illuminates.

   = **NAME** settings level appears.

   = The next available position in the default building service name illuminates.

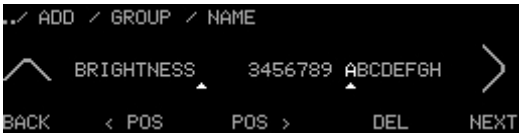


Figure 106: **NAME** settings level

4. Run your finger along the touchring until the desired letter or number for the desired position in the name is illuminated.
5. Press the on/off key to accept the letter/number.

   = The letter or number is accepted.

   = The next position illuminates.

6. To move to a particular position in the name, select **< POS** or **POS >**.

   = The corresponding position illuminates.

7. Repeat steps 4 and 5 until the name has been completely entered.
8. Select **NEXT**.

   = **NUMBER** settings level appears.

= Option is illuminated.

Figure 107: **NUMBER** settings level

9. Run your finger along the touchring until the desired number appears.
10. Select **NEXT**.

    = **TYPE** settings level appears.

    = Option is illuminated.

Figure 108: **TYPE** settings level

11. Run your finger along the touchring until the desired building service type appears.
12. Select **NEXT**.

    = **TOUCHRING DIRECTION** settings level appears.

    = Option is illuminated.

Figure 109: **TOUCHRING DIRECTION** settings level

13. Run your finger along the touchring until the desired setting appears.
14. Select **SAVE** to save the settings.

    = The message **SAVED** briefly appears.

    = Settings are saved.

    = The new building service icon can be accessed in the entry level.

    = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.

Parameter	Value range
NUMBER	1, 2, 3, ... 99

Table 20: **NUMBER** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 21: Selection of **TYPE** setting options

TOUCHRING DIRECTION parameter	Description
NORMAL	If you run your finger clockwise along the touchring, the building service in operation will react as follows: Luminaires: brighten; colour temperature increases Blinds: move upwards If you run your finger anti-clockwise along the touchring, the building service in operation will react as follows: Luminaires: dim; colour temperature decreases Blinds: move downwards
INVERSE	If you run your finger along the touchring, the building service in operation will react in reverse to the **NORMAL** settings.

Table 22: **TOUCHRING DIRECTION** setting options

5.9.3.2 Changing group icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 110: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **EDIT**.

   = **EDIT** settings level appears.

Figure 111: **EDIT** settings level

2. Run your finger along the touchring until the desired icon appears.

3. Select **NEXT**.

   = **SYMBOL** settings level appears.

4. To change the icon and adjust other settings, see Section 5.9.3.1 Adding group icons.

5.9.3.3 Arranging group icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 112: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **SORT**.

   = **SORT** settings level appears.

Figure 113: **SORT** settings level

2. Select the icon to be moved.

   = Icon illuminates.

   = Icon freezes in the centre of the touchscreen.

3. Run your finger along the touchring.

   = The other icons change position.

4. When the selected icon reaches the desired position, touch it again.

   = Icon is no longer illuminated.

   = Icon is set to the new position.

5. Repeat steps 2–4 until all icons are arranged as desired.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Settings are saved.

   = Group icons are rearranged in the entry level.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Only the icon in the centre of the touchscreen can be selected for rearrangement.
- The numbers under the icons represent the order of the icons.

5.9.3.4 Deleting group icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 114: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **DELETE**.

   = **DELETE** settings level appears.

Figure 115: **DELETE** settings level

2. Run your finger along the touchring until the icon to be deleted appears.
3. Select the icon.

   = Icon illuminates.

4. Select **DEL**.

   = Selection confirmation appears.

5. Select **YES**.

   = The message SAVED briefly appears.

   = The deleted group icon can no longer be accessed in the entry level.

   = The previous selection level appears.

Note

- Several icons can be deleted at the same time: in step 3, select all icons to be deleted.

5.9.4 Bus address icons

Bus address icons can be created for the entry level and displayed in any order.

5.9.4.1 Adding bus address icons

Note

- If no more icons can be added, the message **MAXIMUM NUMBER OF KEYS** appears.

Path: SERVICE MENU / INTERNAL / GROUPS / ADD

Figure 116: **ADD** selection level

– Start point: **ADD** selection level

1. Select **BUS ADDR.**

   = **SYMBOL** settings level appears.

Figure 117: **SYMBOL** settings level

2. Run your finger along the touchring until the desired icon appears.
3. Select **NEXT**.

   = On/off key LED illuminates.

   = **NAME** settings level appears.

   = The next available position in the default building service name illuminates.

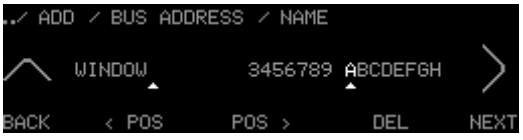


Figure 118: **NAME** settings level

4. Run your finger along the touchring until the desired letter or number for the desired position in the name is illuminated.
5. Press the on/off key to accept the letter/number.

   = The letter or number is accepted.

   = The next position illuminates.

6. To move to a particular position in the name, select **< POS** or **POS >**.

   = The corresponding position illuminates.

7. Repeat steps 4 and 5 until the name has been completely entered.
8. Select **NEXT**.

= **BUS ADDRESS** settings level appears.

= Option is illuminated.

Figure 119: **BUS ADDRESS** settings level

9. Run your finger along the touchring until the desired number appears.
10. Select **NEXT**.

    = **TYPE** settings level appears.

    = Option is illuminated.

Figure 120: **TYPE** settings level

11. Run your finger along the touchring until the desired building service type appears.
12. Select **NEXT**.

    = **TOUCHRING DIRECTION** settings level appears.

    = Option is illuminated.

Figure 121: **TOUCHRING DIRRECTION** settings level

13. Run your finger along the touchring until the desired setting appears.
14. Select **SAVE** to save the settings.

    = The message **SAVED** briefly appears.

    = Settings are saved.

    = The new building service icon can be accessed in the entry level.

    = The previous selection level appears.

Note
- Settings are only saved if **SAVE** is selected.

Parameter	Value range
NUMBER	1, 2, 3, ... 99

Table 23: **NUMBER** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 24: Selection of **TYPE** setting options

TOUCHRING DIR parameter	Description
NORMAL	If you run your finger clockwise along the touchring, the building service in operation will react as follows: Luminaires: brighten; colour temperature increases Blinds: move upwards If you run your finger anti-clockwise along the touchring, the building service in operation will react as follows: Luminaires: dim; colour temperature decreases Blinds: move downwards
INVERSE	If you run your finger along the touchring, the building service in operation will react in reverse to the **NORMAL** settings.

Table 25: **TOUCHRING DIR** setting options

5.9.4.2 Changing bus address icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 122: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **EDIT**.

   = **EDIT** settings level appears.

Figure 123: **EDIT** settings level

2. Run your finger along the touchring until the desired icon appears.

3. Select **NEXT**.

   = **SYMBOL** settings level appears.

4. To change the icon and adjust other settings, see Section 5.9.4.1 Adding bus address icons.

5.9.4.3 Arranging bus address icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 124: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **SORT**.

   = **SORT** settings level appears.

Figure 125: **SORT** settings level

2. Select the icon to be moved.

   = Icon illuminates.

   = Icon freezes in the centre of the touchscreen.

3. Run your finger along the touchring.

   = The other icons change position.

4. When the selected icon reaches the desired position, touch it again.

   = Icon is no longer illuminated.

   = Icon is set to the new position.

5. Repeat steps 2–4 until all icons are arranged as desired.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Settings are saved.

   = Bus address icons are rearranged in the entry level.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Only the icon in the centre of the touchscreen can be selected for rearrangement.
- The numbers under the icons represent the order of the icons.

5.9.4.4 Deleting bus address icons

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 126: **GROUPS** selection level

– Start point: **GROUPS** selection level

1. Select **DELETE**.

   = **DELETE** settings level appears.

Figure 127: **DELETE** settings level

2. Run your finger along the touchring until the icon to be deleted appears.
3. Select the icon.

   = Icon illuminates.

4. Select **DEL**.

   = Selection confirmation appears.

5. Select **YES**.

   = The message **SAVED** briefly appears.

   = The deleted bus address icon can no longer be accessed in the entry level.

   = The previous selection level appears.

Note

- Several icons can be deleted at the same time: in step 3, select all icons to be deleted.

5.9.5 Group and building service icons (automatic)

Group and building service icons for the entry level can be automatically created. This section describes how to create icons automatically through the LM-CIRIA control unit. Sections 5.9.2 Building service icons (manual) and 5.9.3 Group icons (manual) describe how to create icons manually.

5.9.5.1 Recreating icons

Note

- To configure the group and building service icons, it is recommended to commission the field level first (see Section 6 Commissioning the field level).

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SYMBOL BUILD-UP

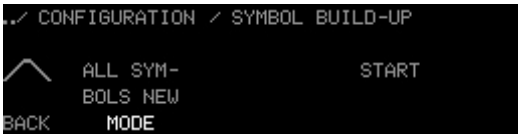


Figure 128: **SYMBOL BUILD-UP** settings level

– Start point: **SYMBOL BUILD-UP** settings level

= **MODE** illuminates.

1. Run your finger along the touchring until **ALL SYMBOLS NEW** appears.
2. Select **START**.

   = Selection confirmation appears.
3. Select **YES**.

   = The data for all addresses and for the building service type on the LM-Bus are imported.

   = The status display appears until all addresses are imported.

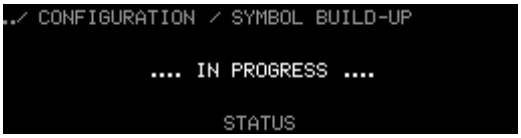


Figure 129: Status display **... IN PROGRESS ....**

= When the data for all addresses and for the building service types have been imported, the previous selection level appears.

MODE parameter	Description
ALL SYMBOLS NEW	All addresses on the LM-Bus are imported. The existing group and building service icons are written over.
EXTEND SYMBOLS	The list of existing group and building service icons is expanded. The existing icons remain unaffected.

Table 26: **MODE** setting options

Notes

- Only addresses with the same room number as the LM-CIRIA control unit are imported. If no room number is assigned to the LM-CIRIA control unit, the message **NO ROOM ADDRESS** is displayed.
- If the LM-CIRIA control unit has only been assigned a room address, only the group addresses existing in this room will be imported.
- If the LM-CIRIA control unit has been assigned a room and group address, only the bus addresses existing in this room and in this group will be imported.

5.9.5.2 Expanding the list of icons

Note

- To configure the group and building service icons, it is recommended to commission the field level first (see Section 6 Commissioning the field level).

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SYMBOL BUILD-UP

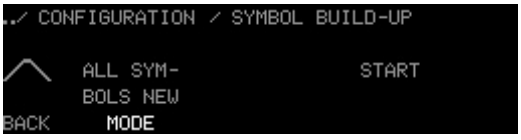


Figure 130: **SYMBOL BUILD-UP** settings level

– Start point: **SYMBOL BUILD-UP** settings level

1. Select **MODE**.

   = **MODE** illuminates.

2. Run your finger along the touchring until **EXTEND SYMBOLS** appears.

3. Select **START**.

   = New addresses on the LM-Bus are imported.

   = The status display appears until all addresses are imported.

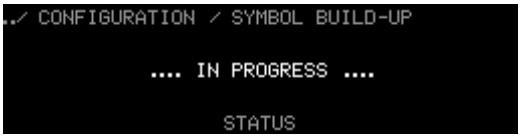


Figure 131: Status display **... IN PROGRESS ....**

   = When the data for all addresses and for the building service types have been imported, the previous selection level appears.

Notes

- Only addresses with the same room number as the LM-CIRIA control unit are imported. If no room number is assigned to the LM-CIRIA control unit, the message **NO ROOM ADDRESS** is displayed.
- If the LM-CIRIA control unit has only been assigned a room address, only the group addresses existing in this room will be imported.
- If the LM-CIRIA control unit has been assigned a room and group address, only the bus addresses existing in this room and in this group will be imported.

5.9.5.3 Changing, arranging or deleting icons

Group and building service icons can be changed, rearranged or deleted as desired. These options are carried out manually and are described in Sections 5.9.2 Building service icons (manual) and 5.9.3 Group icons (manual)

5.9.6 Group numbers

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / NUMBERS OF GROUP SYMBOLS

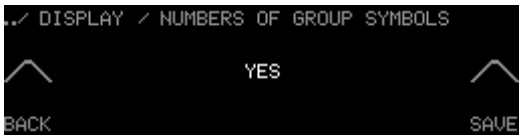


Figure 132: **NUMBERS OF GROUP SYMBOLS** settings level

– Start point: **NUMBERS OF GROUP SYMBOLS** settings level

= Option is illuminated.

1. To display the group numbers in the selection level, run your finger along the touchring until **YES** appears.
2. To hide the group numbers in the selection level, run your finger along the touchring until **NO** appears.
3. Select **SAVE** to save the setting.

   = Setting is saved.

   = The previous selection level appears.

Note

- Settings are only saved if **SAVE** is selected.

Parameter	Value range	Factory setting
NUMBERS OF GROUP SYMBOLS	YES, NO	YES

Table 27: **NUMBERS OF GROUP SYMBOLS** setting options

5.9.7 Footer

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / FOOTER

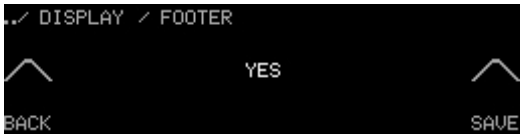


Figure 133: **FOOTER** settings level

– Start point: **FOOTER** settings level

  = Option is illuminated.

1. To display the footer in the entry level, run your finger along the touchring until **YES** appears.
2. To hide the footer in the entry level, run your finger along the touchring until **NO** appears.
3. Select **SAVE** to save the setting.

   = Setting is saved.

   = The previous selection level appears.

Note

- Settings are only saved if **SAVE** is selected.

Parameter	Value range	Factory setting
FOOTER	YES, NO	YES

Table 28: **FOOTER** setting options

5.9.8 Time

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / TIME

Figure 134: **TIME** settings level

– Start point: **TIME** settings level

  = Option is illuminated.

1. To display the time in the entry level, run your finger along the touchring until **YES** appears.
2. To hide the time in the entry level, run your finger along the touchring until **NO** appears.
3. Select **SAVE** to save the setting.

   = Setting is saved.

   = The previous selection level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- The time can only be displayed if the system has an internal clock.

Parameter	Value range	Factory setting
TIME	YES, NO	YES

Table 29: **TIME** setting options

5.9.9 Room temperature

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / TEMPERATURE

Figure 135: **TEMPERATURE** settings level

– Start point: **TEMPERATURE** settings level

= Option is illuminated.

1. To display the room temperature in the entry level, run your finger along the touchring until **YES** appears.
2. To hide the room temperature in the entry level, run your finger along the touchring until **NO** appears.
3. Select **SAVE** to save the setting.

   = Setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- The room temperature can only be displayed if the system has a room temperature sensor.

Parameter	Value range	Factory setting
TEMPERATURE	YES, NO	NO

Table 30: **TEMPERATURE** setting options

5.10 Configuring the touchscreen

The behaviour of the touchscreen can be adapted to suit individual requirements. You can configure how the touchscreen reacts when it is touched. The display can also be configured so that it can be easily read and is protected during longer periods of disuse.

5.10.1 Brightness

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / BRIGHTNESS

Figure 136: **BRIGHTNESS** settings level

– Start point: **BRIGHTNESS** settings level

  = Option is illuminated.

1. Run your finger along the touchring until the desired setting appears.
2. Select **SAVE** to save the setting.

   = Touchscreen brightness is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- The setting takes effect immediately.

Parameter	Value range	Factory setting
BRIGHTNESS	1, 2, 3, 4 (1 = very dark, 4 = very bright)	3

Table 31: **BRIGHTNESS** setting options

5.10.2 Screensaver

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / SCREENSAVER

Figure 137: **SCREENSAVER** settings level

– Start point: **SCREENSAVER** settings level

1. Select **BEHAVIOUR**.

   = **BEHAVIOUR** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **WAIT FOR**.

   = **WAIT FOR** illuminates.

4. Run your finger along the touchring until the desired setting appears.

5. Select **SAVE** to save the settings.

   = Screensaver setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

BEHAVIOUR parameter	Description
INACTIVE	The current touchscreen display remains visible.
DYNAMIC	The name of the recalled scene is displayed at intervals on the screensaver.
DARK	The screensaver is enabled; the touchscreen is dark.

Table 32: **BEHAVIOUR** setting options

Parameter	Value range	Factory setting
WAIT FOR	1, 2, 3, ... 99	20 MINUTES

Table 33: **WAIT FOR** setting options

5.10.3 Action click

Path: SERVICE MENU / INTERNAL / CONFIGURATION / ACTION CLICK

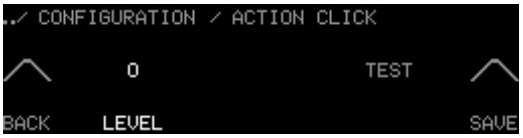


Figure 138: **ACTION CLICK** settings level

– Start point: **ACTION CLICK** settings level

  = **LEVEL** is illuminated.

1. Run your finger along the touchring until the desired setting appears.
2. Select **TEST** to check the action click volume level.

   = An action click is heard at its set level.
3. Select **SAVE** to save the setting.

   = Action click setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- The action click setting applies to both the touchring and the touchscreen buttons.

Parameter	Value range	Factory setting
LEVEL	0, 1, 2, 3, 4 (0 = no action click, 4 = loud action click)	0

Table 34: **LEVEL** setting options

5.10.4 Touch reaction

Path: SERVICE MENU / INTERNAL / CONFIGURATION / TOUCH REACTION

Figure 139: **TOUCH REACTION** settings level

– Start point: **TOUCH REACTION** settings level

1. Select **DELAY**.

   = **DELAY** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SENSITI.**

   = **SENSITI.** illuminates.

4. Run your finger along the touchring until the desired setting appears.

5. To check the delay time and sensitivity of the touchscreen, select **TEST** within 20 seconds.

   = Countdown begins from 20 seconds to 0 seconds.

6. Select **SAVE** within these 20 seconds to save the settings.

   = Settings are saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected within 20 seconds.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range (in milliseconds)	Factory setting
DELAY	00, 10, 20, 30, ... 500	00 MS

Table 35: **DELAY** setting options

Parameter	Value range	Factory setting
SENSITI.	1, 2, 3 (1 = low sensitivity, 3 = high sensitivity)	2

Table 36: **SENSITI.** setting options

5.11 Setting the password

Path: SERVICE MENU / INTERNAL / CONFIGURATION / PASSWORD

Figure 140: **PASSWORD** settings level

– Start point: **PASSWORD** settings level

  = The first position of the six-character password illuminates.

  = On/off key LED illuminates.

1. Run your finger along the touchring until the desired letter or number for the first position of your password is illuminated.
2. Press the on/off key to accept the letter/number.

   = The letter or number is accepted.

   = The next password position illuminates.
3. To move to a particular position in the password, select **< POS** or **POS >**.

   = The corresponding position illuminates.
4. Repeat steps 1 and 2 until the password has been completely entered.
5. Select **SAVE** to save the password.

   = The message **SAVED** briefly appears.

   = Password is saved.

   = The previous selection level appears.

Notes
- To delete a position in your password, select the position and then **DEL**.
- Settings are only saved if **SAVE** is selected.
- Other letters and special characters can be accessed by running your finger along the touchring.

5.12 Setting return timeout

Path: SERVICE MENU / INTERNAL / CONFIGURATION / RETURN TIMEOUT

Figure 141: **RETURN TIMEOUT** settings level

– Start point: **RETURN TIMEOUT** settings level

1. To set the return timeout to the first entry level for the service menu and within the entry levels, select **SERVICE**.

   = **SERVICE** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. To set the return timeout to the entry level from the **GROUPS** selection level, select **OP.LEVEL**.

   = **OP.LEVEL** illuminates.

4. Run your finger along the touchring until the desired setting appears.

5. Select **SAVE** to save the settings.

   = Return timeouts are saved.

   = The previous selection level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

SERVICE parameter	Value range (in minutes)	Factory setting
SERVICE	1, 2, 3, ... 60	10 MINUTES

Table 37: **SERVICE** setting options

OP.LEVEL parameter	Value range (in seconds)	Factory setting
OP.LEVEL	1, 2, 3, ... 250	30 SECONDS

Table 38: **OP.LEVEL** setting options

5.13 Resetting to factory settings

Note

- If the LM-CIRIA control unit is reset to its factory settings, all parameter values configured by the user except the language setting will be lost.

Path: SERVICE MENU / INTERNAL / CONFIGURATION / FACTORY RESET

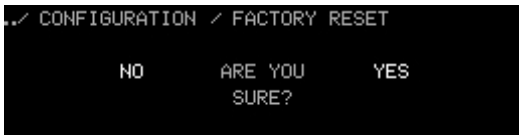


Figure 142: **FACTORY RESET** settings level

– Start point: **FACTORY RESET** settings level

1. Select **YES** to reset the LM-CIRIA control unit to its factory settings.

   = The LM-CIRIA control unit is reset to its factory settings.

   = The previous selection level appears.

1. Select **NO** if you do not wish to reset the LM-CIRIA control unit to its factory settings.

   = The previous selection level appears.

   = The LM-CIRIA control unit retains the parameter values configured by the user.

6 Commissioning the field level

The field level may only be commissioned by service personnel authorised by Zumtobel.

The field level is commissioned via the service menu. You must log in to the LM-CIRIA control unit to access this menu. Once you have logged in, the selection and settings levels can be accessed via the buttons. In this manual, service menu settings level locations are given in the form of a path. For easy orientation, the most important part of the path is displayed in the touchscreen header.

Example:

Path: SERVICE MENU / EXTERNAL / ASSIGN ADDRESS / OUTPUTS

Description:

1. Log in.

2. Select **EXTERNAL**.

3. Select **ASSIGN ADDRESS**.

4. Select **OUTPUTS**.

Different parameter values are often available for commissioning the field level. These parameter values are listed for the associated parameter. Parameter values in grey are the factory settings for the control unit.

Example:

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
...	...

Table 39: **TYPE** setting options

The **BRIGHTNESS** parameter value is the factory setting in this example.

6.1 Outputs

The LM-CIRIA control unit allows for outputs to be easily addressed and re-grouped and for their addresses to be easily checked.

6.1.1 Addressing

Path: SERVICE MENU / EXTERNAL / ASSIGN ADDRESS / OUTPUTS

Figure 143: **OUTPUTS** settings level

– Start point: **OUTPUTS** settings level

  = The room address (**ROOM**) is displayed in the header.

  = On/off key LED illuminates.

Note

- If there are DALI operating devices in the system without a DALI short address, they will first be automatically assigned a DALI short address. This automatic addressing occurs before the addressing described here and is displayed in the touchscreen header as DALI INIT. The automatic assignment of the DALI short address may take several minutes depending on the number of DALI operating devices.

1. Select **TYPE** to choose the building service type for the unaddressed output.

   = **TYPE** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Remove your finger from the touchring.

   = **BUS ADDR.** illuminates.

   = An available bus address is displayed.

   = The output to be addressed responds (e.g. luminaire brightens to 100%).

   = The output's production number **(P:)** appears in the header.

4. Run your finger along the touchring until the desired bus address appears.

5. Select **GROUP**.

   = **GROUP** illuminates.

6. Run your finger along the touchring until the desired group address appears.

7. Press the on/off key to save the settings.

   = The message **SAVED** briefly appears.

   = Room, group and bus addresses are saved for the output.

   = The next unaddressed output of the same building service type responds.

8. Select **NEXT** if you do not wish to address this output.

= The next unaddressed output of the same building service type responds.

9. Repeat steps 1–7 to address the remaining outputs.

Note
- The outputs automatically take the room address of the LM-CIRIA control unit.

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 40: Selection of **TOUCHRING TYPE** setting options

Parameter	Value range
GROUP	1 – 99
BUS ADDR.	1 – 99

Table 41: **OUTPUTS** setting options

6.1.2 Checking addresses

Path: SERVICE MENU / EXTERNAL / RE-GROUP AND CHECK

Figure 144: **RE-GROUP AND CHECK** settings level

– Start point: **RE-GROUP AND CHECK** settings level

  = **BUS ADDR.** illuminates.

1. Run your finger along the touchring until the desired bus address appears.

   = Group address appears.

2. Select **CHECK POSSIBLE**.

3. Press the on/off key multiple times.

   = Output status changes when the key is pressed (e.g. luminaire adjusts between 100% and 0%).

4. Run your finger along the touchring.

   = Output status changes (e.g. luminaire brightens or dims).

5. If the address is correct, select **BACK**.

   = The previous selection level appears.

Note

• The address can be changed if it is found to be incorrect (see Section 6.1.3 Re-grouping).

Parameter	Value range
BUS ADDR.	Bus addresses available in the room

Table 42: **RE-GROUP AND CHECK** setting options

6.1.3 Re-grouping

Path: SERVICE MENU / EXTERNAL / RE-GROUP AND CHECK

Figure 145: **RE-GROUP AND CHECK** settings level

– Start point: **RE-GROUP AND CHECK** settings level

= **BUS ADDR.** illuminates.

1. Run your finger along the touchring until the desired bus address appears.

   = Group address appears.

2. Select **GROUP**.

   = **GROUP** illuminates.

3. Run your finger along the touchring until the desired group address appears.

4. Select **SAVE**.

   = The message **SAVED** briefly appears.

   = The new group address is saved for the output.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- No new icons are created when re-grouping takes place.
- If a non-existent group address is selected, a new icon must be configured for the address (manually or using SYMBOL BUILD-UP).

Parameter	Value range
GROUP	0,1,2,3,...99
BUS ADDR.	Bus addresses available in the room

Table 43: **RE-GROUP AND CHECK** setting options

6.2 Assigning and configuring inputs

Path: SERVICE MENU / EXTERNAL / ASSIGN ADDRESS / INPUTS

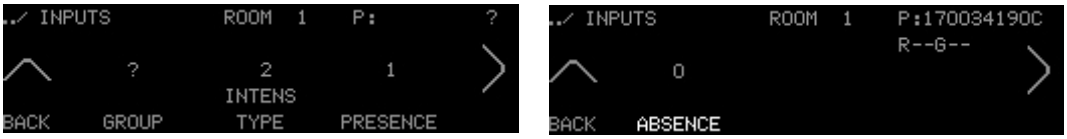


Figure 146: **INPUTS** settings level

– Start point: **INPUTS** settings level

  = The room address (**ROOM**) is displayed in the header.

  = On/off key LED illuminates.

1. Press the on/off key of the unaddressed input twice.

   = The input's production number **(P:)** appears in the header.

2. Run your finger along the touchring until the desired group address appears.
3. Select **TYPE** to assign a building service type to the input.

   = **TYPE** illuminates.

4. Run your finger along the touchring until the desired setting appears.
5. Select **PRESENCE** to assign a presence scene to the input.

   = **PRESENCE** illuminates.

6. Run your finger along the touchring until the desired number appears.
7. Select > to assign an absence scene to the input.

   = **ABSENCE** appears.

8. Select **ABSENCE** to assign an absence scene to the input.

   = **ABSENCE** illuminates.

9. Run your finger along the touchring until the desired number appears.
10. Press the on/off key of the LM-CIRIA control unit to save the settings.

    = The message **SAVED** briefly appears.

    = Input is assigned and configured.

Note

- The inputs automatically take the room address of the LM-CIRIA control unit.

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 44: Selection of **TYPE** setting options

Parameter	Value range	Factory setting
GROUP	0 – 99	--
PRESENCE	1 – 20	1
ABSENCE	0 – 20	0

Table 45: **INPUTS** setting options

6.3 Deleting addresses

Path: SERVICE MENU / EXTERNAL / DELETE ADDRESS

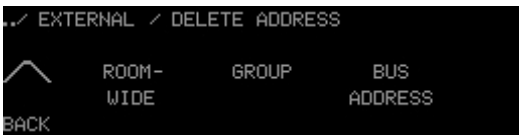


Figure 147: **DELETE ADDRESS** selection level

Option	Description
ROOM-WIDE	All input and output addresses (RGA address) in the room are deleted.
GROUP	All input and output addresses (RGA address) within a selected group and the group address itself are deleted.
BUS ADDRESS	The address (RGA address) of a selected output is deleted.

Table 46: **DELETE ADDRESS** selection options

Deleting all addresses in a room

Note
- This process deletes all addresses in the room to which the LM-CIRIA control unit is assigned, i.e. the addresses of both the inputs and the outputs.

– Start point: **DELETE ADDRESS** selection level

1. Select **ROOM-WIDE**.

   = **ROOM-WIDE** settings level appears.

   = The room address of the LM-CIRIA control unit is displayed.

   = **ROOM** illuminates.

2. Select **DEL**.

   = Selection confirmation appears.

3. Select **YES**.

   = All addresses for the room are deleted.

   = The previous selection level appears.

Note
- The room and group address of the LM-CIRIA control unit are not deleted.

Deleting group addresses within a room

Note

- This process deletes all addresses within a group and the group address itself, i.e. the addresses of both the inputs and the outputs.

– Start point: **DELETE ADDRESS** selection level

1. Select **GROUP**.

   = **GROUP** settings level appears.

   = The room address of the LM-CIRIA control unit is displayed.

   = **GROUP** illuminates.

2. Run your finger along the touchring until the desired group address appears.
3. Select **DEL**.

   = Selection confirmation appears.

4. Select **YES**.

   = All addresses within the group and the group address itself are deleted.

   = The previous selection level appears.

Deleting bus addresses within a room

– Start point: **DELETE ADDRESS** selection level

1. Select **BUS ADDR.**

   = **BUS ADDRESS** settings level appears.

   = The room address of the LM-CIRIA control unit is displayed.

   = **BUS ADDR.** illuminates.

2. Run your finger along the touchring until the desired bus address appears.
3. Select **DEL**.

   = Selection confirmation appears.

4. Select **YES**.

   = Bus address is deleted.

   = The previous selection level appears.

6.4 Assigning fade speed

Path: SERVICE MENU / EXTERNAL / FADE

Figure 148: **FADE** settings level

– Start point: **FADE** settings level

1. Select **SCENE**.

   = **SCENE** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **FADE**.

   = **FADE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Fade speed is established, assigned to at least one scene and saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- Selecting SAVE assigns the set fade speed to the control units located in the same room (room address) as the LM-CIRIA.

SCENE parameter	Description
ALL	The set fade speed is applied to all scenes.
PRESENCE	The set fade speed is applied to the presence scene.
ABSENCE	The set fade speed is applied to the absence scene.
1 – 20	The set fade speed is applied to the scene with the selected number.

Table 47: **SCENE** setting options

FADE parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 48: **FADE** setting options

6.5 Setting the time

Path: SERVICE MENU / EXTERNAL / TIME

Figure 149: **TIME** settings level

– Start point: **TIME** settings level

1. Select **HOUR**.

   = **HOUR** illuminates.

2. Run your finger along the touchring until the desired hour appears.

3. Select **MINUTE**.

   = **MINUTE** illuminates.

4. Run your finger along the touchring until the desired minute appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Time setting is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- The time can only be displayed if the system has an internal clock.

Parameter	Value range
HOUR	0 – 23
MINUTE	0 – 59

Table 49: **TIME** setting options

6.6 Setting the date

Path: SERVICE MENU / EXTERNAL / DATE

Figure 150: **DATE** settings level

– Start point: **DATE** settings level

1. Select **DAY**.

   = **DAY** illuminates.

2. Run your finger along the touchring until the desired day appears.

3. Select **MONTH**.

   = **MONTH** illuminates.

4. Run your finger along the touchring until the desired month appears.

5. Select **YEAR**.

   = **YEAR** illuminates.

6. Run your finger along the touchring until the desired year appears.

7. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Date is saved.

   = The previous selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- The date can only be displayed if the system has an internal clock.

Parameter	Value range
DAY	1 – 31
MONTH	1 – 12
YEAR	2009, 2010, 2011, ...

Table 50: **DATE** setting options

6.7 Saving scenes

– Enable the scene saving function (see Section 5.8 Locking/enabling the scene saving function).

– Start point: entry level

Figure 151: Entry level

1. Select and hold the icon for the scene to be saved for 7–12 seconds.

   = Navigation buttons blink.

   = Action click can be heard every 0.5 second.

2. After 7–12 seconds, remove your finger from the touchscreen.

   = Scene settings are saved.

Note

- To avoid inadvertently saving a scene, the scene saving function can be locked (see Section 5.8 Locking/enabling the scene saving function).

6.8 Configuring the LM-ZSM time control device

You can configure scenes to be automatically recalled depending on the time and room conditions. The LM-CIRIA control unit enables configuration to be written to the external time control device. These switch entries are carried out by the LM-ZSM time control device.

6.8.1 Creating switch entries

Path: SERVICE MENU / EXTERNAL / LM-ZSM

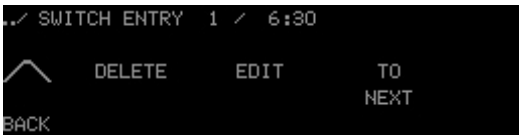


Figure 152: **SWITCH ENTRY** selection level

Setting the start time

– Start point: **SWITCH ENTRY** selection level

1. To create the first switch entry, go directly to step 2. To add a switch entry, select **TO NEXT** until a switch entry appears in the header with a start time of **--:--**.
2. Select **EDIT**.

   = **START TIME** settings level appears.

Figure 153: **START TIME** settings level

3. Select **HOUR**.

   = **HOUR** illuminates.

4. Run your finger along the touchring until the desired number appears.
5. Select **MINUTE**.

   = **MINUTE** illuminates.

6. Run your finger along the touchring until the desired number appears.
7. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Switch entry start time is saved.

   = **SCENE CALL** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range
HOUR	0 – 23
MINUTE	0 – 59

Table 51: **START TIME** setting options

Defining the condition

Figure 154: **SCENE CALL** settings level

Note
- The condition under which a specified scene is to be recalled is defined here. The scene is only recalled if the condition is met at the set start time.

– Start point: **SCENE CALL** settings level

1. Select **CONDITION**.

   = **CONDITION** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SCENE**.

   = **SCENE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = The condition and scene to be recalled are saved.

   = **SWITCH TIME - FADE** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

CONDITION parameter	Description
ALL	The set scene is recalled regardless of which scene is enabled at the start time.
PRESENCE	The set scene is only recalled if the presence scene is enabled at the start time.
ABSENCE	The set scene is only recalled if the absence scene is enabled at the start time.
1 – 20	The set scene is only recalled if the scene with the selected number is enabled at the start time.

Table 52: **CONDITION** setting options

SCENE parameter	Description
PRESENCE	The presence scene is recalled if the condition is met at the start time.
ABSENCE	The absence scene is recalled if the condition is met at the start time.
1 – 20	The scene with the selected number is recalled if the condition is met at the start time.

Table 53: **SCENE** setting options

Setting day(s) and fade speed

Figure 155: **SWITCH TIME - FADE** settings level

Note
- The day(s) on which the scene is recalled and the fade speed with which the scene is recalled are defined here. The scene is only recalled on the set day(s) and only if the condition is met at the set start time.

– Start point: **SWITCH TIME - FADE** settings level

1. Select **WHEN**.

   = WHEN illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **FADE**.

   = **FADE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Day and fade speed settings are saved.

   = **GROUP - TYPE** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range	Factory setting
WHEN	ALWAYS, MO, TU, WE, TH, FR, SA, MO-FR, SA-SU	ALWAYS

Table 54: **WHEN** setting options

FADE parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 55: **FADE** setting options

Assigning group and building service type

Figure 156: **GROUP - TYPE** settings level

– Start point: **GROUP - TYPE** settings level

1. Select **GROUP**.

   = **GROUP** illuminates.

2. Run your finger along the touchring until the desired group address appears.

3. Select **TYPE**.

   = **TYPE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Group and building service type are assigned and saved.

   = **SWITCH ENTRY** selection level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.

Parameter	Value range
GROUP	Available group address in the room to which the LM-CIRIA control unit is assigned

Table 56: **GROUP** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 57: Selection of **TYPE** setting options

6.8.2 Editing switch entries

Path: SERVICE MENU / EXTERNAL / LM-ZSM

Figure 157: **SWITCH ENTRY** selection level

– Start point: **SWITCH ENTRY** selection level

1. Select and hold **TO NEXT** until the switch entry to be edited appears in the header.
2. Select **EDIT**.

   = **START TIME** settings level appears.
3. To edit the switch entry, proceed as described in Section 6.8.1 Creating switch entries.

6.8.3 Deleting switch entries

Path: SERVICE MENU / EXTERNAL / LM-ZSM

Figure 158: **SWITCH ENTRY** selection level

– Start point: **SWITCH ENTRY** selection level

1. Select and hold **TO NEXT** until the switch entry to be deleted appears in the header.
2. Select **DELETE**.

   = Switch entry is deleted in the LM-ZSM time control device.

   = The previous selection level appears.

6.9 Configuring the LM-ZSQ sequencer

You can configure scene sequences to be automatically carried out depending on the time and room conditions. The LM-CIRIA control unit enables configuration to be written to the external LM-ZSQ sequencer. These scene sequences are executed by the LM-ZSQ sequencer.

6.9.1 Creating scene sequences

Note

- A maximum of 20 scene sequences can be created. To completely configure a scene sequence, following all of the instructions in this section.

6.9.1.1 Defining general settings

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 159: **SEQUENCE** selection level

Setting the start time

– Start point: **SEQUENCE** selection level

1. To create the first scene sequence, go directly to step 2. To add a scene sequence, select **NEXT SEQUENCE** until a sequence appears in the header with the number **--**.
2. Run your finger along the touchring until the desired sequence number appears. This is also the number of the start scene.
3. Select **EDIT**.

   = **START TIME** settings level appears.

Figure 160: **START TIME** settings level

4. Select **HOUR**.

   = **HOUR** illuminates.
5. Run your finger along the touchring until the desired number appears.
6. Select **MINUTE**.

   = **MINUTE** illuminates.
7. Run your finger along the touchring until the desired number appears.
8. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Scene sequence start time is saved.

   = **STOP TIME** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
HOUR	0 – 23
MINUTE	0 – 59

Table 58: **START TIME** setting options

Setting the stop time

Figure 161: **STOP TIME** settings level

– Start point: **STOP TIME** settings level

9. Select **HOUR**.

   = **HOUR** illuminates.

10. Run your finger along the touchring until the desired number appears.

11. Select **MINUTE**.

    = **MINUTE** illuminates.

12. Run your finger along the touchring until the desired number appears.

13. Select **SAVE** to save the settings.

    = The message **SAVED** briefly appears.

    = Scene sequence stop time is saved.

    = **STOP PROCESS** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
HOUR	0 – 23
MINUTE	0 – 59

Table 59: **STOP TIME** setting options

Defining the stop process

Figure 162: **STOP PROCESS** settings level

– Start point: **STOP PROCESS** settings level

1. Select **NUMBER**.

   = **NUMBER** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **SAVE** to save the setting.

   = The message **SAVED** briefly appears.

   = Setting is saved.

   = **DAY - LOOPS** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

NUMBER parameter	Description
1	If the start scene is recalled manually, the scene sequence will stop at the stop time.
2	If the scene sequence begins at the start time, the sequence will stop at the stop time.
3	The scene sequence will stop at the stop time.

Table 60: **NUMBER** setting options

Setting day(s) and number of loops

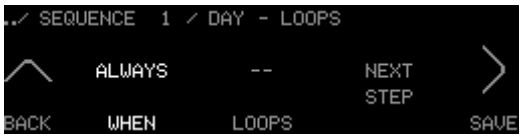


Figure 163: **DAY - LOOPS** settings level

– Start point: **DAY - LOOPS** settings level

1. Select **WHEN**.

   = **WHEN** illuminates.

2. Run your finger along the touchring until the desired setting appears.

3. Select **LOOPS**.

   = **LOOPS** illuminates.

4. Run your finger along the touchring until the desired setting appears.
5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Day and loop settings are saved.

   = **DELAY TIME MIN** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range	Factory setting
WHEN	ALWAYS, MO, TU, WE, TH, FR, SA, MO-FR, SA-SU	ALWAYS

Table 61: **WHEN** setting options

LOOPS parameter	Description
--	Infinite number of loops
00	No loop; only start scene is recalled.
01 – 99	Number of loops

Table 62: **LOOPS** setting options

Assigning a minimum delay time for scene changes

Figure 164: **DELAY TIME MIN** settings level

– Start point: **DELAY TIME MIN** settings level

1. Select **MINUTES**.

   = **MINUTES** illuminates.

2. Run your finger along the touchring until the desired number appears.
3. Select **SECONDS**.

   = **SECONDS** illuminates.

4. Run your finger along the touchring until the desired number appears.
5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Minimum delay time is saved.

   = **DELAY TIME MAX** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
MINUTES	0 – 99
SECONDS	0 – 59

Table 63: **DELAY TIME MIN** setting options

Defining a maximum delay time for scene changes

Figure 165: **DELAY TIME MAX** settings level

– Start point: **DELAY TIME MAX** settings level

6. Select **MINUTES**.

   = **MINUTES** illuminates.

7. Run your finger along the touchring until the desired number appears.

8. Select **SECONDS**.

   = **SECONDS** illuminates.

9. Run your finger along the touchring until the desired number appears.

10. Select **SAVE** to save the settings.

    = The message **SAVED** briefly appears.

    = Maximum delay time is saved.

    = **SEQUENCE** selection level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- If no delay time is defined, a random delay time of between 2 and 10 minutes is automatically applied.
- To switch to the **START SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
MINUTES	0 – 99
SECONDS	0 – 59

Table 64: **DELAY TIME MAX** setting options

6.9.1.2 Configuring the start scene

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 166: **SEQUENCE** selection level

– Start point: **SEQUENCE** selection level

– General settings (see Section 6.9.1.1 Defining general settings) have been saved.

1. Select and hold **NEXT SEQUENCE** until the sequence for which the scenes are to be configured appears in the header.
2. Select **EDIT**.

   = **START TIME** settings level appears.

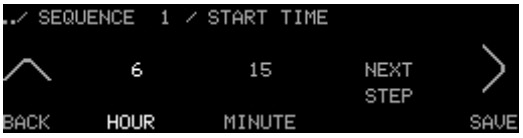


Figure 167: **START TIME** settings level

3. Select **NEXT STEP**.

   = **START SCENE** settings level appears.

Figure 168: **START SCENE** settings level

4. Select **SCENE**.

   = **SCENE** illuminates.

5. Select **SAVE** to save the setting.

   = The message **SAVED** briefly appears.

   = Start scene is saved.

   = **FADE - TYPE** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- The sequence number is also the number of the start scene. This start scene cannot be changed.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
SCENE	1 – 20

Table 65: **SCENE** setting options

Setting the fade speed and assigning a building service type

Figure 169: **FADE - TYPE** settings level

– Start point: **FADE - TYPE** settings level

1. Select **FADE**.

   = **FADE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **TYPE**.

   = **TYPE** illuminates.

4. Run your finger along the touchring until the desired setting appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Fade speed and building service type are saved.

   = **ROOM - GROUP** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

FADE parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 66: **FADE** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 67: Selection of **TYPE** setting options

Assigning the room and group

Figure 170: **ROOM - GROUP** settings level

– Start point: **ROOM - GROUP** settings level

1. Select **ROOM**.

   = **ROOM** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **GROUP**.

   = **GROUP** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Room and group have been assigned and saved.

   = **START SCENE** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
ROOM	1 – 99
GROUP	0 – 99

Table 68: **ROOM - GROUP** setting options

Assigning a waiting time

Figure 171: **START SCENE** settings level

– Start point: **START SCENE** settings level

1. Select **NEXT STEP**.

   = **WAITING TIME** settings level appears.

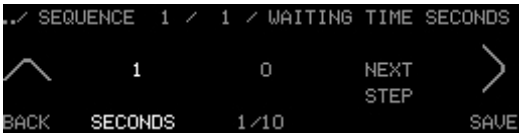


Figure 172: **WAITING TIME** settings level

2. Select **MINUTES**.

   = **MINUTES** illuminates.

3. Run your finger along the touchring until the desired number appears.

4. Select **SECONDS**.

   = **SECONDS** illuminates.

5. Run your finger along the touchring until the desired number appears.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Waiting time is saved.

7. Select **NEXT STEP** to switch to the **NEXT SCENE** settings level.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **NEXT SCENE** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
MINUTE	0 – 59
SECONDS	0 – 59

Table 69: **WAITING TIME** setting options

6.9.1.3 Configuring the next scene

Figure 173: **NEXT SCENE** settings level

– Start point: **NEXT SCENE** settings level

1. Select **SCENE**.

   = **SCENE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **SAVE** to save the setting.

   = The message **SAVED** briefly appears.

= Next scene is saved.

= **FADE - TYPE** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
SCENE	0 – 20

Table 70: **SCENE** setting options

Setting the fade speed and assigning a building service type

Figure 174: **FADE - TYPE** settings level

– Start point: **FADE - TYPE** settings level

1. Select **FADE**.

   = **FADE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **TYPE**.

   = **TYPE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Fade speed and building service type are saved.

   = **ROOM - GROUP** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

FADE parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 71: **FADE** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 72: Selection of **TYPE** setting options

Assigning the room and group

Figure 175: **ROOM - GROUP** settings level

– Start point: **ROOM - GROUP** settings level

1. Select **ROOM**.

   = **ROOM** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **GROUP**.

   = **GROUP** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Group and building service type are assigned and saved.

   = **NEXT SCENE** settings level appears.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **WAITING TIME** settings level directly (without saving), select **NEXT STEP**.

Parameter	Value range
ROOM	1 – 99
GROUP	0 – 99

Table 73: **ROOM - GROUP** setting options

Assigning a waiting time

Figure 176: **NEXT SCENE** settings level

– Start point: **NEXT SCENE** settings level

1. Select **NEXT STEP**.

   = **WAITING TIME** settings level appears.

Figure 177: **WAITING TIME** settings level

2. Select **MINUTES**.

   = **MINUTES** illuminates.

3. Run your finger along the touchring until the desired number appears.

4. Select **SECONDS**.

   = **SECONDS** illuminates.

5. Run your finger along the touchring until the desired number appears.

6. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Waiting time is saved.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To switch to the **NEXT SCENE** settings level directly (without saving), select **NEXT STEP**.

7. Select **NEXT STEP** to switch to the **NEXT SCENE** settings level.

8. To configure more scenes, start in the **NEXT SCENE** settings level and select the next scene.

9. To exit the scene sequence configuration, configure the stop scene (see Section 6.9.1.4 Configuring stop scenes).

Parameter	Value range
MINUTE	0 – 59
SECONDS	0 – 59

Table 74: **WAITING TIME** setting options

6.9.1.4 Configuring stop scenes

Note

- In order to configure the stop scene, the **SCENE** parameter must be set to **- -** after the most recent scene has been fully configured. Select **SAVE** to access the **STOP SCENE** settings level.

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 178: **NEXT SCENE** settings level

– Start point: **NEXT SCENE** settings level for the most recently configured scene

1. Select **SCENE**.

   = **SCENE** illuminates.

2. Run your finger along the touchring until **--** appears.

3. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

4. Select **NEXT STEP**.

Figure 179: **STOP SCENE** settings level

   = **STOP SCENE** settings level appears.

5. Select **SCENE**.

   = **SCENE** illuminates.

6. Run your finger along the touchring until the desired number appears.

7. Select **SAVE** to save the setting.

   = The message **SAVED** briefly appears.

   = Stop scene is saved.

   = **FADE - TYPE** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- To create a new sequence directly (without saving), select **NEXT SEQUENCE**.

Parameter	Value range
SCENE	0 – 20

Table 75: **SCENE** setting options

Setting the fade speed and assigning a building service type

Figure 180: **FADE - TYPE** settings level

– Start point: **FADE - TYPE** settings level

1. Select **FADE**.

   = **FADE** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **TYPE**.

   = **TYPE** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Fade speed and building service type are saved.

   = **ROOM - GROUP** settings level appears.

Notes

- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To create a new sequence directly (without saving), select **NEXT SEQUENCE**.

FADE parameter	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 76: **FADE** setting options

Building service type	Building service type number
COMMON (all building services)	1
Brightness	2
Blind position	3
Slat angle	4
Screen	10
Colour temperature	13
Window	65
Curtain	64
Temperature	11
Air exchange	39

Table 77: Selection of **TYPE** setting options

Assigning the room and group

Figure 181: **ROOM - GROUP** settings level

– Start point: **ROOM - GROUP** settings level

1. Select **ROOM**.

   = **ROOM** illuminates.

2. Run your finger along the touchring until the desired number appears.

3. Select **GROUP**.

   = **GROUP** illuminates.

4. Run your finger along the touchring until the desired number appears.

5. Select **SAVE** to save the settings.

   = The message **SAVED** briefly appears.

   = Room and group have been assigned and saved.

   = **STOP SCENE** settings level appears.

   = The scene sequence is configured and saved.

Notes
- Settings are only saved if **SAVE** is selected.
- Selecting **SAVE** automatically saves all values displayed on the touchscreen.
- To create a new sequence directly (without saving), select **NEXT SEQUENCE**.

Parameter	Value range
ROOM	1 – 99
GROUP	0 – 99

Table 78: **ROOM - GROUP** setting options

6.9.2 Editing scene sequences

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 182: **SEQUENCE** selection level

– Start point: **SEQUENCE** selection level

1. Select and hold **NEXT SEQUENCE** until the scene sequence to be edited appears in the header.
2. Select **EDIT**.

   = **START TIME** settings level appears.
3. To edit the scene sequence, proceed as described in Section 6.9.1 Creating scene sequences.

6.9.3 Deleting scene sequences

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 183: **SEQUENCE** selection level

– Start point: **SEQUENCE** selection level

1. Select and hold **NEXT SEQUENCE** until the scene sequence to be deleted appears in the header.
2. Select **DELETE** twice.

   = Scene sequence is deleted in the LM-ZSQ sequencer.

   = The text **SEQUENCE --** appears.

Appendix

A Description of selection and settings levels (service menu)

This section contains descriptions of the service menu selection and settings levels that are used to configure the LM-CIRIA control unit and to commission the field level.

A 1 INTERNAL selection level

Via the **INTERNAL** selection level, different functions can be accessed which can be set for the LM-CIRIA control unit.

The **INTERNAL** selection level contains the following additional selection levels:

- CONFIGURATION
- OPERATION
- GROUPS

Path: SERVICE MENU / INTERNAL

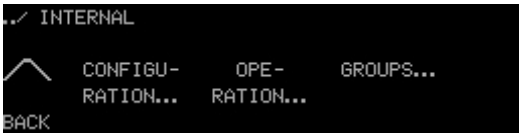


Figure 184: **INTERNAL** selection level

A 1.1 CONFIGURATION selection level

Via the **CONFIGURATION** selection level, the basic settings of the LM-CIRIA control unit and the entry level can be configured.

The **CONFIGURATION** selection level contains the following additional selection levels:

- TOUCHRING & KEY...
- DISPLAY...

The **CONFIGURATION** selection level contains the following settings levels:

- MY ADDRESS
- SYMBOL BUILD-UP
- TOUCHRING TYPE
- SAVE SCENE
- RETURN TIMEOUT
- PASSWORD
- ACTION CLICK
- TOUCH REACTION
- FACTORY RESET

Path: SERVICE MENU / INTERNAL / CONFIGURATION

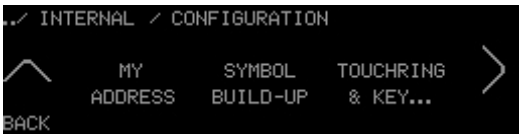


Figure 185: **CONFIGURATION** selection level

Figure 186: **CONFIGURATION** selection level

Figure 187: **CONFIGURATION** selection level

Figure 188: **CONFIGURATION** selection level

MY ADDRESS settings level

Assign the room / group address to the LM-CIRIA control unit here.

SYMBOL BUILD-UP settings level

Import or update the addresses and building service types for the connected field devices here.

TOUCHRING TYPE settings level

Assign the building service type to the touchring here.

SAVE SCENE settings level

Lock/enable the scene saving function here.

RETURN TIMEOUT settings level

Configure the return timeout to the entry level from the selection levels here.

PASSWORD settings level

Change the password for access to the service menu here.

ACTION CLICK settings level

Configure the volume level for the action click here.

TOUCH REACTION settings level

Configure the sensitivity of the touchscreen and touchring here.

FACTORY RESET settings level

Reset the LM-CIRIA control unit to its factory settings here.

A 1.1.1 TOUCHRING & KEY selection level

Via the **TOUCHRING & KEY** selection level, the basic settings of the touchring, on/off key and the on/off key LED can be configured.

The **TOUCHRING & KEY** selection level contains the following settings levels:

- WAKE-UP REACTION
- LED OF KEY
- FADE OF KEY
- SCENE OF KEY
- TYPE OF KEY

Path: SERVICE MENU / INTERNAL / CONFIGURATION / TOUCHRING & KEY

Figure 189: **TOUCHRING & KEY** selection level

Figure 190: **TOUCHRING & KEY** selection level

WAKE-UP REACTION settings level

Configure the behaviour of the touchring if touched when an absence scene is enabled here.

LED OF KEY settings level

Configure the behaviour of the on/off key LED here.

FADE OF KEY settings level

Configure the fade speed for presence and absence scenes here.

SCENE OF KEY settings level

Configure the presence and absence scenes for the on/off key here.

TYPE OF KEY settings level

Configure the building service type for the on/off key here.

A 1.1.2 DISPLAY selection level

Via the **DISPLAY** selection level, the behaviour of the touchscreen can be configured. You can also configure which information is displayed in the entry level.

The **DISPLAY** selection level contains the following settings levels:

- TIME
- TEMPERATURE
- NUMBERS
- FOOTER
- BRIGHTNESS
- SCREENSAVER

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY

Figure 191: **DISPLAY** selection level

Figure 192: **DISPLAY** selection level

TIME settings level

Configure whether the time is displayed here.

TEMPERATURE settings level

Configure whether the room temperature is displayed here.

NUMBERS settings level

Configure whether the group numbers are displayed here.

FOOTER settings level

Configure whether the footer is displayed here.

BRIGHTNESS settings level

Configure the touchscreen brightness here.

SCREENSAVER settings level

Configure the touchscreen screensaver here.

A 1.2 OPERATION selection level

Via the **OPERATION** selection level, the scene and building service icons can be configured.

The **OPERATION** selection level contains the following additional selection levels:

- **ADD**

The **OPERATION** selection level contains the following settings levels:

- **EDIT**
- **SORT**
- **DELETE**

Path: SERVICE MENU / INTERNAL / OPERATION

Figure 193: **OPERATION** selection level

Figure 194: **OPERATION** selection level

EDIT settings level

Edit existing scene and building service icons here.

SORT settings level

Change the order in which the scene and building service icons appear here.

DELETE settings level

Delete scene or building service icons here.

A 1.2.1 ADD selection level

Via the **ADD** selection level, new scene and building service icons can be added.

The **ADD** selection level contains the following settings levels:

- **SCENE**
- **BUILDING SERVICE**

Path: SERVICE MENU / INTERNAL / OPERATION / ADD

Figure 195: **ADD** selection level

SCENE settings level

Add scene icons and configure them here.

BUILDING SERVICE settings level

Add building service icons and configure them here.

A 1.3 GROUPS selection level

Via the **GROUPS** selection level, the group icons can be configured.

The **GROUPS** selection level contains the following additional selection levels:

- **ADD**

The **GROUPS** selection level contains the following settings levels:

- **EDIT**
- **SORT**
- **DELETE**

Path: SERVICE MENU / INTERNAL / GROUPS

Figure 196: **GROUPS** selection level

Figure 197: **GROUPS** selection level

EDIT settings level

Edit existing group icons here.

SORT settings level

Change the order in which the group icons appear here.

DELETE settings level

Delete group icons here.

A 1.3.1 ADD selection level

Via the **ADD** selection level, new group and bus address icons can be added.

The **ADD** selection level contains the following settings levels:

- **GROUP**
- **BUS ADDR.**

Path: SERVICE MENU / INTERNAL / CONFIGURATION / GROUPS / ADD

Figure 198: **ADD** selection level

GROUP settings level

Add group icons and configure them here.

BUS ADDRESS settings level

Add an icon for a single bus address and configure it.

A 2 EXTERNAL selection level

Via the **EXTERNAL** selection level, different functions can be accessed, which are required for commissioning the field level.

The **EXTERNAL** selection level contains the following additional selection levels:

- ASSIGN ADDRESS
- DELETE ADDRESS
- LM-ZSM
- LM-ZSQ

The **EXTERNAL** selection level contains the following settings levels:

- RE-GROUP & CHECK
- FADE
- TIME
- DATE

Path: SERVICE MENU / EXTERNAL

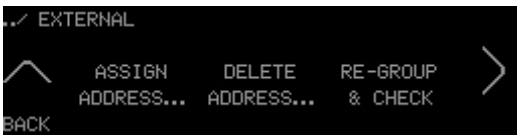


Figure 199: **EXTERNAL** selection level

Figure 201: **EXTERNAL** selection level

Figure 200: **EXTERNAL** selection level

RE-GROUP AND CHECK settings level

Assign outputs to existing or new groups here, or check if an output has been assigned to the correct group.

FADE settings level

Configure the fade speeds for all control units in the room.

TIME settings level

Set the time here.

DATE settings level

Set the date here.

A 2.1 ASSIGN ADDRESS... selection level

Via the **ASSIGN ADDRESS** selection level, outputs and inputs can be addressed.

The **ASSIGN ADDRESS** selection level contains the following settings levels:

- **OUTPUTS**
- **INPUTS**

Path: SERVICE MENU / EXTERNAL / ASSIGN ADDRESS

Figure 202: **ASSIGN ADDRESS** selection level

OUTPUTS settings level

Address the outputs here by assigning the group (x/G/x) and bus address (x/x/A) to them.

INPUTS settings level

Address the inputs here by assigning the group address (x/G) to them.

A 2.2 DELETE ADDRESS selection level

Via the **DELETE ADDRESS** selection level, room, group and bus addresses can be deleted.

The **DELETE ADDRESS** selection level contains the following settings levels:

- **ROOM-WIDE**
- **GROUP**
- **BUS ADDRESS**

Path: SERVICE MENU / EXTERNAL / DELETE ADDRESS

Figure 203: **DELETE ADDRESS** selection level

ROOM-WIDE settings level

Delete all addresses for a room (R/G/A) here.

GROUP settings level

Delete all addresses within a group and the group address itself (x/G/A) here.

BUS ADDRESS settings level

Delete a single bus address (x/x/A) here.

A 2.3 LM-ZSM selection level

Via the LM-ZSM selection level, time entries can be configured.

The LM-ZSM selection level contains the following settings levels:

- DELETE
- EDIT
- TO NEXT

Path: SERVICE MENU / EXTERNAL / LM-ZSM

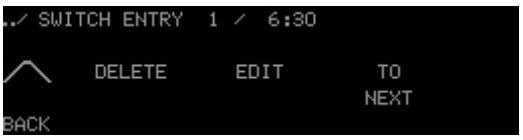


Figure 204: SWITCH ENTRY selection level

DELETE settings level

Delete time entries here.

EDIT settings level

Edit time entries here.

TO NEXT settings level

Create new time entries here.

A 2.3 LM-ZSQ selection level

Via the LM-ZSQ selection level, automated scene sequences can be configured.

The LM-ZSQ selection level contains the following settings levels:

- DELETE
- EDIT
- NEXT SEQUENCE

Path: SERVICE MENU / EXTERNAL / LM-ZSQ

Figure 205: SEQUENCE selection level

DELETE settings level

Delete sequences here.

EDIT settings level

Edit sequences here.

NEXT SEQUENCE settings level

Create new sequences here.

B Scene icons

Icon	Name	Icon	Name	Icon	Name
	Desk		Film		Exhibition
	Meeting		Drawing		Eating
	Beamer		Save energy		Theatre
	Break		Climate care		Fitness
	Cleaning		Presentation		Television
	Visit		Lecture		Convert
	Preview		Night		

Table 79: Scene icons and default scene names

C Building service icons

Icon	Name	Icon	Name	Icon	Name
	Brightness		Window		Colour temperature
	Blind position		Curtain		unknown
	Slat angle		Temperature		
	Screen		Air exchange		

Table 80: Building service icons and default building service names

D Error messages

No LM-Bus available

Figure 206: Error display: "No LM-Bus available"

Error pattern:
- **? BUS** flashes cyclically on the touchscreen.
- On/off key LED blinks cyclically.

Possible causes:
- No bus supply for the LM-Bus.
- Interface between LM-CIRIA control unit and LM-Bus is faulty.
- No LM-Bus connected to the LM-CIRIA control unit.
- Too many bus loads connected to the LM-Bus.
- Short circuit on the LM-Bus.

Touchscreen faulty

Figure 207: Error display: "Touchscreen faulty"

Error correction:
Send LM-CIRIA control unit to be repaired.

No access to internal program memory

Figure 208: Error display: "No access to internal program memory"

Error correction:
Send LM-CIRIA control unit to be repaired.

Interface between operating and socket electronics faulty

Figure 209: Error display: "Interface between operating and socket electronics faulty"

Cause and correction of error:
- Check the plug connections for mechanical faults between the upper part of the control unit and the socket electronics. If there is a mechanical fault, the LM-CIRIA control unit must be sent to be repaired.
- Electronics for the upper part of the control unit or socket electronics are faulty. Send LM-CIRIA control unit to be repaired.

E Factory settings

Path: SERVICE MENU / INTERNAL / CONFIGURATION / MY ADDRESS

Parameter	Value range	Factory setting
ROOM	--; 0 – 99	--
GROUP	0 – 99	0
BUS ADDR.	0 – 99	0

Table 81: **MY ADDRESS** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / WAKE-UP REACTION

TOUCHRING parameter	Description
NO REACTION	The touchring does not function if an absence scene is enabled.
DIMMING	Lighting can be dimmed using the touchring if an absence scene is enabled, but no scene can be recalled.
DIMMING & SCENE	Lighting can be dimmed and a scene can be recalled using the touchring if an absence scene is enabled. The SCENE parameter defines which scene can be recalled.

Table 82: **TOUCHRING** setting options

Parameter	Value range	Factory setting
SCENE	0 – 20	1

Table 83: **SCENE** setting options

Parameter	Value range	Factory setting
KEY	PRESENCE SCENE; LAST SCENE	PRESENCE SCENE

Table 84: **KEY** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / ACTION CLICK

Parameter	Value range	Factory setting
LEVEL	0, 1, 2, 3, 4 (0 = no action click, 4 = loud action click)	0

Table 85: **LEVEL** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SCENE OF KEY

Parameter	Value range	Factory setting
PRESENCE	1 – 20	1
ABSENCE	0 – 20	0

Table 86: **SCENE OF KEY** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / FADE OF KEY

Parameter	Value range (in seconds)	Factory setting
PRESENCE	0, 1, 3, 5, 7, 10, 15, 30, 60	0
ABSENCE	0, 1, 3, 5, 7, 10, 15, 30, 60	0

Table 87: **FADE OF KEY** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / LED OF KEY

Parameter	Value range	Factory setting
LEVEL	1, 2, 3, 4 (1 = very dark, 4 = very bright)	3

Table 88: **LEVEL** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / SAVE SCENE

Parameter	Value range	Factory setting
SAVE SCENE	ENABLE, LOCK	LOCK

Table 89: **SAVE SCENE** setting options

Path: SERVICE MENU / INTERNAL / OPERATION / ADD

FADE settings level	Value range (in seconds)	Factory setting
FADE	0, 1, 3, 5, 7, 10, 15, 30, 60	0 seconds

Table 90: **FADE** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / NUMBERS OF GROUP SYMBOLS

Parameter	Value range	Factory setting
NUMBERS OF GROUP SYMBOLS	YES, NO	YES

Table 91: **NUMBERS OF GROUP SYMBOLS** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / FOOTER

Parameter	Value range	Factory setting
FOOTER	YES, NO	YES

Table 92: **FOOTER** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / TIME

Parameter	Value range	Factory setting
TIME	YES, NO	YES

Table 93: **TIME** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / TEMPERATURE

Parameter	Value range	Factory setting
TEMPERATURE	YES, NO	NO

Table 94: **TEMPERATURE** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / BRIGHTNESS

Parameter	Value range	Factory setting
BRIGHTNESS	1, 2, 3, 4 (1 = very dark, 4 = very bright)	3

Table 95: **BRIGHTNESS** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / DISPLAY / SCREENSAVER

BEHAVIOUR parameter	Description
INACTIVE	The current touchscreen display remains visible.
DYNAMIC	The name of the recalled scene is displayed at intervals on the screensaver.
DARK	The screensaver is enabled; the touchscreen is dark.

Table 96: **BEHAVIOUR** setting options

Parameter	Value range	Factory setting
WAIT FOR	1, 2, 3, ... 99	20 MINUTES

Table 97: **WAIT FOR** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / ACTION CLICK

Parameter	Value range	Factory setting
LEVEL	0, 1, 2, 3, 4 (0 = no action click, 4 = loud action click)	0

Table 98: **LEVEL** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / TOUCH REACTION

Parameter	Value range (in milliseconds)	Factory setting
DELAY	00, 10, 20, 30, ... 500	00 MS

Table 99: **DELAY** setting options

Parameter	Value range	Factory setting
SENSITI.	1, 2, 3 (1 = low sensitivity, 3 = high sensitivity)	2

Table 100: **SENSITI.** setting options

Path: SERVICE MENU / INTERNAL / CONFIGURATION / RETURN TIMEOUT

SERVICE parameter	Value range (in minutes)	Factory setting
SERVICE	1, 2, 3, ... 60	10 MINUTES

Table 101: **SERVICE** setting options

OP.LEVEL parameter	Value range (in seconds)	Factory setting
OP.LEVEL	1, 2, 3, ... 250	20 SECONDS

Table 102: **OP.LEVEL** setting options

F Questions and answers

How many scene icons can be configured?

Up to 20 scene icons can be configured in the entry level. The entry level is limited to 30 icons (both scene and building service icons).

How many group icons can be configured?

Up to 15 group icons can be configured.

How many building service icons can be configured?

Up to 30 building service icons can be configured in the entry level. The entry level is limited to 30 icons (both scene and building service icons).

How do I operate individual groups?

The GROUPS icon is located in the entry level.

1. Select GROUPS to access the selection level where you can select individual groups for operation.
2. Select the group to be operated.
   = The settings level for operation appears.
3. Select the corresponding icon to operate the group.

How can I access the entry level directly from the service menu?

Select and hold BACK for approximately two seconds.

On which bus systems can the LM-CIRIA control unit be operated?

The LM-CIRIA control unit can only be operated on the LM-Bus.

Is the LM-CIRIA control unit powered by the LM-Bus?

No, the LM-CIRIA control unit must have a separate power supply (230/240 V AC, 50/60 Hz).

Why does the on/off key LED sometimes illuminate when I am in the service menu?

The on/off key LED illuminates when the on/off key must be pressed in order to save settings.

Is a new icon automatically created for a group if an output is re-grouped to a new group address?

No. A group icon can be created in the service menu in the SYMBOL BUILD-UP settings level using the EXTEND SYMBOLS parameter.

What happens if the LM-CIRIA control unit is reset to its factory settings?

The entry level is reset to contain only the DESK, MEETING and BEAMER scene icons and the BRIGHTNESS, BLINDS, SCREEN and WINDOW building service icons. The other building service icons in the entry level and in the selection levels are deleted. The LM-CIRIA control unit is reset to the parameter values listed in Section E of the Appendix which details the factory settings. The language setting is not reset.

G List of figures

H List of tables

I Technical data

Nominal voltage	230/240 V AC, 50/60 Hz
Permitted input voltage	207–264 V AC, 50–60 Hz
Power loss	< 1.5 W
Terminals	0.75–1.5 mm^2
Inputs	LM-Bus
Addressing	control of an entire room: room address > 0, group address = 0 control of an individual group: room address > 0, group address > 0
Operation	on/off key, touchring, touchscreen
Display	OLED 256 x 64 points
Housing material	plastic, halogen free
Housing colour	signal white (RAL 9010), black (RAL 9005), chrome (matt)
Installation	in single recessed wall installation sockets (DIN 49073-GC-P2) measuring at least 60 mm in depth max. installation tolerance for the wall installation socket against the wall: + 0/-2 mm
Dimensions	92 x 130 x 50 mm
Weight	approx. 300 g
Relative humidity	20–90%, non-condensing
Permitted ambient temp.	0–50°C
Storage temperature	-20–70 °C
Protection type	IP 20

J Glossary

Actuator

A device which receives a command from an input, converts the command and sends it via a defined interface (output) to an operating device (luminaire actuator), motor (motor actuator), control drive, etc. An actuator can have several outputs and is usually assigned to a specific building service.

Building service

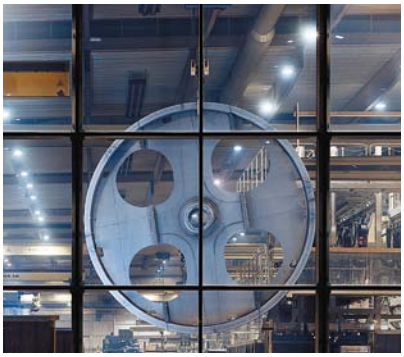
A component of the building's technical equipment which is part of the building's infrastructure.

Building service type (mode of operation)

Determines which building service is being controlled. Each building service is controlled by at least one building service type.

Examples of building service types are: light, blinds, window and slat angle. A building service type also determines the type of sensor input, e.g. outdoor temperature and wind speed.

INDUSTRY AND ENGINEERING



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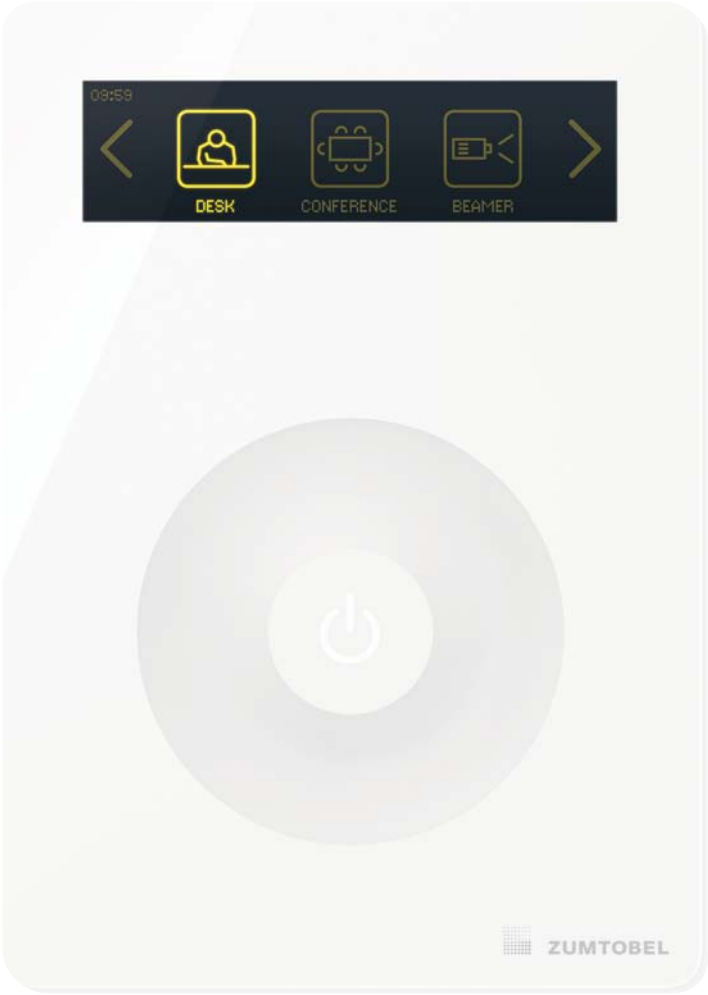
LUXMATE CIRIA

Instructions for start-up and use



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