JUNG

LB Management

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MADE IN GERMANY SINCE 1912

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An overview of all advantages

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Timer with added convenience
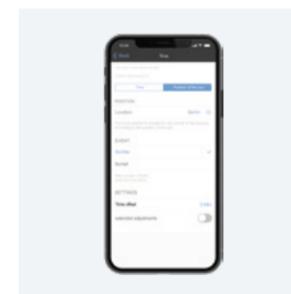
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Perfectly matched

JUNG LB Management is the ideal solution for matching light and shade. The modular system can be easily adapted to the most varied requirements and provides perfect lighting conditions and atmospheric scenarios throughout the house.

Well combined

With the combination of different inserts and covers, JUNG LB Management provides a solution for virtually every desired function for light and shading control.

THE LB MANAGEMENT MODULAR PRINCIPLE

Light
insert

Blind
insert
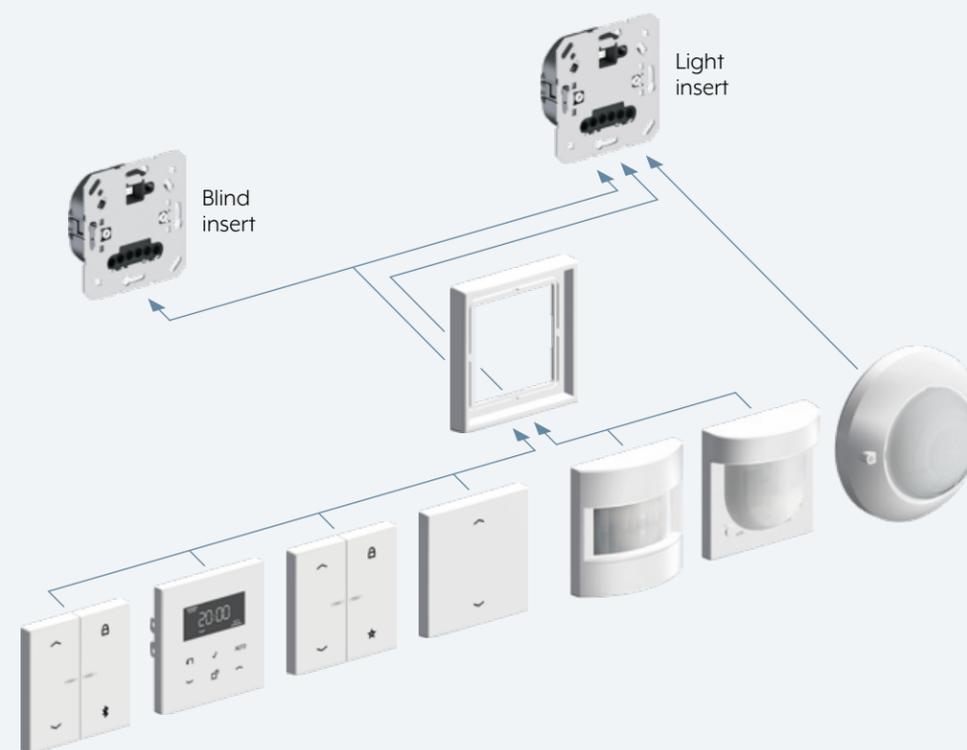
The LB Management system provides different inserts and covers that can be combined for individual control of lighting and shade.

All inserts from LB Management can be freely combined with the JUNG covers for the A, LS and CD ranges. In this way, you have a huge variety of materials, colours and formats. This also makes retrofitting simpler: the new components can be visually matched easily to the existing installation. LB Management is also versatile in operation.

Control is dependent on the selected cover: manually on the device, automatically with a timer, with a movement detector, by remote control or with the Clever Config app via a smartphone. When retrofitting existing installations, individual components (always insert plus cover) can also be exchanged for new ones and the others can continue to be used.

Overview of the advantages

SIMPLE, FAST INSTALLATION

Modular system in which inserts and covers can be combined depending on the required function. Simple plug system of the cover onto the insert and plenty of room for wiring for fast installation.

BACKWARDS COMPATIBILITY

From the existing light and blinds management installations, it is also possible to replace only individual modules with new ones from the LB Management, with "old and new" being used together.

CONTROLLING LIGHT AND SHADE

Light and shading control in one system and one design. Always easy to operate due to identical covers. From switching and dimming to blinds adjustment.

CONVENIENT OPERATION
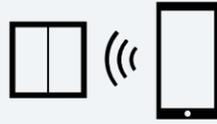
Manually with control buttons with clear symbols for identification of functions. By Bluetooth from a smartphone. Automatically using a timer switch, presence detector or automatic switch. Always intuitive.

TEST BUTTON/OPERATING MODE SWITCH

At the site, test operation is possible using the test button without the cover. It is also used to set various operating modes. This optimises commissioning even more.

CLEVER CONFIG APP

With this app, the Bluetooth devices for the LB Management are set and operated with a smartphone: Convenient control of functions, display of values and states, creation of time controls and configuration.

BLUETOOTH LOW ENERGY

With Bluetooth Low Energy, connecting and data transmission are particularly convenient. Therefore, this technology is used for LB Management – not just for configuration but also for operation. Independent of WLAN and networks.

INEXPENSIVE RETROFITTING

With existing light or blinds management installations, the components can easily be replaced by a tradesperson or additional modules seamlessly added. Inexpensive, without great effort.

The modular principle of the LB Management offers clear advantages not only for tradespeople but also for owners and modernisers.

Characteristics are the simple installation and commissioning, the possibility for retrofitting of existing installations and convenient operation.

In use: Single family

In private building, the LB Management provides more convenience and energy efficiency with control of light and shading according to need. Daily routines are made easier with automatic functions. Individual settings and variable operating possibilities improve living quality.
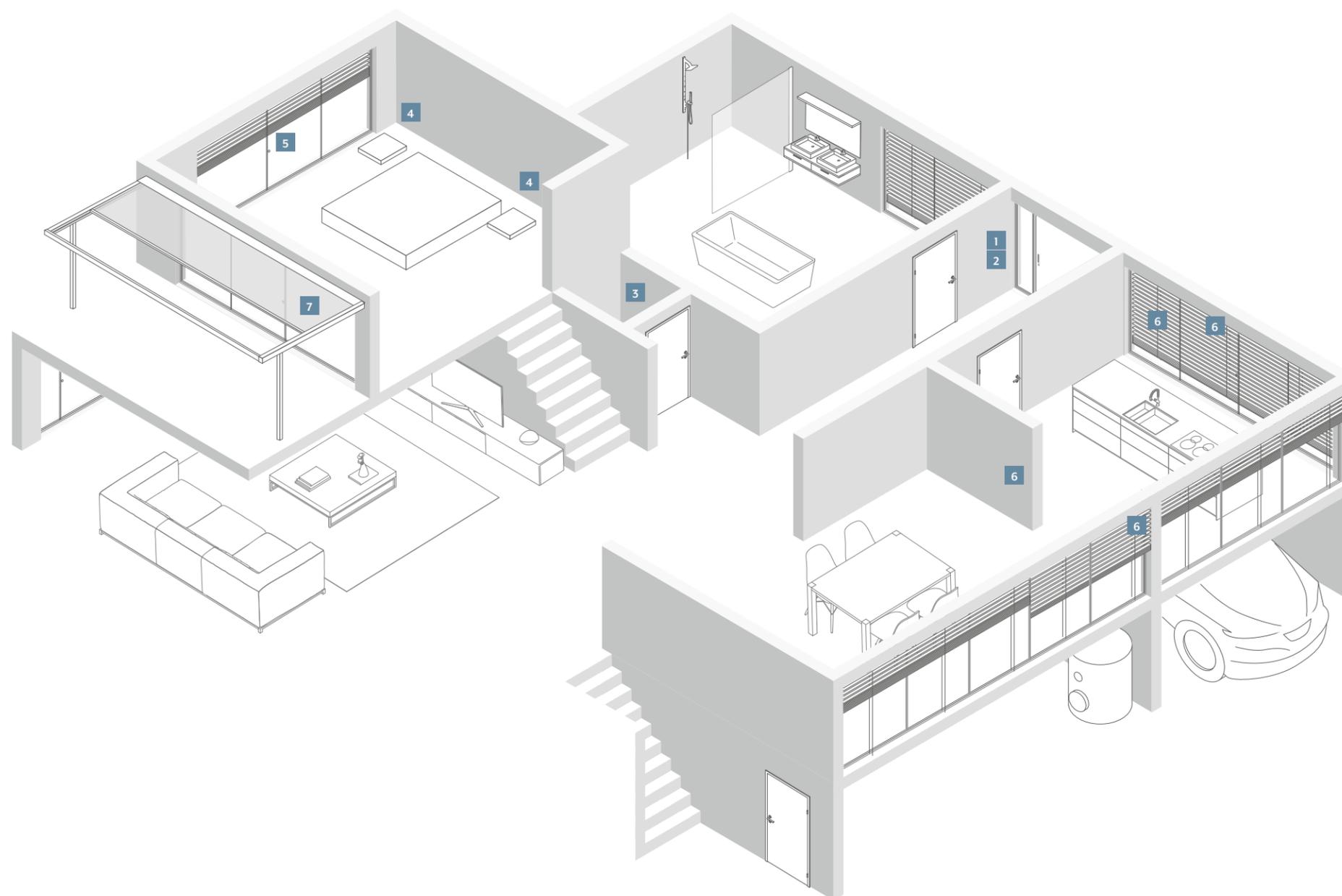
1 "Hands-free lighting" with automatic switches: practical and energy-saving

2 Alarm function: blinking light for motion detection

3 Automatic light in the guest bathroom: no searching for the light switch

4 Lighting control with satellite unit: extension by operating element

5 Lock-out prevention: deactivation of the automatic shutter control at the press of a button

6 Shading complete areas: shutter control in groups by room, floor or house

7 Astro function: shade a living room with a timer and based on sun position

The description of these scenarios, with circuit diagrams and parts list can be found in the LB Management workbook.

In use: Office building

In commercial construction such as office buildings, with the LB Management, the working conditions are optimised in a simple manner. Automatic functions provide more security and convenience here. With constant light regulation, the energy efficiency is increased in addition.
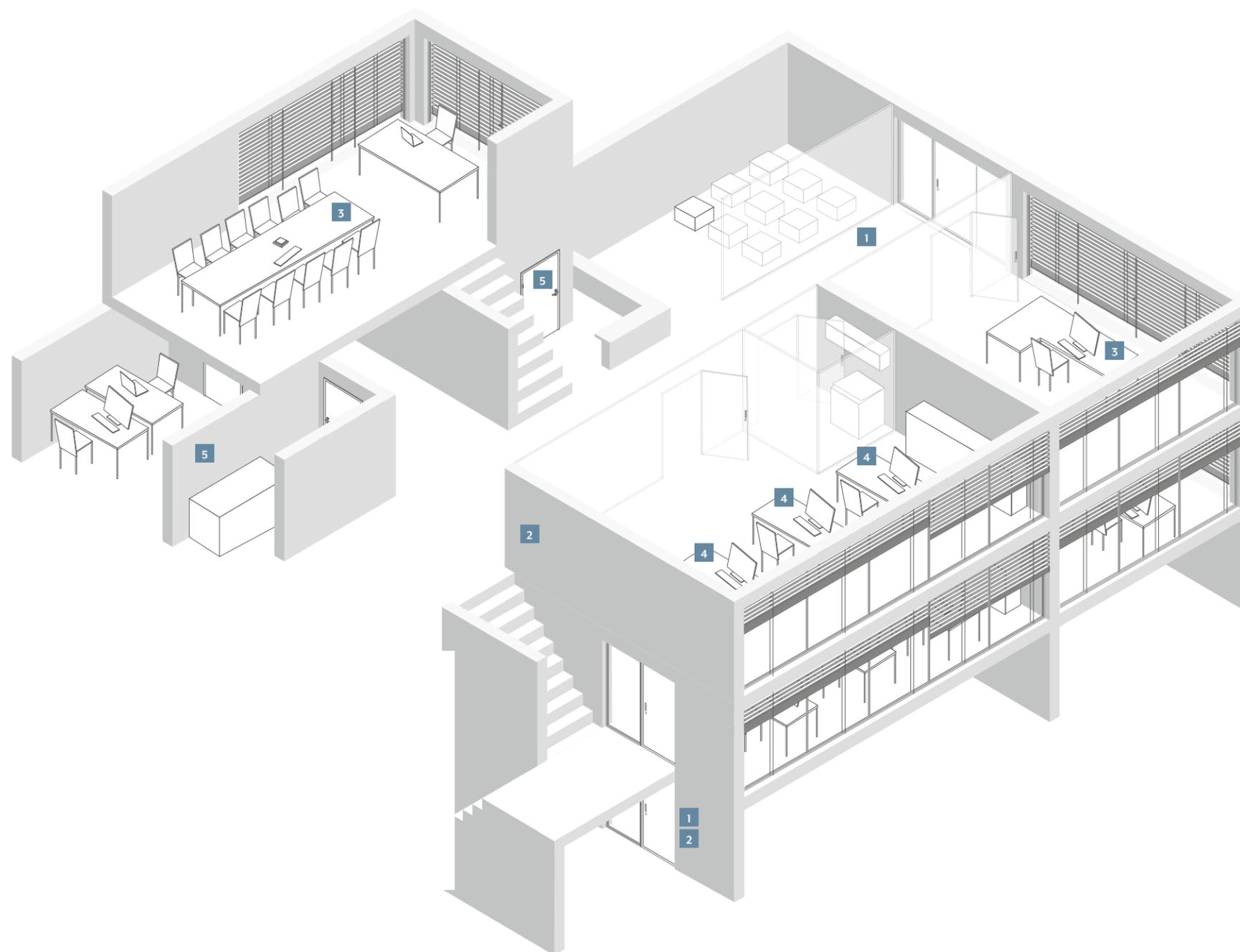
1 Daylight-linked lighting control in the entrance area: safe and economical

2 Automatic stairwell light: automatic switches provide safety, also for retrofitting

3 In the meeting room: always the right light with light and shading control matched to your needs

4 Constant light function in the office: optimum illumination with a combination of presence detectors and DALI push-button controls

5 Semi-automatic lighting with energy-saving function through appropriate delay times: ideal for small kitchens or server rooms

The description of these scenarios, with circuit diagrams and parts list can be found in the LB Management workbook.

The controls

STANDARD CENTRE PLATE

The Standard centre plate is an attachment for all LB Management inserts. Operation of light and shade is manual. The button can be actuated at the top, bottom and also full surface. The centre plate is available with or without symbols.

UNIVERSAL CENTRE PLATE

The Universal centre plate with memory and locking function is suitable for almost all LB Management inserts. A coloured LED is assigned to each rocker half and is used for the function and status display. Operation is performed manually or automatically. The cover for the automatic shading control is available with appropriate arrow symbols.

STANDARD 2-GANG CENTRE PLATE

The 2-gang standard centre plate is an attachment for inserts with two channels. In addition to switching and dimming, this attachment works with the Power DALI push-button controller TW. The left rocker controls the brightness and the right rocker controls the colour temperature.

STANDARD TIMER WITH DISPLAY

The Standard timer is a 1-channel timer for all inserts. The high-quality, real glass surface has an illuminated display and six sensor buttons for operation. The current time can be saved as the switching time using fast programming. The locking function deactivates automatic functions, satellites and timer programmes. Thanks to the astro function, switching times are adapted to the position of the sun.

More information can be found on page 24.

eNet RADIO CENTRE PLATE

In order to also dim or switch the light from LB Management in eNet SMART HOME, only the attachments of the modular system have to be replaced with the eNet Radio Centre Plate. Residents already control the lighting conveniently via eNet SMART HOME app.

More information can be found on page 22.

UNIVERSAL TIMER BLUETOOTH

The Universal timer Bluetooth is an attachment for all inserts for light and shading control. Operation can be manual with the two rockers or with a smartphone using the Clever Config app. Colour LEDs for the display of functions and appropriate button printing optimise operation.

More information can be found on page 28.
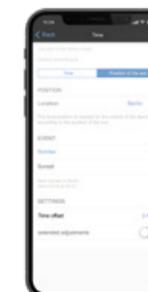
The inserts

RELAY SWITCH INSERT 1-CHANNEL

DESIGNED FOR TRADESPEOPLE

More space for wiring in the socket: due to the compact design and the shallow installation depth, tradespeople have significantly more room to play with. The enclosed mounting claws allow simple and fast installation in addition. Thanks to the galvanised support plate in steel, the inserts for LB Management are particularly stable.

LIGHT INSERTS

From simple switching to dimming energysaving lamps or tunable white control, the light inserts offer all possibilities. Possible as a master unit just as much as a satellite unit.

RELAY SWITCH INSERT 1-CHANNEL

**RELAY SWITCH INSERT 2-CHANNEL**

ELECTRONIC SWITCH INSERT 1-CHANNEL

PULSE INSERT
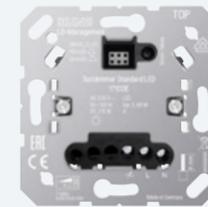
STANDARD TOUCH DIMMER LED
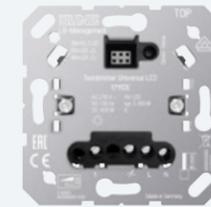
UNIVERSAL TOUCH DIMMER LED
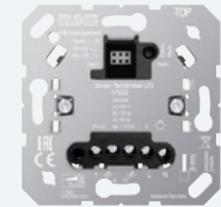
2-GANG TOUCH DIMMER
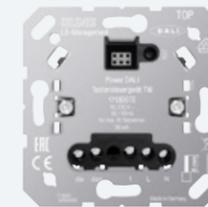
POWER DALI PUSH-BUTTON CONTROLLER TW
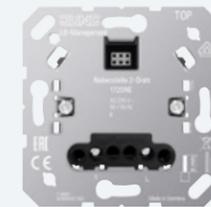
2-WIRE SATELLITE UNIT

3-WIRE SATELLITE UNIT

BLIND INSERTS

With both "Standard" and "Universal" blind inserts in combination with the LB Management covers, all the demands of modern shade control are covered.
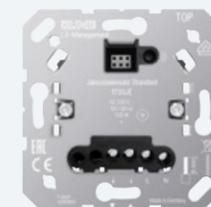

STANDARD BLIND INSERT


UNIVERSAL BLIND INSERT

Operation in switch design

The controls in the LB Management are all available in the multifaceted JUNG design. As a result, they convince not only with their intuitive operating philosophy, but also with respect to form, colour and material.
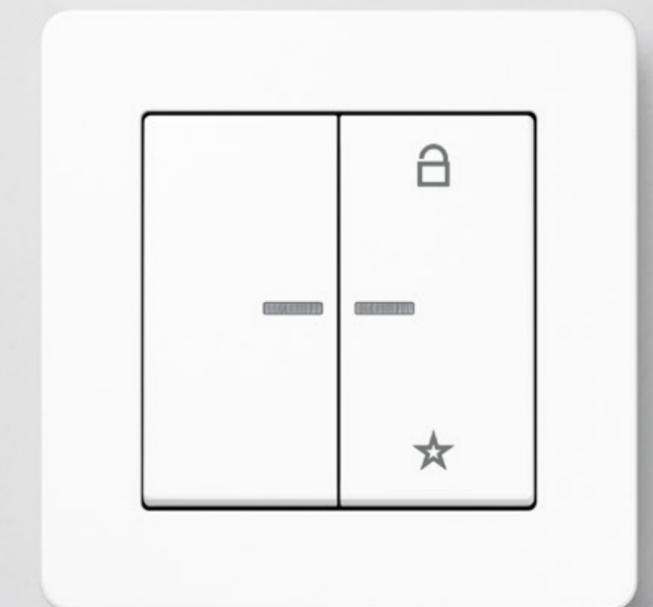
With the press of a button

STANDARD CENTRE PLATE

With arrow symbols for automatic
shading control

STANDARD CENTRE PLATE

Without symbols for lighting control

UNIVERSAL CENTRE PLATE

Left button with arrow symbol for
automatic shading control

UNIVERSAL CENTRE PLATE

Left button without symbols for lighting
control

"Standard" and "Universal" centre plates, depending on the combined insert, light or shading is controlled manually with the press of a button. The universal design has additional convenience functions. For example, the upper right button (lock symbol) can activate the locking function for all automatic functions and the memory function. Alongside two switching times, a ventilation position for the shutter can also be stored. Thanks to appropriate symbols, operation is self-explanatory.

Smart Home

eNet RADIO CENTRE PLATE

eNet SMART HOME APP

eNet RADIO CENTRE PLATE "ARROWS"
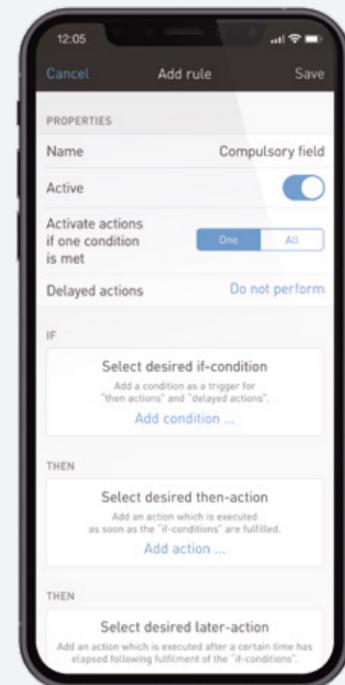
In order to offer more options to users, JUNG integrates LB Management in the wireless-based Smart-Home system. In this way, users can integrate systems into room overviews and connect them with scenes, if-then rules or schedules. Thanks to the eNet SMART HOME app, LB Management components can be controlled from anywhere – conveniently with a smartphone or tablet. Naturally everything is with a strict perspective on data security: the radio transmissions in the eNet system are completely encrypted.

The Standard timer with display

LS 990 in white

LS 990 in black

A FLOW in white

A CREATION in black with glass frame

Real glass front in black or white with six sensor buttons for intuitive operation – these are the striking characteristics of the Standard timer with illuminated display. In this way, the automatic control of light and shading becomes particularly convenient.

SWITCHING TIMES

The Standard timer has two week blocks: from Monday – Friday and from Saturday – Sunday. For both, time switching for light (4 times) or shade (2 times) can be programmed.

ASTRO FUNCTION

The astro function controls light and shade depending on sunrise and sunset.

SUMMER/WINTER CLOCK CHANGE

The change from summer to winter time and back is automatic. In the process, switching times are changed accordingly.

LOCK-OUT PREVENTION

Protection against being locked out: if the locking function is activated, this is shown clearly on the display.

The display switches off automatically after two minutes or a continuous display of the current time is possible . The current time can be saved as the switching time using fast programming. The next blind movement time or switching time is shown on the display. The integrated Astro function, automatic summer/winter clock change and a locking function are also included.

Timer with added convenience

All values are displayed in a clearly readable form with the backlit display of the Standard timer.

The Universal timer Bluetooth

UNIVERSAL TIMER BLUETOOTH

The Universal timer Bluetooth impresses above all with its operating concept. The operation and parametrisation are carried out both mechanically with button presses and mobile with a smartphone with the Clever Config app. The combination with the brightness/temperature sensor allows automatic shade or light control based on sun position. With Bluetooth Low Energy, connecting and data transmission are particularly convenient and secure.

Brightness and temperature sensor
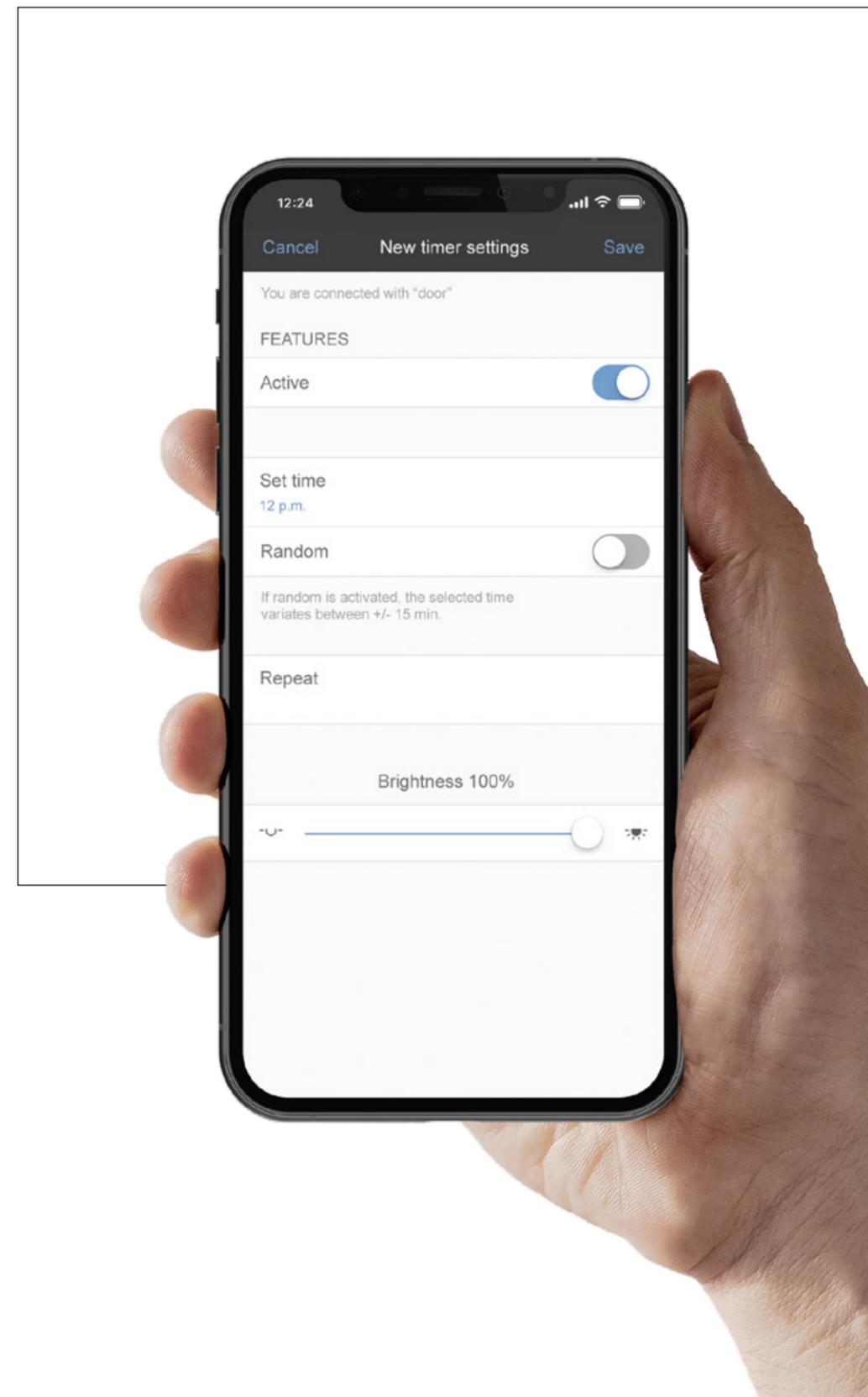
The Clever Config app
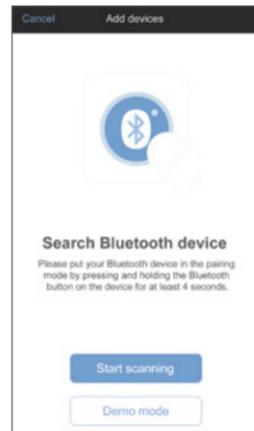
CREATING A CONNECTION

Connecting the app with the LB Management device uses Bluetooth Low Energy. After a successful scan, the devices found are displayed in a clear list. The respective device configurations can then be transferred to the app.
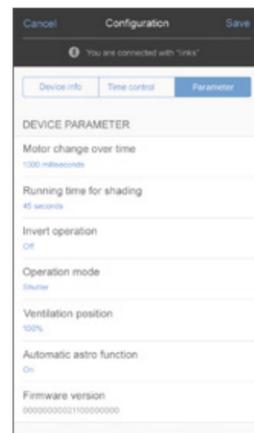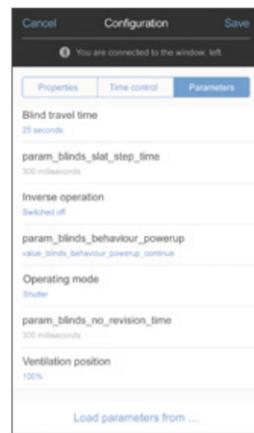
SIMPLE SET-UP

The connected devices can now be assigned to rooms and given a name, which simplifies allocation during operation. In the "Parameters" menu point, the device settings can then be individualised as desired or simply copied from devices already stored.
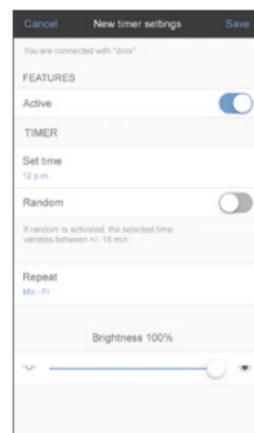
TIMER SETTING

Automatically running timer programmes: creating timer controls for the LB Management is as simple as the alarm on a smartphone. In this way, the respective device is switched on or off or switched to a different status, e. g. "Illumination dimmed 40 %".

ACCORDING TO SUN POSITION

As well as programming by time, the sequences can also be set with the astro function dependent on the sun position. In the course of the year, the times for the blinds/shutters moving out and in, and the switching on and off of the light, adapt to the changing sunrise and sunset times.
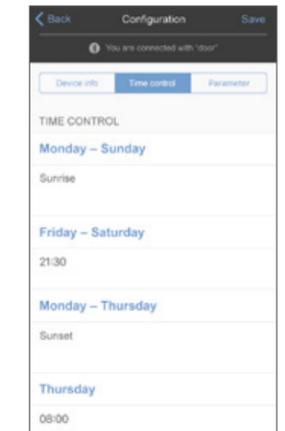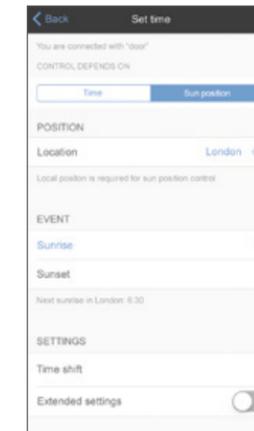
MORE SECURITY

Device configuration and device pairing can be locked with a password and thus protected from unwanted access. The pairing mode can also be protected so that the device cannot be operated with the app by other people.
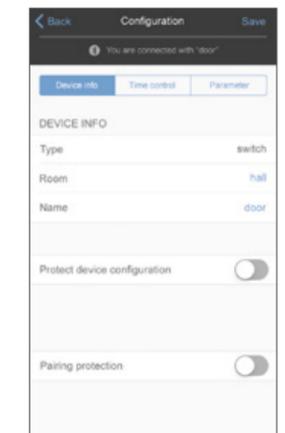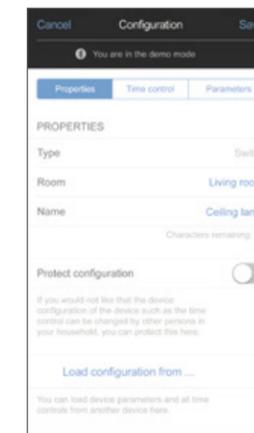
OPERATION MADE EASY

With one finger tip, the lighting is switched on or off or the illumination is dimmed to the desired brightness. Blinds and shutters are moved out or in or into the desired position. Even the louvre angle can be simply set.

More information on the settings for the Clever Config app can be found in the LB Management workbook.
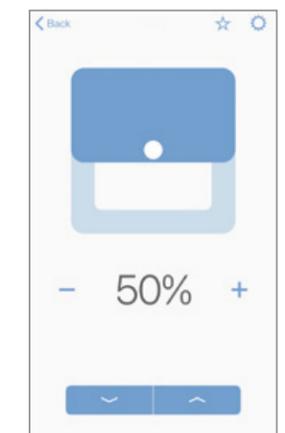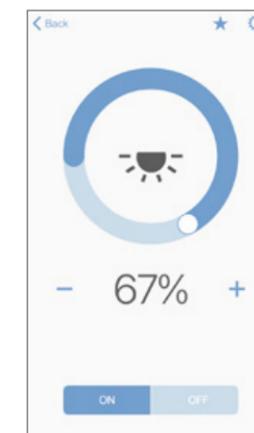
Simply illuminating

Light according to your mood, light on demand – with the components of the LB Management you get more convenience and energy efficiency for your illumination control. Very easy with automatic switches, presence detectors and dimmers.

© JÜRGEN POLLAK

The automatic switches

AUTOMATIC SWITCH 1.10 M
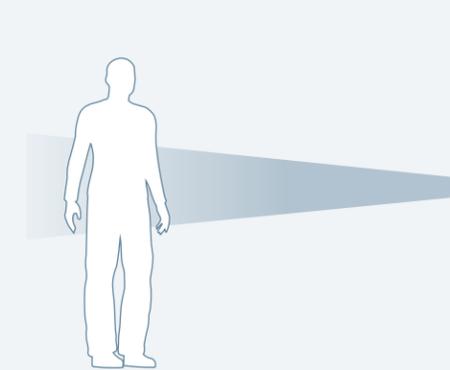
AUTOMATIC SWITCH 2.20 M
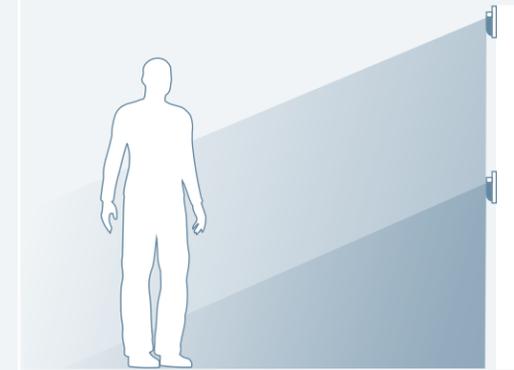
The 180° detection range of the automatic switches is monitored by two PIR sensors that can be used individually or together. In the function as movement detector, they are ideal to use in corridors and passages.

The 2.20 m version can be used very well in offices or recreation rooms. The settings in the universal designs are conveniently made using the Clever Config app.

Settings using
Clever Config app

Automatic switching in many areas

The automatic switches from JUNG allow more security, convenience and energy efficiency. They can not only be used as classic movement detectors but also offer an alarm and night light function alongside a presence simulation.

PRESENCE SIMULATION

With the JUNG presence simulation, the house or apartment has the effect of being occupied when the owners are not at home. LB Management stores the switching operations in normal use that are triggered in the presence of people. When the presence simulation is activated, the lighting is switched on and off dependent on the brightness at the times stored from the previous day.

ALARM FUNCTION

If the alarm operation is activated, the automatic switching becomes a watchdog in JUNG LB Management. The alarm function makes the lighting flash when there is movement in the house or apartment. In this way, burglars are unsettled and neighbours become aware. The alarm function is initiated independent of brightness and can be used with other functions such as presence simulation.

NIGHT LIGHT FUNCTION

With the night light function, automatic switches trigger the light if there is movement during a low light level. The movement detector switches off the lighting again automatically if movement is no longer detected. A typical application case for the function is, for example, the nightly trip to the bathroom where a bright light is unwanted.


HOTEL LIGHT / PILOT LIGHT FUNCTION

The hotel/pilot light function switches the light from a low background lighting to a programmed higher brightness level. The convenience function can be used everywhere permanent pilot lighting is needed and bright lighting is only needed if people are in the detection area of the movement detector.
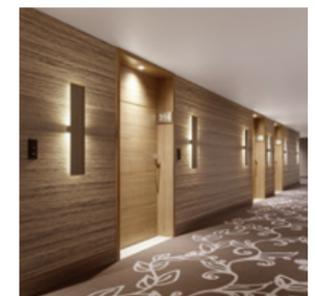
## SET UNIVERSAL AUTOMATIC SWITCHES CONVENIENTLY WITH A SMARTPHONE

The universal automatic switches can be paired with a smartphone via Bluetooth. The Clever Config app then allows simple and convenient configuration and setting. Using the app, the current values and states of the devices can also be displayed and adapted as necessary.

The presence and motion detector

PRESENCE AND MOTION DETECTOR

3 m

∅ 20 m
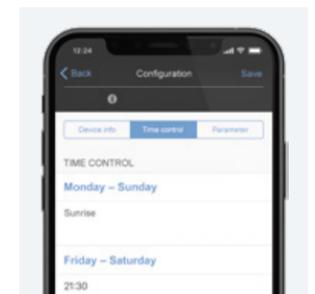
You can rely on the detection characteristics of the motion/ presence detector. When installed at heights of up to six metres, the unit registers everything that is moving within a diameter of approx. 20 m. For this, the device has three PIR sensors operating independently of each other. All settings are made conveniently using the Clever Config app.
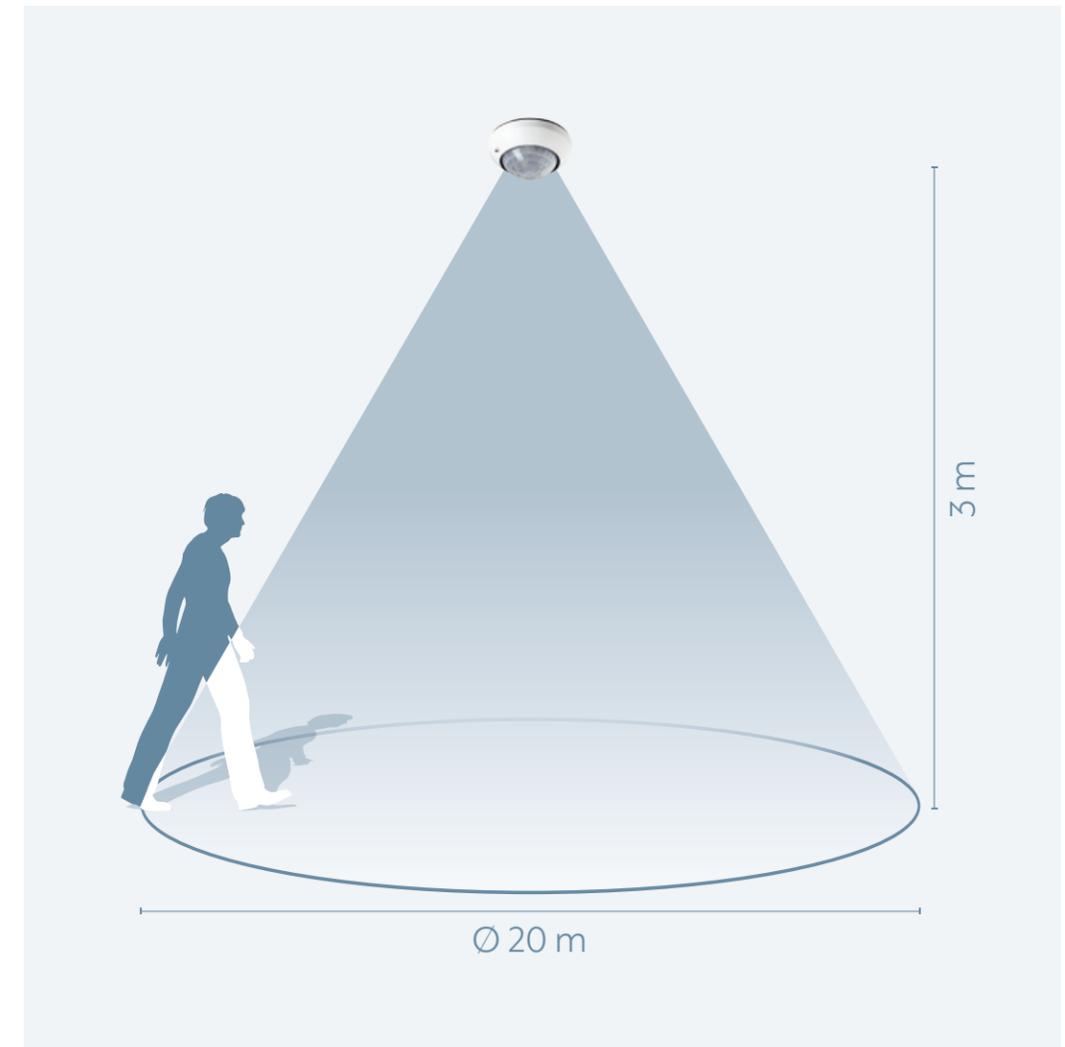
Each of the three PIR sensors is allocated an individually activated area of 120° detection angle. By grouping up to five devices, the detection area can be extended. In its role as a presence detector, the compact device automatically provides, for example, energy-saving lighting of the work area in an office. In corridors and hallways on the other hand, the motion detector demonstrates its strengths. The device has a 360° detection area with a radius of 20 metres – assuming an installation height of three metres. The device has a presence, night light, alarm and hotel function as well as constant light control.

Settings using
Clever Config app

Dimming expertise

For future-proof lighting control, with the LB Management various options are available, including integrating with a DALI light system. The different shapes can be selected according to the features of the room.

2-GANG TOUCH DIMMER UNIVERSAL LED

The 2-gang touch dimmer Universal LED switches and dims the lighting in LB Management. To do so, it works with two independent outputs for two groups of lamps. The load required for dimming can be set automatically or manually. The LED universal 2-gang touch dimmer uses the leading edge phase control or trailing edge phase control principle.

ROTARY DIMMER/POWER DALI POTENTIOMETER

The Standard and Universal rotary dimmers work according to the leading edge phase control or trailing edge phase control principle. Setting the device to the dimming principle that matches the respective consumer is done automatically or also manually for the universal design. A coloured LED indicates the selected operating mode. The Power DALI potentiometer insert operates lamps with DALI interface, including colour temperature control (tunable white).

MINI UNIVERSAL DIMMER LED

The compact dimmer is suitable for installation in standard flush-mounting boxes. The operation of all common lamps is then carried out via a 2-wire satellite unit, rotary satellite unit or a button with make contact. The dimmer mini also uses the leading edge phase control or trailing edge phase control principle.

UNIVERSAL DIMMER FOR RAIL MOUNTING LED/POWER AMPLIFIER

The dimmer version for the distribution also works according to the leading edge phase control or trailing edge phase control principle. The dimmer for rail mounting is operated via a 2-wire or 3-wire satellite unit or with a button with make contact. The power amplifier LED is used as a capacity expansion for spreading larger loads for the LB Management dimmers.

LB Management workbook
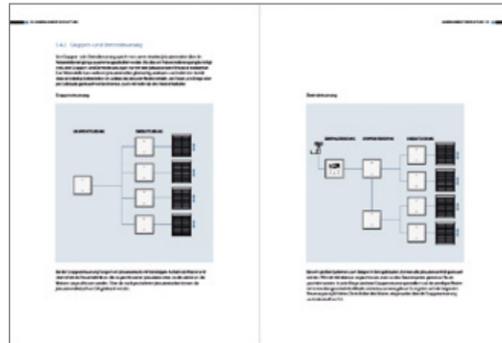
CONTROL VERSIONS

The various possibilities for controlling light and shade described in detail and clearly presented. Including use cases, concrete advantages and notes on connection versions.
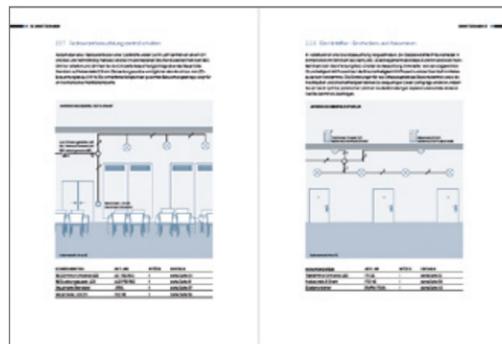
WIRING DIAGRAMS

From simple installation of the individual components to complex installations with multiple satellite units or group switching, the descriptions in the workbook are always provided with concrete wiring diagrams.
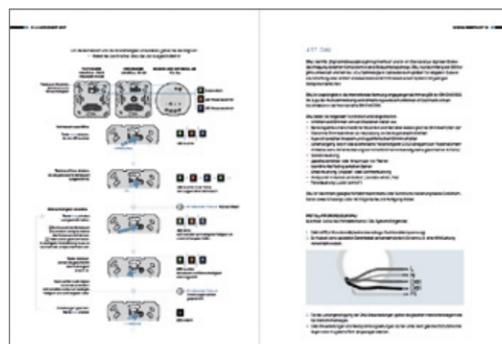
COMMISSIONING

Commissioning and parametrisation of the individual LB Management devices are also explained and illustrated. In this way, the installer can become familiar with the work in advance or also refer to specific areas on location at the site.
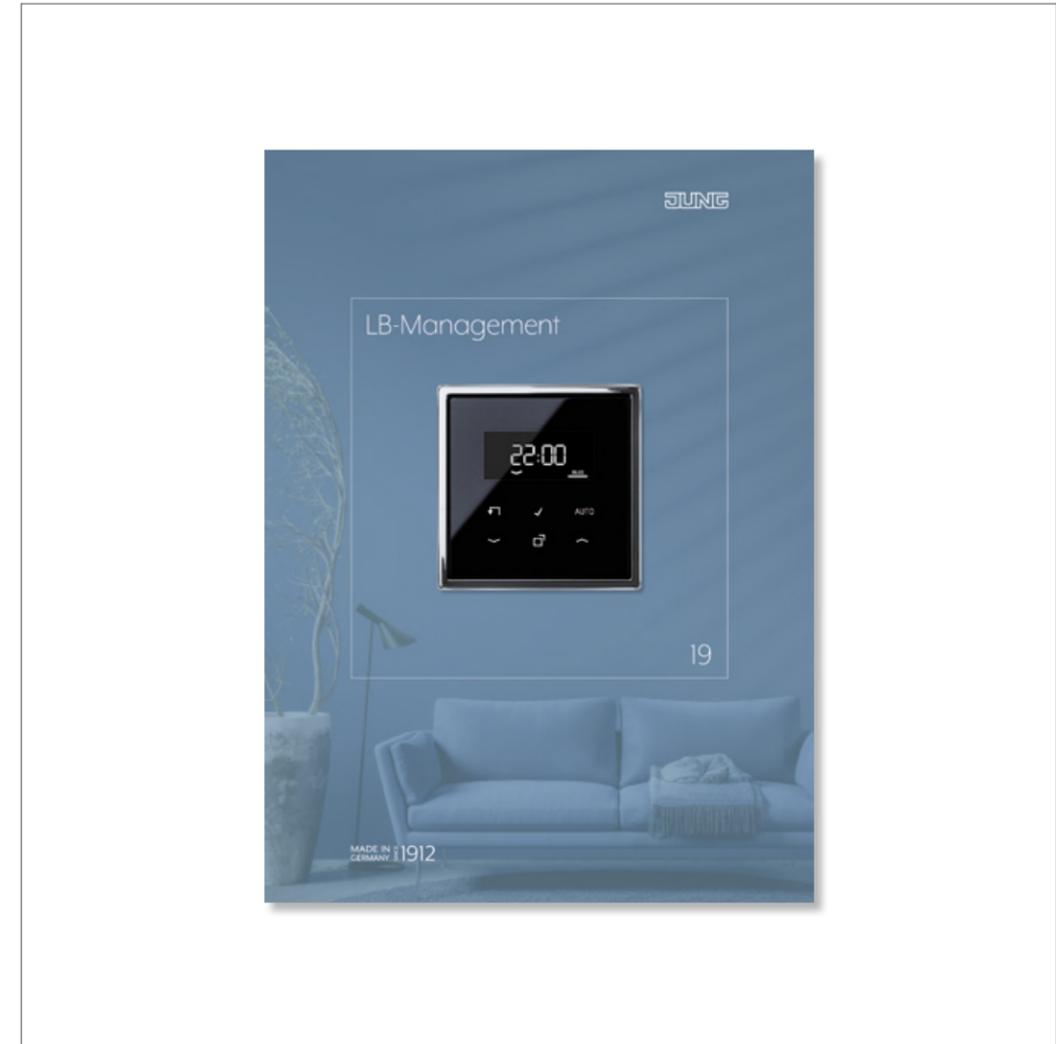
The handbook for the electrical installer: With the LB Management workbook, the professional has all the information on the modular system in the hand. From the individual building blocks to functions and application examples to concrete wiring diagrams – all the valuable information in an overview.

JUNG

ALBRECHT JUNG GMBH & CO. KG

P.O. Box 1320
58569 Schalksmühle
Germany
Phone +49 2355 806-0
Fax   +49 2355 806-204
international@jung.de

For sales contacts in your country see:
jung-group.com/contact

JUNG-GROUP.COM