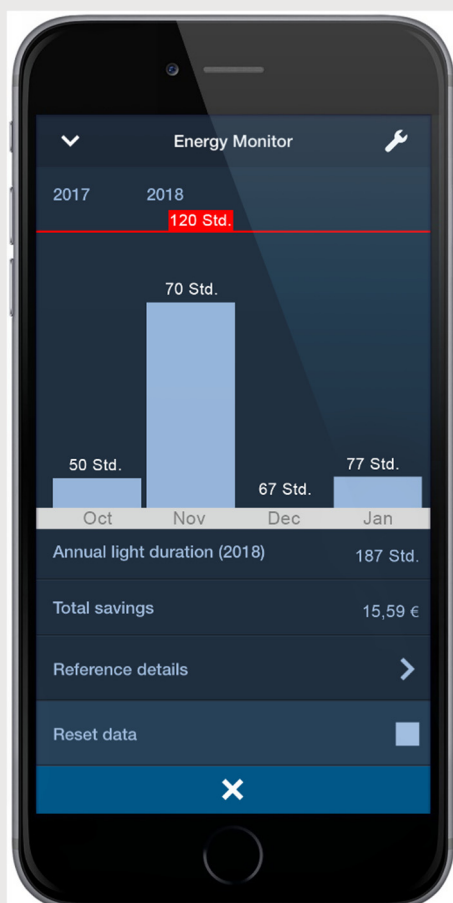


2CKA001473B9617 | 27.06.2018

System Manual

Busch-Presence detector

Busch-Watchdog Remote control



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1 Notes on the instruction manual

Please read through this manual carefully and observe the information it contains. This will assist you in preventing injuries and damage to property, and ensure both reliable operation and a long service life for the device.

Please keep this manual in a safe place.

If you pass the device on, also pass on this manual along with it.

ABB accepts no liability for any failure to observe the instructions in this manual.

If you require additional information or have questions about the device, please contact ABB or visit our Internet site at:

www.BUSCH-JAEGER.com

1.1 Information and symbols used

The following safety symbols are used in the operating manual:



Note

This symbol in connection with the word "Note" indicates useful tips and recommendations for the efficient handling of the product.



Note - Data protection

This symbol in connection with the word "Note - Data protection" indicates relevant topics for data protection.

1.2 Intended use

The app "Busch-WatchdogRemote control" for mobile terminal devices serves for commissioning and operation of presence detectors with Bluetooth® function.

The app can be used for the following devices:

Device Busch-Watchdog	Article no.
Universal BT, e-contact	6817/33-xxx-500
Universal BT, e-contact with sealing ring	6817/93-xxx-500
Universal BT, Relais	6819/31-xxx-500
Universal BT, DALI	6819/35-xxx-500
Corridor BT, Relais	6819/51-xxx-500
Corridor BT, DALI	6819/55-xxx-500

Table 1: Supported devices

2 System requirements

The mobile terminal devices used (e.g. smartphones or tablets) must meet the following system requirements:

Operating system	Android	Apple iOS
From version	5.0	10.0

Table 2: System requirements of the mobile terminal devices

3 Commissioning

3.1 Installation and coupling

1. To load the Busch-Watchdog remote control app from the store, scan the following QR code with the mobile terminal device.

Operating system	Android	Apple iOS
QR code		
Link	https://play.google.com/store/apps/details?id=com.abb.watchdog	https://itunes.apple.com/us/app/watchdog-remote-control/id1361035827?ls=1&mt=8

Table 3: QR codes and links for the app Busch-Watchdog Remote control



Fig. 1: Icon for the app v>T - 02_Product-group -- Busch-Wächter Remote control

2. After the successful installation the icon for the app is displayed on the desktop of the mobile terminal device.

3. Activate the Bluetooth® function of the mobile terminal device.
4. Open the app.
5. Select a user type:
 - Electrician
This user type can adjust all device settings.
 - Users
This user type can only adjust the illumination settings.
6. This app shows a list of the devices within range of the Bluetooth® signal.

4 Operation

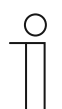
4.1 Menu

Electrician	Users
Change to user view	Change to electrician view
Help	Help
About ABB	About ABB

Table 4: Menu entries of user types

4.1.1 Change view

Switch over between user types



Notice

Alternative: Tap on the icon in the header to change the view.

- Spanner: to change to electrician view
- Person: to change to user view

4.1.2 Help

Link to user information on the website of ABB:

<http://new.abb.com/low-voltage/products/residential-product/new-busch-presence-detectors>

4.1.3 About ABB

- Link to the website of ABB
- License agreement
- Version number of app

4.2 "Device selection" view

List of the devices within range of the Bluetooth® signal with the following details:

- Icon
- Name
- Article no.
- Available firmware updates
- Signal strength of the Bluetooth® signal

4.2.1 Identifying the device

1. In the "Device selection" view tap on the icon of the device.
The blue LED of the device flashes and the icon of the device lights up.

4.2.2 Connecting the app with a device

1. In the "Device selection" view tap on the name of the device.

4.3 Status display and graphic setting area







Icon	Description
	Lamp is switched on
	The lamp remains switched on for the duration of the ON time
	The lamp remains switched off for the duration of the OFF time
	The lamp is switched off
Auto	"Automatic" operating mode is active
	DALI devices: additional switching output with HVAC switching function. Heating/Air-Conditioning/Ventilation (HVAC) switched on
	DALI devices: additional switching output with HVAC switching function. Heating/Air-Conditioning/Ventilation (HVAC) switched off

Table 5: Status display

The graphic setting area is integrated in the status display. Settings can be adjusted by tapping on the icon and additional input fields. The icons and additional input fields are dependent on the device functions.

4.4 Configuring presence detector - Electrical installer



Notice

The devices settings available in the app are dependent on the device functions.

4.4.1 Renaming the device

1. In the "Configure presence detector" view, tap on the name of the device.
2. Enter a new name.
3. Tap on the tick in the footer.

4.5 Sensor settings

4.5.1.1 Trimmer setting blockage

Changes in the switch-off delay and the brightness threshold value via the setting wheels (potentiometer) on the device are ignored.

1. In block "Sensor settings" select an option in field "Potentiometer".

- "Blocked"
Settings can now be adjusted via the app.
- "Limited access after power failure"
Settings can now be adjusted via the app.

The device passwords are retained also after a power failure.



Notice

The device password can be deactivated with this trimmer setting during the first 2 minutes after the power is restored.

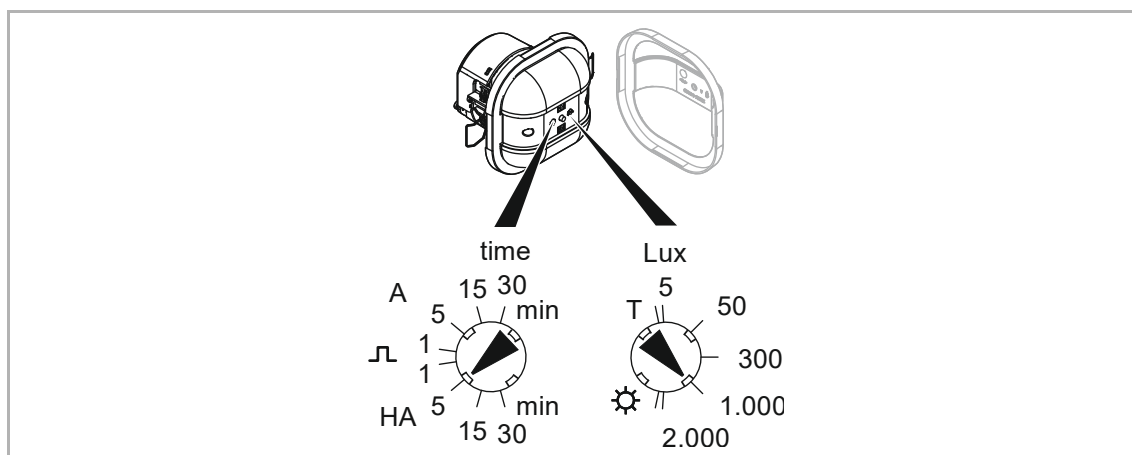


Fig. 2: Trimmer setting

The app can access the device during the next 10 minutes without a device password.

2. Tap on the tick in the footer.

In field "Potentiometer" select the option "Active" to cancel the blockage.

The last setting via trimmer or app remains active.



Notice

The device can be accessed without device password with the options "Active" and "Blocked" during the first 10 minutes after the power is restored. Reading the device passwords is not possible.

4.5.1.2 Activating daylight-dependent control (DALI devices)

The brightness of the light in a room is optimised to the respective use. The normal brightness fluctuations, e.g. due to the sunlight entering the room depending on the time of day, are compensated as far as this is possible via the lighting and the spatial conditions.



Notice

Depending on the reflection and ambient light, the brightness values deviate at the installation site of the device and in the illuminated area.

Generally the lesser brightness value is shown in the app at the installation site of the device.

Reommendation: Check the brightness value in the illuminated area with a brightness measuring device.

1. Activate the slide controller "Constant light control" in block "Sensor settings".
2. In the input field "Target brightness value" enter a value or tap on button "Take over current brightness value".
When the ambient light exceeds the target brightness value, the device increases the brightness value of the light.
When the ambient light drops below the target brightness value, the device reduces the brightness value of the light or switches it off.
3. Activate the slide controller "Consider slave brightness":
 - Position "Inactive"
The brightness values of the slave devices are ignored.
 - Position "Active"
In addition to the brightness value of the master device, the brightness values of the slave device are taken into consideration. If the brightness value transmitted from the slave device during detection of movement is less than the brightness threshold value set on the master device, the light is switched on.
4. Activate the slide controller "Smallest brightness value as reference".
 - Position "Inactive"
The brightness value of the master device is used as control variable for the daylight-dependent control.
 - Position "Active"
From all brightness values of the master device and the slave devices the smallest brightness value is used as control variable for the daylight-dependent control.
5. Activate the slide controller "Limit room brightness":
 - Position "Inactive"
A button connected to an extension unit input can be used in manual mode to set any room brightness value (0 - 100%).
 - Position "Active"
In manual mode the room brightness can be reduced to any value, but not increased above the target brightness value.
6. Tap on the tick in the footer.

4.5.1.3 Setting the brightness switching threshold



Notice

Depending on the reflection and ambient light, the brightness values deviate at the installation site of the device and in the illuminated area.

Generally the lesser brightness value is shown in the app at the installation site of the device.

Recommendation: Check the brightness value in the illuminated area with a brightness measuring device.

1. In block "Sensor settings" enter a value in input field "Brightness switching threshold" or tap on button "Take over current brightness".
When the ambient light drops below the brightness switching threshold the device is switched on.
2. Tap on the tick in the footer.

4.5.1.4 Switchover between short-time pulse and switch-off delay (not for DALI devices)

The output of the device can be configured as electronic current surge switch to activate a staircase light automaton, for example. During the "On" phase, the output is switched on periodically for 1 second and then switched off for 9 seconds. A switch-off delay cannot be set. The short-time pulse is sent as long as movement is detected.

1. In block "Sensor settings activate the slide controller "Short-time pulse".
 - Position "Inactive"
The short-time pulse is inactive. An input field for the switch-off delay is faded in.
 - Position "Active"
The short-time pulse is active.
2. Tap on the tick in the footer.

4.5.1.5 Activating dynamic switch-off delay

The dynamic switch-off delay is mainly intended for all rooms in which persons only remain for a brief period. If the device only detects minimal movement, the switch-off delay is shortened, e.g. from 15 minutes to around 3 minutes.

1. In block "Sensor settings" tap on "Additional sensor parameters".
2. Activate the slide controller "Dynamic switch-off delay".
3. Tap on the tick in the footer.

4.5.1.6 Setting the sensitivity in the interior area

The device has a passive infrared sensor per sector. The 4 sectors can be set individually or deactivated.

1. In block "Sensor settings" tap on "Additional sensor parameters".
2. Tap on "Set sensitivity".
3. Deactivate the slide controller "Outdoor application".
The sectors of the device and the current sensitivity are displayed in %.
4. Tap on a sector to select it.
5. To set a sector, select a value in the bar.
6. After you have set all sectors, tap on the tick in the footer.

4.5.2 Operating mode selection

1. Select an operating mode in block "Operating mode":
 - "Automatic"
 - The light switches on fully automatically due to detected movements in the surveillance area. The brightness threshold must be below the set value.
 - The light is switched off after leaving the room plus a set switch-off delay or when the set brightness threshold is exceeded.
 - "Semi-automatic"
 - An extension unit operation is necessary to switch the light on, e.g. via a push-button. The behaviour is then the same as in operating mode "Automatic".
 - The light is switched off after leaving the room plus a set switch-off delay or when the set brightness threshold is exceeded.
 - "Semi-automatic, comfort"
 - An extension unit operation is necessary to switch the light on when entering a room, e.g. via a push-button. The behaviour is then the same as in operating mode "Automatic". The light is switched off automatically when the set brightness threshold is exceeded.
 - If the brightness drops below the brightness-value threshold when there is presence in a room, the light is switched on automatically. In semi-automatic mode an extension unit operation would in this case be necessary, e.g. via a push-button.
 - The light is switched off after leaving the room plus a set switch-off delay.
2. Tap on the tick in the footer.

4.5.3 Actuator settings – Actuator 1

4.5.3.1 Selecting switching behaviour

1. Tap on "Actuator 1" in block "Actuator settings".
2. Select a switching behaviour in block "Switching behaviour".
 - Normally closed contact: The contact opens when a movement is detected.
 - Normally open contact: The contact closes when movement is detected (preferred behaviour).
3. Tap on the tick in the footer.

4.5.3.2 Setting continuous light

This function is used to set the times for continuous light and the continuous OFF operation as well as the function of the extension unit coupling.

1. Tap on "Actuator 1" in block "Actuator settings".
2. DALI devices: Activate the slide controller "Activate via push-button" in block "Activate/deactivate continuous light".
 - Position "Inactive"
A 2gang push-button is used for manual dimming up and down. The 2gang push-button is connected to the Extension unit connection 6494-500.
 - Position "Active"
The continuous light / continuous OFF function can be activated via push-button / 2gang push-button. The push-buttons are connected to the Extension unit connection 6494-500.
3. Enter the values into the input fields.
The continuous ON and continuous OFF time can be specified individually.
4. Tap on the tick in the footer.

4.5.3.3 Activating soft phase-in and soft phase-out

The light can be switched on and off via a dimming process. The times can be set in dependence of the device.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Activate the slide controller "Soft On" in block "Soft On/Off".
An input field for the duration of the soft phase-in is faded in.
3. Activate the slide controller "Soft Off".
An input field for the duration of the soft phase-out is faded in.
4. Enter the values into the input fields.
5. Tap on the tick in the footer.

4.5.3.4 **Activating switch-off pre-warning**

The light flashes one minute before deactivation. This function is practical for stairwells, for example.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Activate the slide controller "Switch-off pre-warning" in block "Additional settings".
3. Tap on the tick in the footer.

4.5.3.5 **Activating memory function (DALI devices)**

The brightness value set last is used during switching on.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Tap on the slide controller "Memory function" in block "Additional settings".
 - Position "Inactive"
The light is switched on with a basic value of approx. 70%.
 - Position "Active"
The light is switched on with the last brightness value set.
3. Tap on the tick in the footer.

4.5.3.6 **Setting minimum brightness and maximum brightness (DALI devices)**

1. Tap on "Actuator 1" in block "Actuator settings".
2. Tap on the slide controller "Minimum brightness" in block "Additional settings".
 - Position "Inactive"
The lower control range is not limited with a minimum brightness specification.
 - Position "Active"
The light control maintains the brightness above the minimum brightness.
3. Tap on slide controller "Maximum brightness"
 - Position "Inactive"
The upper control range is not limited with a maximum brightness specification.
 - Position "Active"
The light control maintains the brightness below the maximum brightness.
4. Enter the values into the input fields.
5. Tap on the tick in the footer.

4.5.3.7 **Setting the behaviour after return of voltage on the DALI electronic ballast (DALI devices)**

1. Tap on "Actuator 1" in block "Actuator settings".
2. Select an option in field "Power On level" in block DALI settings".
 - Option "Off"
The DALI operating devices remain switched off after return of voltage.
 - Option "Memo"
The brightness value set last is used after return of voltage.
 - Option "100%"
The maximum brightness value is used after return of voltage.
3. Tap on the tick in the footer.

4.5.3.8 Adjusting the colour temperature (DALI devices)

The white temperature value of tuneable white DALI lamps can be set on the DALI master. The lamp can cause deviations in the set value.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Enter a value in input field "Colour temperature" in block "DALI settings".
3. Tap on the tick in the footer.

4.5.3.9 DALI-Betriebsgeräte auf Resetting DALI operating devices to the factory settings (DALI devices)

1. Tap on "Actuator 1" in block "Actuator settings".
2. Tap on "Reset operating devices" in block "DALI settings".
3. Tap on "OK" to reset all DALI operating devices connected to the master device to the factory settings.
4. Tap on the tick in the footer.

4.5.3.10 Einbrennfunktion für Activating the warm-up function for fluorescent lamps (DALI devices)

1. Tap on "Actuator 1" in block "Actuator settings".
2. Activate the slide controller "Warm-up function" in block "Fluorescent lamps".
3. Select an option in field "Warm-up method".

– "Continuous"

The warm-up function is active. The fluorescent lamps burn during the warm-up period without interruption.

– "Totalized"

The warm-up function is active until the fluorescent lamps have burned until the total of the set time. Interruptions are possible. Basis for the meter of the warm-up function is the operating hours meter of the fluorescent lamps.

4. Enter a value in input field "Warm-up time". The lamp cannot be dimmed during the warm-up period.
5. Option: To reset the operating hours meter after a change of the fluorescent lamps, tap on "Reset operating hours meter".
6. Tap on the tick in the footer.

4.5.3.11 Activating basic brightness (DALI devices)

The basic lighting can be used time controlled or brightness controlled and, for example, serves the reducing lighting of corridors or stairwells.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Select an option in block "Basic brightness".
 - "Off"
The basic brightness function is inactive.
 - "Brightness dependent"
When the brightness is below the brightness switching threshold and the device does not detect movement, the light is reduced to the basic brightness. The light is switched on completely when movement is detected.
Input fields for the illumination value and brightness switching threshold are faded in.
 - "Time dependent"
The basic brightness is active in the defined time window. The light is switched on completely when movement is detected.
Input fields for the illumination value and the time window are faded in.
The slide controllers "Astro function" are faded in for the start time and end time.
 - Position "Inactive"
The Astro function is inactive.
 - Position "Active"
The Astro function is active. The device calculates the start time and the end time from the GPS data of the coupled mobile terminal device. The device shifts the start time and end time according to the current twilight status.
3. Enter the values into the input fields.
4. Tap on the tick in the footer.

4.5.3.12 Activating night light (DALI devices)

The night light function is, for example, useful when getting up during the night so that one is not dazzled by the sudden brightness of the light that switches on automatically.

When movement is detected, the behaviour of the load output can be adjusted. The switch-on brightness is reduced within the set time window. The switch-on brightness can be set on values between basic brightness and maximum brightness.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Activate the slide controller "Night light function" in block "Night light function".
Input fields for the time window and the brightness of the night light are faded in.
3. Enter the values into the input fields.
4. Tap on the tick in the footer.

4.5.3.13 **Activating step-wise switch-off (DALI devices)**

The lighting is first reduced to an intermediate step within the switch-off duration and switched off. This function corresponds to the EnEV (EN 15232, chapter 5.1.2) with the specified values of 5 minutes switch-off delay and 20% brightness of the intermediate step.

1. Tap on "Actuator 1" in block "Actuator settings".
2. Activate the slide controller "Time-delayed switch-off" in block "Step-wise switch-off".
Input fields for the switch-off time and the brightness of the intermediate step are faded in.
3. Enter the values into the input fields.
4. Tap on the tick in the footer.

4.5.4 **Actuator settings - Actuator 2 (DALI devices)**

An additional switching output can be linked as normal with the DALI switching state, i.e. with the presence detection function or independent from it directly via the app. Additional applications are, for example, panel light, heating / air conditioning / ventilation or direct switching or the deactivation of voltage of DALI operating devices. One of each of the additional applications can be allocated.

4.5.4.1 **Activating switching function - Deactivated**

Deactivates the additional switching output (actuator 2).

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Deactivated" in block "Switching function".
3. Tap on the tick in the footer.

4.5.4.2 **Activating switching function - brightness independent**

The additional switch contact responds independent of the ambient brightness. Every detected movement switches the relay output or start time-dependent function anew.

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Brightness independent" in block "Switching function".
3. Select a switching behaviour in block "Switching behaviour".
4. Tap on the tick in the footer.

4.5.4.3 **Activating switching function - disconnecting DALI operating devices**

This function makes it possible to disconnect the DALI operating devices completely to save additional energy costs (standby consumption).

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Disconnect DALI operating devices" in block "Switching function".
3. Tap on the tick in the footer.

4.5.4.4 **Activating switching function - synchronised operation**

With the synchronised operation function the additional switching contact (actuator 2) is synchronised with the switching status of actuator 1 (e.g., DALI output). This means: OFF if actuator 1 is switched off and ON if actuator 1 is switched on and/or has reached any dimming value.

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Synchronised operation" in block "Switching function".
3. Select a switching behaviour in block "Switching behaviour".
4. Tap on the tick in the footer.

4.5.4.5 **Activating switching function - panel light**

Additional illumination can be switched on and off separately. E.g. illumination for a blackboard in school classrooms. The additional illumination also switches off automatically together with the ceiling lights.

The operation of the additional illumination is carried out via separate push-buttons (ON/OFF). The push-buttons are connected via the 6494-500 Extension unit connection.

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Panel light" in block "Switching function".
3. Select a switching behaviour in block "Switching behaviour".
4. Tap on the tick in the footer.

4.5.4.6 **Activating switching function - manual**

The additional switching contact (actuator 2) is switched only manually via the app. There is no dependence to actuator 1 (e.g. DALI output).

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "Manual" in block "Switching function".
3. Select a switching behaviour in block "Switching behaviour".
4. Tap on the tick in the footer.

4.5.4.7 **Activating switching function - heating, air conditioning, ventilation**

The "HVAC" operation mode (heating, air conditioning and ventilation) enables a purely presence-dependent switching of the additional switch contact (actuator 2). The ambient brightness is not taken into consideration here.

This function, for example, is used to control a fan motor in WC facilities.

1. Tap on "Actuator 2" in block "Actuator settings".
2. Tap on "HVAC" in block "Switching function".
3. Select a switching behaviour in block "Switching behaviour".
4. Tap on slide controller "Dynamic control"
 - Position "Inactive"
The input fields for the switch-on delay and the switch-off delay are faded in.
 - Position "Active"
The input field for the switch-off delay is faded out. The switch-off delay aligns itself to the ON period. The longer the device connected to the presence detector was switched on, the longer is the switch-off delay.
5. Enter the values into the input fields.
6. Tap on the tick in the footer.

4.5.5 **Service functions**

4.5.5.1 **Start/activate test mode**

During the activation test the device switches on at each brightness for approx. 2 seconds.

1. Tap on "Test mode" in block "Service functions".

The detection range of the device which divided into 4 sectors is displayed. When the device detects movement, every sector with movement turns coloured and is highlighted with an icon. And the red LED flashes additionally for the duration of the detection. A detected movement of a connected slave device is also displayed in section "Slaves". If several slave devices are connected, allocation of movement to the individual slave devices is not possible.
2. To identify the connected lamps or other actuators, tap on "Identify actuator x" in block "Test mode settings":

The lamps connected to the switching outputs flash briefly.

 - To stop the connected lamps from flashing, activate the slide controller "Deactivate outputs":
The switching outputs of the device are deactivated. The switching process is displayed in the app and signalled on the device via the LED.
3. Tap on "End test mode" to finish the test mode.

4.5.5.2 Perform firmware update

All settings of the device are retained during a firmware update.

1. Tap on "Firmware update" in block "Service functions".
If a firmware update is available for the connected device, the new firmware version is displayed.
2. Tap on "Install now".
A progress display documents the download of the new firmware version.
3. To complete the firmware update, follow the displayed dialogues.
The device restarts after the update is finished.

4.5.5.3 Entering reference details for the energy monitor

The energy monitor displays the user type "User" the operating times of the device as a yearly overview for the last 5 years. User type "User" can enter the electricity rate. The remaining reference details can only be entered by user type "Electrical installer".

1. Tap on "Energy monitor" in block "Service functions".
2. Enter the values into the input fields.
3. Tap on the tick in the footer.

4.5.6 Reset to factory settings

1. Tap on "Reset factory settings" in block "Service functions".
2. Tap on "OK" to reset all settings and passwords of the device.

4.5.6.1 Managing passwords

Device passwords can be displayed and changed with this function.



Notice

Reading the device passwords is not possible. To be able to display passwords, enter device passwords in the app, e.g. during commissioning or device configuration.

Only user type "Electrical installer" can have passwords displayed.

1. Tap on "Manage passwords" in block "Service functions".
2. Enter at least 4 characters into input field "Electrical installer password" for user type "Electrical installer".
Activate the slide controller "Display password" to display the password.
3. Enter at least 4 characters into input field "User password" for user type "User".
Activate the slide controller "Display password" to display the password.
4. Tap on the tick in the footer.

4.5.6.2 Assigning a device to a building

Aside from the device name, additional free text details can be stored for each device.

1. Tap on "Building assignment" in block "Service functions".
2. Enter the values into the input fields.
3. Tap on the tick in the footer.

4.5.6.3 Enabling functions to user

Aside from visibility in the installer view, selected setting and device functions can also be enabled for user type "User".

1. Tap on "Enable for user" in block "Service functions".
2. To enable a function, activate the slide controller of the function.
 - Setting the brightness switching threshold, See "brightness switching threshold " on page 28.
 - Setting the switch-off delay, See "switch-off delay" on page 28.
 - Energy monitor, See "Energy monitor" on page 27.
3. Tap on the tick in the footer.

4.6 Configuring presence detector - user



Notice

The devices settings available in the app are dependent on the device functions.

4.6.1 Energy monitor

The energy monitor displays the user type "User" the operating times of the device as a yearly overview for the last 5 years. The savings compared to the reference details (no presence detector used) are displayed in the domestic currency. The national currency is determined from the location settings of the mobile terminal device. A bar diagram provides an additional overview about the monthly ON period in comparison to the duration of reference lighting.



Notice - Data protection

The presence detector stores the accumulated daily switching times (ON period) also when the "Energy monitor" function has not been activated via the app.

4.6.1.1 Entering the electricity rate and displaying the reference details

User type "User" can enter the electricity rate. The remaining reference details can only be entered by user type "Electrical installer".

1. Tap on "Energy monitor".
2. Tap on "Reference details", See "reference details" on page 25.
3. Enter a value in input field "Electricity rate per kWh".
4. Tap on the tick in the footer.

4.6.1.2 Reset data

The data stored in the presence detector for the ON period of actuator 1 are reset to zero.

1. Tap on "Energy monitor".
2. Tap on "Reset data".
3. Tap on "OK" to reset the data in the energy monitor.

4.6.2 Settings



Notice

The functions presence simulation, basic lighting and nightlight are dependent on time and use the time function integrated in the presence detector.

After a power failure the time is reset to 0:00. When time-dependent functions are activated, the power failure is signalled by means of occasional flashing of the blue LED.

After connection with the app, the time is synchronized automatically and the device is again fully operational.

4.6.2.1 Activating presence simulation

The presence simulation runs when the user is on holiday, for example. During this time, the light goes on and off as if someone were home.

Time range	Time window	Continuous light	Random switching of light	Random duration
Evening	Start time up to 11 p.m.	On	Up to 3 times Off	3 to 20 minutes
At night	3 a.m. to 6 a.m.	Off	Up to 3 times On	1 to 3 minutes
Morning	6 a.m. up to end time	On	—	—

Table 6: Presence simulation

The presence simulation is deactivated during a power failure. As soon as the presence detector is connected with the mobile terminal device via Bluetooth®, the presence simulation is activated again.

The set switch-off delay is ignored during presence simulation.

1. Tap on "Settings".
2. Activate the slide controller "Presence simulation".
Presence simulation is active.
Input fields for the time window are faded in.
3. Enter the values into the input fields.
4. Tap on the tick in the footer.

4.6.2.2 Setting the brightness switching threshold

When necessary, the user type "User" can adjust the brightness switching threshold or the brightness target value with this function.

1. Tap "Settings".
2. In block "Sensor settings" enter a value in input field "Brightness switching threshold" or tap on button "Take over current brightness".
When the ambient light drops below the brightness threshold value, the device is switched on.
When the daylight-dependent control has been activated, the value entered is used as brightness target value.
3. Tap on the tick in the footer.

4.6.2.3 Setting switch-off delay

With this function the user type "User" can set the switch-off delay.

1. Tap "Settings".
2. Enter a value in input field "Switch-off delay" in block "Sensor settings"
3. Tap on the tick in the footer.

5 Notes

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