animeo IB+

4 Zone/8 Zone TouchBuco
4 Zone/8 Zone TouchBuco BACnet

Manual

Ref. 1860254/1860255
Ref. 1870474/1870475, 1860308/1860309

somfy.

Table of Content

1 Wizard

1.1 Select

If you wish to make the setting in a step by step process, please select "Wizard". If you select "Main Menu", you have access to all adjustment options.

1.2 Locals

Select the menu language. You can set the units either automatically (= Auto units enabled) or manually.

1.3 Date/Time

Here you set the time, date and time zone. Navigate through the time zones by using the grey arrows. The UTC (Universal Time Clock - with no summer or winter time) is used as the reference time. When using the Compact Sensor, the time can automatically be synchronized by the integrated GPS receiver.
Hit "Apply" to confirm the entries.

⚠ The correct setting is necessary when using the timer function with dusk activation, as well as the sun protection function with sun-tracking.

You can access all global zones using the magnifying glass.

1.4 Location

Enter your geographical location.

⚠ This entry is necessary if you wish to use the defined dusk time for switching times with timer functions (with or without disabling function). When using a fixed switching time, this is not necessary.
This entry is also required if you use sun tracking for the sun protection function. When using a fixed position and/or an angle, this is not necessary.

You can find the longitude and latitude for your location via the Internet, for example via "Google Maps":

Step 1: Navigate to http://maps.google.com via your web browser
Step 2: Enter your location
Step 3: Right-click on the icon and select "What is here?"
Step 4: Read off the longitude and latitude (up to 2 places after the decimal point)
and enter it in the TouchBuco: Latitude: 48.48° longitude: 8,95°

1.5 Installation Test

Here you can check whether all motor controllers (potentially motor controllers with integrated operator button, such as Smoove UNO IB+) are correctly connected. Please work your way through the commands from "Step 1" to "Step 3" one after the other. A visual inspection of the entire sun protection system is required after each step. If the end products/motorized products are not moved to the position where they should be according to the functional description in the display, have your system re-checked by the installation technician.

It is important to always complete the procedure with step 3, as the local controls (buttons in the room) will otherwise be locked. You may need to execute this command several times to ensure that all end products/motorized products have ultimately moved to the limit switch position of their drive.

Caution:

1. "Down Command" means that the end products/motorized products (roller shutters, Venetian blinds, etc.) are being lowered or that a window is being opened.

2. "Up Command" means that the end products/motorized products (roller shutters, Venetian blinds, etc.) are being raised or that a window is being closed.

3. „Up Command“ means that the end products/motorized products(roller shutters, Venetian blinds etc.) are being raised and manual control is unlocked.

The following errors should be eliminated by a specialist:

1. Several or all drives move in the wrong direction.

   Cause: The up and down connections on the drive of the motor controller have been swapped.

2. The motor controller (for 1, 2, 4 or 6 drives) does not execute any command.

   Possible causes:
   - The motor control unit has no mains voltage.
   - The bus is not correctly connected (pay particular attention to "com" and "IB+" wires).If your system is connected correctly, the red LED on the motor controller will light up as soon as a command is received here. If this is not the case, please have your system checked again by your specialist dealer.

3. Several drives are not being activated (i.e. they do not move to the intended position).

   Possible causes:
   - Check the fuses on the motor controller (only for 4-unit device).
   - The thermal protection may have been activated on one drive (e.g. after many long movements). Wait 15 minutes and then repeat the test.

1.6 Choose Weather Station

You can choose from five options here:

1. Compact Sensor (compact weather station) with integrated sensor (wind, sun, outside temperature, rain).

2. Outside Sensor Box (large weather station with connection box) to which multiple individual sensors can be connected.

3. M8 (weather station) with integrated sensor (wind, 4 x sun, outside temperature, rain).

4. M13 (weather station) with integrated sensor (wind, wind direction, 8 x sun, outside temperature, rain).

5. Not used (e.g. for demo purpose).

Have the weather station installed by a specialist. Please pay attention to the installation instructions (e.g. with regards to sensor alignment).

Selecting "Master": When using one TouchBuco unit with one weather station, this must be set up as "Master".

When operating multiple TouchBuco units with one weather station, one TouchBuco must be selected as "Master". All other TouchBuco units must NOT be selected as "Master", as this can lead to communication problems.

Connecting the weather station: The sensor technology (Compact Sensor, Outside Sensor Box, M8 or M13) is connected to the TouchBuco via 2 cables (A - B). Please ensure the correct polarity when connecting. The maximum cable length is 500 m. Further wiring topologies are also possible, assuming they use RS485 sensor hubs. Have a specialist perform the installation to prevent damage to the system and your weather station.

1.7 Choose external sun sensors

You have selected the **Outside Sensor Box** as weather station. Now specify which outside sensors are connected. If you have selected the wrong sensors, you will later receive an error message, since the system then does not receive complete data from the weather station.

Sensor connections:

A maximum of 8 sun sensors can be connected to the station. Sensors that are not connected must be deactivated to prevent malfunctions. Carefully consider the best location for the sensors.
Example: Start with sensor 1, which you may install e.g. on the north side. We then recommend installing sensors 2, 3 up to 8, working clockwise, i.e. towards north-east, east, etc.

1.8 Choose external wind sensors

You have selected the **Outside Sensor Box** as weather station. Now specify which outside sensors are connected. If you have selected the wrong sensors, you will later receive an error message, since the system then does not receive complete data from the weather station.

Sensor connections:

- 1 or 2 wind sensors: Now specify for each sensor whether it is "heated" (ref. 9140180) or "Standard" (= unheated, ref. 9001608). The characteristic curves are different. An incorrect selection will lead to incorrect measured values. If you only require one wind sensor or none, you will need to deactivate any sensors not being used ("Not connected").
- Wind direction

1.9 Choose external other sensors

You have selected the Outside Sensor Box as weather station. Now specify which outside sensors are connected. If you have selected the wrong sensors, you will later receive an error message, since the system then does not receive complete data from the weather station.

Sensor connections:

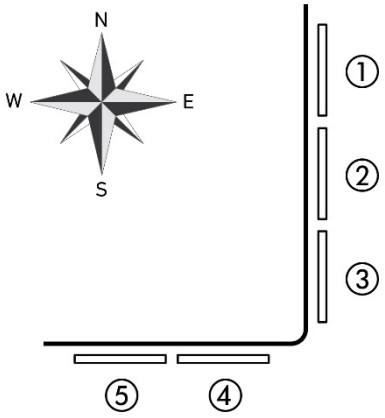
- Outside Temperature
- Rain Sensor

1.10 Define number of zones

Specify how many sections/zones the project is divided into (1 - 4/1 - 8). You can also designate individual zones.

Examples of how to define a zone or section:

You have a project with the following layout and 5 motorized products (roller shutters, venetian blinds, etc.):



Example 1
1 to 5 are exterior Venetian blinds: Since there are two façade fronts facing different directions, two zones seem to be the best option in this case. For anyone wishing to set up completely independent automatic functions on a single façade front (for example different switching times for bedrooms, office, conference room, etc.), this façade front can be split into multiple zones.

Example 2
1 and 2 are roller shutters, while 3 to 5 are exterior Venetian blinds: Since you have roller shutters and one exterior Venetian blind installed on the east-facing façade, you should ideally split this front into two zones. In this example, you therefore have three zones. But why split up the east-facing façade? As you typically enable a wind alarm for the Venetian blind and not for the roller shutters. Aside from this, you wish to move the Venetian blind to a position with subsequent slat turning in the event of direct sun. In the case of a roller shutter, there is no slat turning, only an up/down command.

1.11 Learn Zones

After you have checked the wiring of the motor controllers and set up the zones correctly, you can now assign the motor controllers/drives to the zones. You can choose between standard assignment and advanced assignment here.

Procedure 1:

1. **Use the white arrows to select the section/zone (1 - 4/1 - 8).** You can also tap on the zone field (1 – 8) directly.

2. **Enable programming mode by pressing "START".** All LEDs on the motor controller now flash in circulation to indicate that the unit is ready for programming mode. With the Smoove UNO IB+, the LED flashes in various colors. To assign the corresponding motorized product to the selected zone, press the connected button or the programmed remote control on the motor controller. Local operator functionality is integrated with the Smoove UNO IB+. On the animeo IB+ motor controller, however, it needs to be connected. With the 4-unit animeo IB+ motor controller with pluggable radio receiver, you can even use the remote control.

All drives that move as a result of local operator actions are now automatically assigned to the corresponding zone. As soon as all motor controllers have been programmed, you need to complete the procedure by clicking on OK in the "End Programming Mode" field. Use the white forward and back arrows to select another zone and repeat the process.

⚠ The programming mode is enabled for a maximum of 10 minutes. Once this time has elapsed, the motor controllers automatically exit this mode. If the time was not enough to make all necessary settings, you can re-enable programming mode. If a motor controller was already assigned to a zone, the previous value will be overwritten with the new programming process.

3. **"Learn not assigned Motor Controllers".** Motor controllers that have already been programmed are excluded from assignment here. This prevents existing assignments from being overwritten by mistake. You can tell when a motor controller is in programming mode, as the unit's LEDs run a circulating pattern. With the Smoove UNO IB+, the LED flashes in various colors. To select this option, move the cursor to the right (the cursor turns yellow).

Procedure 2:

Individual motor controllers are assigned via device number (ID). As such, you require the ID address of the motor controllers. These can be found on barcode stickers on the devices themselves (example "ID: 8390363"). With the Smoove UNO IB+, the address is printed on the rear of the front panel.
Set a check mark for the outputs of the motor controller which are to be assigned to the zone (1 – 4).
Enter the ID address of the motor controller in the field and then hit "Learn". Conversely, you can also delete individual motor controller assignments by clicking on "Unlearn" instead of "Learn".

1.12 End Product

Once you have specified how many zones/sections are required, you now need to determine which end product is installed on a zone-by-zone basis.
This selection must be made very accurately, as it is critical for smooth functioning of the system. For example, if you define a Venetian blind as a roller shutter, you cannot later set up any slat turning options for this motorized product.

The setting refers only to the zone that is shown in black on the screen. You can navigate from zone to zone using the white forward and back arrows. Do not exit the menu until all zones have been set up. You can also tap on the zone field (1 – 8) directly.

Selecting the end product: You can use the black forward and back arrows to navigate through the selection list.

Selecting "Outside"/"Inside": You can narrow down the product selection by first defining whether the motorized product is installed outdoors or indoors.

Selecting "Standard Motor"/"Electronic Motor": An electronic drive has different start-up behavior than a standard drive. Taking this parameter into account improves operating ergonomics and the positioning accuracy of the end product/motorized product.

The following Somfy drives can be used in combination with TouchBuco and animeo IB+ motor controllers:
- Standard Motor: LT, SLT, LS and J4 ranges (without WT designation).
- Electronic Motor: WT range (Oximo, Ilmo, Orea) and J4 WT

If you are uncertain regarding units from certain manufacturers, please get in touch with your specialist dealer or the actual manufacturer in question.

End products/motorized products used outdoors:

Venetian blind 90°/0° (type 1): It moves down with closed slats and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 90°/- 90° (type 2): It moves down with closed slats and also up with closed slats (rotated inwardly). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 3 EL 90°/0° (type 3): It moves down with slats at an angle of 45° and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Louver (tilt only): The slats can only be turned here (no pull cord). The blind moves neither upwards nor downwards.

Screen: This type of awning behaves like a roller shutter, moving just up and down. However, it is made of textile material and must therefore be protected from outdoor weather influences. It may, for example, require a wind brace at wind speeds above 6 m/s. The wind values should be obtained from the respective awning manufacturer. Somfy accepts no liability for incorrect setups.

Drop arm awning: This is also made of textile material and only moves up and down, although not parallel to the façade. A boom is used to extend the cloth into a 45° position relative to the façade.

Roller Shutter: Only moves up (0 % position) and down (100 % position).

Markisolette: A textile motorized product that first moves downwards parallel to the façade until it reaches around half way, when it is then moved into a 45° angle relative to the façade by extending a boom. Only moves up and down.

Folding arm awning: With folding arm awnings, the awning cloth of two or more arms is moved and tensioned. The awning cloth can therefore fail in the horizontal direction, although a slight inclination is generally set to prevent this. With the jointed-arm approach, the awning arms are angled when retracted and outstretched when extended.

Vertical fixed louvers (tilt only): This is a blind-based system that can only be turned vertically.

ZIP Screen: Behaves like a screen but is significantly more wind-resistant due to the zipper principle on the left-hand and right-hand side of the motorized product. A wind brace is used for speeds above approximately 30 m/s (please contact your manufacturer). Somfy accepts no liability for incorrect setups.

Window opened outwards: With electric drive for opening and closing outwards. When setting the other parameters, please note that 0 % corresponds to the closed position and 100 % to the opened position. In the “Standard position” menu, this default setting can nevertheless be inverted.

End products/motorized products used indoors:

Venetian blind 90°/0°: It moves down with closed slats and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 90°/- 90°: It moves down with closed slats and up with closed slats, too (rotated inwardly). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind DCE 90°/- 90°: The running speed is regulated by the incremental position encoder technology employed in the drive. This produces a very attractive façade and has a positive impact on reducing operating noises.
⚠ Only applies to drives of the type "Somfy Concept 25 DCE".

Interior Roller blind: Made of textile material and behaves like a roller shutter, i.e. just moving up and down.

Interior Plisseé: Made of textile material and behaves like a roller shutter, i.e. just moving up and down.

Interior Venetian blind 90°/- 90°: This is a blind-based system that moves vertically and can be turned.

Interior curtain: With electric drive for opening and closing interior curtains and shades.

Window opened inwards: With electric drive for opening and closing inwards. When setting the other parameters, please note that 0 % corresponds to the closed position and 100 % to the opened position. In the “Standard position” menu (s. chapter 6.5.1.4), this default setting can nevertheless be inverted.

1.13 Set Run Time

The runtime is the time required by an end product/motorized product (roller shutters, Venetian blinds, etc.) to move from its uppermost position (0 %) to its lowermost position (100 %) and vice versa. With windows, the runtime is from fully open (100 %) to fully closed (0 %). The runtime is important to ensure that an end product/motorized product can also be moved to an intermediate position (defined in percent from 0 % to 100 %).

⚠ In the case of large/long motorized products, the runtime during downward travel can deviate from the runtime for upward travel by several seconds (total distance covered by motorized product moving up and down).

When using end products/motorized products with turning (e.g. Venetian blinds): If a position and an angle are to be approached, the runtime must be entered very accurately, as the rotation for the angle only starts once the runtime entered has elapsed.

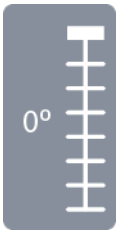
If there are motorized products of varying lengths within a given zone, you must enter the longest time first. You can make precision adjustments for the shorter motorized products in this zone later under "Settings".

When exiting the screen, these settings are automatically sent to the motor controllers of the corresponding zone.

1.14 Set Tilt Time

The angle is the time required by a Venetian blind to turn the slats from fully closed to fully open. This time is typically in the range from 0.8 to 2 seconds.

The right angle needs to be determined. Three test commands are available for this: 90°, 45° and 0°.



Test the commands one after the other. If necessary, alter the angle until optimum results are achieved for the three angles. Recommended: Start at 1.5 seconds and adjust the value in 0.1 second steps. For example, if 45° is more like 30° during testing, reduce it by 0.1 seconds. If 45° is more like 70° during testing, increase it by 0.1 seconds.

When exiting the screen, these parameters are automatically sent to the motor controllers of the corresponding zone.

1.15 Copy Run/Tilt Times

You can copy the running time and angle from one zone to another zone. This can help save you time when setting everything up.

"Source" represents the zone from which you are copying the setting. "Target" represents the zone to which you are copying the setting. Select the source and target zone and then press "Copy" to confirm the copying process. These parameters are sent to the motor controllers of the corresponding zone. The values can also be modified individually here.

"Mech. Tol." designates the mechanical tolerance. This is only relevant for Venetian blinds. Depending on the mechanical design, there may be a slight delay time between power being applied and the mechanical movement actually starting (typically 0.2 to 0.3 seconds) when changing the direction of rotation. In the case of roller shutters, however, this time should be 0 seconds.

The "Start Delay" function is primarily relevant for electronic drives. You should no longer alter this parameter following careful and conscientious commissioning via the wizard. You can find further explanations on this in the wizard under "End Product" in chapter 1.12.

1.16 Password

Assigning a password for the "Settings" menu
Assigning a password prevents third parties from making parameter changes (by mistake) while the system is in operation. "somfy" is set as the default password. However, you can change the password here by clicking on “Use Settings Password”.

1.17 Save Project

"New": You can create a new project file here. However, the number of project files is restricted to just four due to the memory available.

"Delete": Select a file and delete it.

"Overwrite": You can overwrite an existing project file here. Simply highlight the file and select "Overwrite".

"Copy from/to USB": You can copy project files from and to a USB stick here. To avoid mistakes/confusion, we recommend creating just one project file.

"Standard project file": Following a power cut, this file is automatically loaded after approximately 2 minutes.

Info: A system that has not yet been configured would obviously not start up automatically.

2 Home

You are in the main screen. You can use the menu bar on the left of the screen to access further settings and options. You can tell which menu you are currently viewing by the white background, which also has a vertical yellow pattern.

The "HOME" menu shows the current status of the individual zones (zone 1 to zone 4/8): The active function and the position of the end products/motorized products. You can access the "Dashboard" via the arrow at the bottom right. You can gain detailed information on all functions here.

You can adjust the zones individually in the "CONTROL" menu: Up, down, stop, intermediate position (my) and freely definable position. You can also lock/unlock the zones, as well as activating/deactivating the automatic sun-tracking system.

In the "SENSORS" menu, you can see which sensor inputs are connected, as well as the current sensor values.

In the "LOG" menu, current events such as switching commands, sensor values and system faults are recorded over an extended time period (up to a maximum of 3 months).

The "SETTINGS" menu takes you to further configurations. This menu can be protected with a password.

2.1 Dashboard

This menu provides you with up-to-date information on all functions of the selected zone. In the left-hand half, you can see which zone you are currently working on and what type of motorized product you are dealing with. The right half shows all available functions. They are listed in order of priority (top priority first). You can recognize the selected functions by their yellow circle. When a function is active, the circle is filled.

All functions are sorted by priority from top to bottom:

- Alarm (the end products/shades are locked in the safety position)
- Lock (only low-priority functions are locked)
- Error (errors in the sensor technology are displayed)
- Wind (the end products/shades are locked in the safety position)
- Snow/Frost/Ice/Rain (the end products/shades are locked in the safety position)
- Lock Timer (manual Control and low-priority functions are locked for a certain time)
- Manual (local operation via button/TouchBuco is active)
- Timer (scheduled switching commands)
- Block Heat (power save function)
- Solar Heating (power save function)
- Maintain Heat (power save function)
- Cooling (power save function)
- Sun Protection (convenience function)

If multiple functions are active at the same time (for example wind and timer), only the function with the highest priority will be executed.

3 Control

3.1 Control

Standard: You can move the motorized products up and down using the up/down arrows. The stop button allows you to stop the motorized products and the "my" button allows you to move them to the intermediate position set (please refer to "Settings/Options", chapter 6.5).

Advanced: In this section, you can enter the precise position in per cent. In the case of Venetian blinds, you can specify the angle in degrees. With roller shutters and Venetian blinds, 0 % corresponds to the raised position, while with windows it means "closed". The set position is approached using the "Go to Position" function.

Zone unlocked/locked: You can lock the zone entirely, for example to clean the windows, so that neither local operation nor automatic control is possible. The zone can nevertheless be controlled using the TouchBuco by means of safety commands.

Simply press the button again to release the function.

Sun enabled: You can use this button to switch the sun function on and off if the sun function is used for this zone.

You can access the menu in order to control all zones together by using the grey arrows.

3.2 Control all

Standard all: Here, you can move the motorized products in all zones selected up and down using the up/down arrows. The stop button allows you to stop the motorized products and the "my" button allows you to move them to the intermediate position set (please refer to "Settings/Options").

Advanced all: In this section, you can enter the precise position value as a percentage for all zones selected. In the case of Venetian blinds, you can specify the angle in degrees. With roller shutters and Venetian blinds, 0 % corresponds to the raised position, while with windows it means "closed". The set position for all zones is approached using the "Go to Position" function.

Zone unlocked/locked: You can lock the zone entirely, for example to clean the windows, so that neither local operation nor automatic control is possible. The zone can nevertheless be controlled using the TouchBuco by means of safety commands.

Simply press the button again to release the function.

Sun enabled: You can use this button to switch the sun function on and off if the sun function is used for this zone.

3.3 Control all settings

Control zones used: Here you can select the zones to be controlled via "Control All".

4 Sensors

In this section, all sensors which are connected and in use are displayed as icons together with their current measured values. The numbering from 1 to 8 indicates the number of the sensor type used.

Sensor errors are displayed by means of different symbols. This can be caused by various factors:

"-" Unused sensor.
"C" Sensor is selected in sensor menu but sensor is not available/connected.
" * " Sensor is not selected in sensor menu but sensor is available/connected.
" S " Sensor or wiring short-circuited.
" ! " Communication to the sensor station impaired or interrupted (check connecting lines).

Please contact your specialist if you are not sure or require assistance.

4.1 Outside

In this section, all sensors which are connected and in use are displayed as icons together with their current measured values. The numbering from 1 to 8 indicates the quantity and type of sun sensors used.

Sensor errors are displayed by means of different symbols. This can be caused by various factors:

"-" Unused sensor.
"C" Sensor is selected in sensor menu but sensor is not available/connected.
" * " Sensor is not selected in sensor menu but sensor is available/connected.
" S " Sensor or wiring short-circuited.
" ! " Communication to the sensor station impaired or interrupted (check connecting lines).

Please contact your specialist if you are not sure or require assistance.

4.2 Inside

In this section, all sensors which are connected and in use are displayed as icons together with their current measured values. The numbering from 1 to 4 indicates the quantity of inside sensors used.

Sensor errors are displayed by means of different symbols. This can be caused by various factors:

"-" Unused sensor.
„ C “ Temperature sensor is selected in sensor menu but sensor is not available/connected.
" * " Temperature sensor is not selected in sensor menu but sensor is available/connected.
" S " Temperature sensor or wiring short-circuited.
" ! " Communication to the inside sensor box impaired or interrupted (check connecting lines).

Please contact your specialist if you are unsure or require assistance.

5 Log

The log is broken down into three categories: Event, sensors, error. It is stored for a maximum of 3 months.

Navigation:
Tap the desired category. You can use the white forward and backward arrows (located at the bottom in the yellow area) to navigate through the recordings. To return to the main menu, simply tap the arrow at the top left.

5.1 Event

All functional modifications are recorded per zone with their respective status. This display is useful when troubleshooting. For example, if the delay times for the sun protection functions are set too short, too many travel commands may potentially be triggered during changeable weather conditions. System behavior of this kind can be detected by using this display.

5.2 Sensors

All measured values are recorded per sensor. Click on the respective sensor icon to read the accompanying information. In the case of sun and temperature sensors, the mean average is transferred every 10 minutes. In the case of wind, the highest value measured within a 10-minutes window is displayed. In the case of rain, the system indicates whether or not it rained within a 10-minutes time period.

5.3 Error

If an error is displayed, please get in touch with your specialist immediately.

5.4 Export

This function enables you to save the protocol files on a USB stick.

6 Settings

Alarm, Rain/Snow, Frost/Ice, Wind and Lock Timer are safety functions. When enabling individual safety functions, the animeo IB+ or Smoove UNO IB+ Motor Controllers are locked for further operator commands (local operation via buttons, radio functions, etc.) and low-priority automatic commands. The "IB" LED on the motor controller lights up red to indicate that commands have been locked.

6.1 Security

6.1.1 Alarm

An alarm can be triggered via the separate floating input. The alarm function has top priority and, in the event of an alarm signal, further operator commands (local operation via buttons, radio functions, etc.), as well as all automatic commands are locked. The behavior of the end products/motorized products in a zone is defined in the event of an alarm and when the alarm is terminated. The "IB" LED on the motor controller lights up red to indicate that commands have been locked.
You can navigate through the setting using the grey "forward" and "backward" arrows.

To enable the alarm function you need to move the slider to the right.

Settings:

ALARM ON → Position of the end product/motorized product in the event of an alarm signal

Lock Only: The end products/motorized products in a zone stop moving and low-priority manual and automatic commands are locked.

Up Priority: The end products/motorized products in a zone move to the upper end limit and low-priority manual and automatic commands are locked.

Down Priority: The end products/motorized products in a zone move to the lower end limit and low-priority manual and automatic commands are locked.

ALARM OFF → Position of the end product/motorized product once an alarm signal has been terminated

⚠ This function requires the running times and angles to have been programmed for the end products/ motorized products.

No Action: A travel command is not issued until the status of a different function is changed (e.g. sun).

Standard: The end products/motorized products move to the standard position. The standard position only needs to be defined once under "Options/System Settings".

Position: The end products/motorized products are moved to an adjustable position here (%) or, in the case of Venetian blinds, set to an adjustable angle (°).

My Position: The end products/motorized products are moved to the intermediate position programmed in the motor controller.

6.1.2 Rain/Snow

This function is used to protect end products/shades from precipitation for safety reasons. In the event of a rain/snow alarm, further operator commands (local operation via buttons, radio control, etc.) and low-priority automatic commands are locked. The "IB" LED on the Motor Controller lights up red to indicate that commands have been locked.

⚠ Snow can only be detected when an outdoor temperature sensor has been fitted and enabled. Without an outdoor temperature sensor, all precipitation is simply classed as rain.

The rain function is activated if the precipitation lasts longer than the "Delay Time On" specified. If the outside temperature is less than 4° C, the system assumes that it is snowing. The behavior of the motorized product in the event of rain and snow can be adjusted. The rain function is enabled again when no further precipitation is measured following elapse of the "Delay Time Off".

You can navigate through the setting using the grey "forward" and "backward" arrows.

Enabling the function: To enable the Rain/Snow function, you need to move the slider to the right.

Setting the Rain/Snow function:

Delay time: Adjustment range "On" from 0 to 60 seconds. Adjustment range "Off" from 0 to 255 minutes.

Rain/Snow On:

Lock Only → The end products/shades in a zone stop moving and low-priority manual and automatic commands are locked.

Up Priority → The end products/shades in a zone move to the upper end limit and low-priority manual and automatic commands are locked.

Down Priority → The end products/shades in a zone move to the lower end limit and low-priority manual and automatic commands are locked.

6.1.3 Frost/Ice

This function is used to protect end products/shades from frost (cold) or ice (precipitation + cold) for safety reasons. In the event of a frost/ice alarm, further operator commands (local operation via buttons, radio control, etc.) and low-priority automatic commands are locked. The "IB" LED on the Motor Controller lights up red to indicate that commands have been locked.

The frost and ice functions cannot be enabled at the same time (either frost or ice). Both functions are enabled when the temperature exceeds the threshold set by + 2° C.

Frost
This function is activated if the outside temperature remains below the threshold for longer than the "Delay Time On" specified. The behavior of the end products/shades in the event of frost can be adjusted. The function is released as soon as the "Delay Time Off" has elapsed. This starts counting as soon as the temperature exceeds the threshold set.

Ice
This function is activated if the outside temperature remains below the threshold for longer than the "Delay Time On" specified and if precipitation has been registered during the period of the "Rain History" set. The behavior of the end products/shades in the event of ice can be adjusted. The function is released as soon as the "Delay Time Off" has elapsed. This starts counting as soon as the temperature rises 2° C above the threshold set. The "Delay Time Off" can be set to a maximum of 3,000 minutes. This function can be manually reset.

You can navigate through the setting using the grey "forward" and "backward" arrows.

Enabling the function: To enable the Frost or Ice function, you need to move the "Frost/Ice" slider to the right.

Setting the Frost/Ice function:

Threshold "On": Adjustment range from 0 °C to 40 °C.

Delay time: Adjustment range "On" from 0 to 255 seconds. Adjustment range "Off" from 0 to 3000 minutes.

Rain History (only for ice function): Adjustment range from 0 to 255 hours.

Frost/Ice On:

Lock Only → The end products/shades in a zone stop moving and low-priority manual and automatic commands are locked.

Up Priority → The end products/shades in a zone move to the upper end limit and low-priority manual and automatic commands are locked.

Down Priority → The end products/shades in a zone move to the lower end limit and low-priority manual and automatic commands are locked.

6.1.4 Wind

Wind sensors used

This function is used to protect end products/motorized products from high wind speeds for safety reasons. In the event of a wind alarm, further operator commands (local operation via buttons, radio control, etc.) and automatic commands with low priority are locked. The "IB" LED on the motor controller lights up red to indicate that commands have been locked. If the wind direction sensor is also installed, individual zones can be protected from strong wind. In this case, the number of wind speed sensors can be minimized. The wind direction sensor therefore only protects the selected zone, meaning that not all end products/motorized products are moved to the safety position.

Wind function
If the measured wind speed is above the wind threshold for a period at least equal to the "Delay Time On", the wind function is activated. The behavior of the end product/motorized product can be defined. The "delay time off" starts counting as soon as the wind speed drops below the threshold. The function is released as soon as the "delay time off" has elapsed.

Wind function for application ZIP screen
If the measured wind speed exceeds the "low wind" threshold for a period at least equal to the "delay time on", the product can only be raised or stopped using the local control. If the measured wind speed exceeds the "high wind" threshold for a period at least equal to the "delay time on", the product is moved to the selected position. The behavior of the end product/motorized product can be defined. The "delay time off" starts counting as soon as the wind speed drops below the threshold. The function is released as soon as the "delay time off" has elapsed.

Wind Direction
This function is only possible when the wind direction sensor and at least one wind sensor are enabled. If the measured wind speed is above the "Wind Direction" threshold for a period at least equal to the "Delay Time On" and the wind direction is within the monitored range (from 0° to 360°, whereby 0° is due north), the wind direction function is active. The behavior of the end product/motorized product is the same as with the wind alarm. The "Delay Time Off" starts counting as soon as the wind speed drops below the threshold and the wind is outside the monitored range. The function is enabled as soon as the "Delay Time Off" has elapsed and the wind direction is no longer in the range specified.

You can navigate through the setting using the grey "forward" and "backward" arrows.

Enabling the functions: To enable the “Wind”/”Wind Direction” function, you need to slide the "Wind”/”Wind Direction" slider to the right.

Setting the wind and wind direction:

Selecting the wind sensors: When setting up the sensor system, you either selected the Compact Sensor (just one wind sensor) or the Outside Sensor Box (up to two wind sensors). You now need to select which wind sensor is to be used as reference for this zone. If two sensors are selected, the highest value of the two is always used.

Threshold for wind and wind direction: Adjustment range from 2 m/s to 30 m/s.

Delay time wind and wind direction: Adjustment range "On" from 0 to 60 seconds. Adjustment range "Off" from 0 to 255 minutes.

Wind On: Setting the behavior of the motorized product in the event of a wind alarm

Lock Only → The end products/motorized products in a zone stop moving and low-priority manual and automatic commands are locked.

Up Priority → The end products/motorized products in a zone move to the upper end limit and low-priority manual and automatic commands are locked.

Down Priority → The end products/motorized products in a zone move to the lower end limit and low-priority manual and automatic commands are locked.

Wind Direction Area: Specify the start and end of the range. The adjustment range is from 0° to 360°, whereby 0° corresponds to due north.

6.1.5 Lock Timer

The "Lock Timer" function is used to move the end products/motorized products of an area to a position at a certain time (adjustable), where they remain until enabled. By that time, further operator commands (local operation via buttons, radio control, etc.) and low-priority automatic commands are locked. The "IB" LED on the motor controller lights up red to indicate that commands have been locked.

Up to 6 switching commands can be set per week day (Monday to Sunday). Each switching command can be freely defined. "Not Used" is displayed as standard, i.e. not set and not enabled. To save time, settings from one day can be copied to another.

Enabling the function: The function is enabled when you move the slider to the right.

Setting a switching command with disabling function:

First select a day and then one of the six potential switching commands by clicking on the yellow icon. The setting procedure always remains the same. To return to the main menu, simply press the arrow at the bottom right.

Switching command options:

Not Used: The command has not been set or enabled.

On Time: The disabling function is active from this time onwards. The timing can either be a fixed time of the day or be based on the dusk and dawn times (please see “Switching commands at dusk” for an explanation on this). The behavior of the motorized product is defined after setting the timing:

Lock Only: → The end products/motorized products in a zone stop moving and low-priority manual and automatic commands are locked.

Up Priority → The end products/motorized products in a zone move to the upper end limit and low-priority manual and automatic commands are locked.

Down Priority → The end products/motorized products in a zone move to the lower end limit and low-priority manual and automatic commands are locked.

Off Time: The disabling function is terminated from this time onwards. The switching time can either be a fixed time of the day or be calculated automatically based on the dawn and dusk times (please see below for an explanation on this). If desired, you can also specify the position to which the end products/motorized products are to be moved once the lock time used has elapsed.

Switching commands at dusk:

⚠ Longitude and latitude must be set for this function to work. This is performed in the menu “Location” (s. chapter 6.5.1.1. Location)

The switching times are identical to the programmed sunrise and sunset times. You can also select from two versions:

Diff time used: The switching time is offset from the sunset time, either positively or negatively.

Example: The sun rises at 5:39 am in Stuttgart on 18 May. The diff time used is set to -15 minutes, so the switching command is executed at 5:24 am. You can enjoy the sunrise. Conversely, the sun sets at 9:02 pm in Stuttgart on 18 May. The diff time used is set to + 15 minutes, so the switching action is only performed at 9:17 pm and you can enjoy the sunset.

Lock time used: The switching command is executed on the basis of the automatically calculated dawn and dusk times, although not before a certain time in the morning and not after a certain time in the evening.

Example: Let us re-examine the above example. If the lock time used (summer time) is set to dawn at 7:00 am, the switching command will not be executed until 7:00 am rather than at 5:39 am. If the evening lock time used is set to 8:00 pm, the switching command is already executed at 8:00 pm rather than at 9:17 pm. During winter, when the sunrise may not occur until around 7:15 am, the lock time used of 7:00 am is disregarded, as the sunrise occurs after the lock time used.

Copying: Once you have set up a specific day (for example Monday), you can then copy this setting to other days. To do so, simply select the day you wish to copy from the “Lock Timer” main menu (source) and then hit "Copy". Now select the individual timers that you wish to copy to other days (you are still working on Monday). Then highlight the days you wish to apply the settings to (target) and press "Copy" again. You can also copy the setting to a different zone.

Now use the left arrow button to return the starting menu. If you click on the other days, you can now see that the copied setting has been applied.

6.1.6 Error

This sets the end position if an error is triggered.

Settings:

Position of the end product/motorized product in the event of an error signal ("Error On"):

Up Priority: → The end products/motorized products in a zone move to the upper end limit. Manual and automatic commands with low priority are locked.

Down Priority: → The end products/motorized products in a zone move to the lower end limit. Manual and automatic commands with low priority are locked.

6.2 Comfort

The "Timer" and "Sun" convenience functions can be set manually. To set these functions, simply tap the icon or the arrow at the bottom right.

6.2.1 Timer

This function is used to move end products/motorized products at adjustable times to a position where they remain until released. From this time onwards, local operations (via buttons, radio functions, etc.) are not locked. However, low-priority functions, such as sun or energy functions, are locked during the active period of the timer.

You can set up to six switching commands per week day (Monday to Sunday). Each switching command can be freely defined. "Not Used" is displayed as standard, i.e. not set and not enabled.

Enabling the function:
The function is enabled when you move the slider to the right.

Setting a switching command with disabling function:
First select a day and then one of the six potential switching commands. The setting procedure always remains the same. To return to the main menu, simply press the arrow at the bottom right.

Switching command options:

Not Used: The command has not been set or enabled.

On Time: The disabling function is active from this time onwards. The timing can either be a fixed time of the day or be based on the dawn and dusk times (please see below for an explanation on this). The behavior of the motorized product is defined after setting the timing:

Off Time: The Timer function is terminated from this time onwards and low-priority functions, such as the sun protection function, can be reactivated. The switching time can either be a fixed time of the day or be calculated automatically based on the dawn and dusk times (please see below for an explanation on this). You can define and enable a position or, in the case of Venetian blinds, also the angle, so that the motorized products move to the set position at this time.

Single Event: At this time, a command is executed one time and the timer function is then no longer active. This has the effect that the sun protection function for example cannot be executed.

⚠ If you wish to use multiple switching times in the morning or evening, please note that a "On Time" switching command must always be followed by either a "Single Event" or a "Off Time" switching command. For example, if you set a "On Time" command twice in a row, only the first "On Time" switching command will be executed.

Switching commands at dusk:

⚠ Longitude and latitude must be set for this function to work. This is performed in the menu “Location” (s. chapter 6.5.1.1. Location)

The switching times are identical to the programmed sunrise and sunset times. You can also select from two versions:

Diff time used: The switching time is offset from the sunset time, either positively or negatively.

Example: The sun rises at 5:39 am in Stuttgart on 18 May. The diff time used is set to -15 minutes, so the switching command is executed at 5:24 am. You can enjoy the sunrise. Conversely, the sun sets at 9:02 pm in Stuttgart on 18 May. The diff time used is set to + 15 minutes, so the switching action is only performed at 9:17 pm and you can enjoy the sunset.

Lock time used: The switching command is executed on basis of the automatically calculated dusk and dawn times, although not before a certain time in the morning and not after a certain time in the evening.

Example: Let us re-examine the above example. If the lock time used (summer time) is set to dawn at 7:00 am, the switching command will not be executed until 7:00 am rather than at 5:39 am. If the evening lock time used is set to 8:00 pm, the switching command is already executed at 8:00 pm rather than at 9:17 pm. During winter, when the sunrise may not occur until around 7:15 am, the lock time used of 7:00 am is disregarded, as the sunrise occurs after the lock time used.

Copying: Once you have set up a specific day (for example Monday), you can then copy this setting to other days. To do so, simply select the day you wish to copy from the main menu (source) and then hit "Copy". Now select the individual timers that you wish to copy to other days (you are still working on Monday). Then highlight the days you wish to apply the settings to (target) and press "Copy" again. You can also copy the setting to a different zone.

Now use the left arrow button to return the starting menu. If you click on the other days, you can now see that the copied setting has been applied.

6.2.2 Sun

Glare and overheating in rooms can be prevented by having the end products/motorized products, such as roller shutters or Venetian blinds, being moved to certain positions based on the position of the sun. There are two ways to execute the function: One defined position or multiple positions that are calculated on basis of the current position of the sun. Sun-tracking provides optimum sun protection in natural light conditions.

Sun protection with a defined position is activated when the outside brightness remains above the "Threshold On" for longer than the "Delay Time On" value.

The end products/motorized products are moved to an adjustable position here (%), while Venetian blinds are set to an adjustable angle (°). The function is enabled as soon as the outside brightness remains below the "Threshold On" for longer than the value of the "Delay Time Off". You can also specify which action is to be performed when the sun protection function is at an end.

The "Sun Active Season" defines the seasons during which the sun protection function is active.

Sun protection by tracking the sun

This function automatically bases the position of the carrier products on the angle of the sun. It is only executed when no other function with higher priority has been activated.

The function is not available for windows, folding arm awnings or markisolette.

You can navigate through the setting using the grey "forward" and "backward" arrows.

Enabling the function:
To enable the function, you need to move the slider to the right.

Setting:

Selecting the sun sensors: When setting up the sensor technology, you selected between the Compact Sensor (up to three sun sensors) and Outside Sensor Box (up to eight sun sensors). Now please select which sun sensors are to be used as reference for this zone. If multiple sensors are selected, the highest value is always used.

Threshold On/Off: Adjustment range from 0 Lux to 65 kLux

Delay time On/Off: Adjustment range from 0 to 255 minutes

The delay times "On" and "Off" are typically different. The delay time "On" is generally relatively short (e.g. 3 minutes), while the delay time "Off" typically lasts a bit longer (e.g. 15 to 30 minutes). This prevents too many travel commands from being executed in changeable weather conditions.

"Sun On":

Position: → Setting the position of the motorized product with sun as % (100% = closed, with end products/motorized products) and the angle of the blinds in ° (adjustment range up to 90°).

"My" position (intermediate position): → can also be selected

Suntracking: → Multiple positions are calculated dynamically on the basis of the position of the sun. Press "Configure" to set the calculation values for the following four parameters:

Update Time: How often is the position of the motorized product calculated? Adjustment range between 1 and 240 minutes. We recommend a value of 5 minutes.

Orientation: Enter the alignment of the current zone here. 0° = North, 90° = East, 180° = South, 270° = West.

Minimum Step: When using Venetian blinds, the steps for turning the slats are specified in angular degrees. When using vertical awnings, this step is specified in %.

Slat Ratio: Designates the ratio of slat spacing to slat width. The spacing is generally slightly lower than the actual width (overlap). The slats should ideally be aligned horizontally for measuring. A typical value is 0.9.

Screen Length: Only used for sun position tracking with textile sun protection or with roller shutters (not for Venetian blinds). The height corresponds to the window height.

Sun Depth: Only used for sun position tracking with textile sun protection or with roller shutters (not for Venetian blinds). How low may the sun shine into the room without generating glare?

"**Sun off:**
Setting the behavior of the motorized product after enabling the sun protection function, i.e. when the sun function is no longer active:

No Action: The end products/motorized products remain stationary in position.

Standard: The end products/motorized products move to the standard position. The standard position needs to be defined just one time in the menu "System Settings" (s. chapter 6.5.1.System Settings)

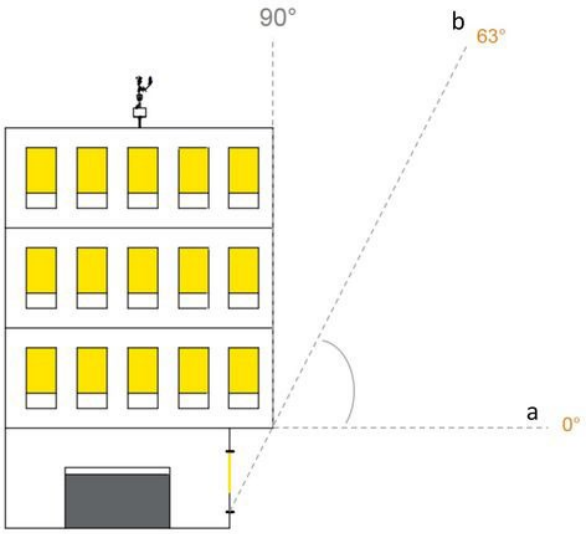
Position: The end products/motorized products move to a set position or, in the case of Venetian blinds, to the set angle.

My Position: The motorized products move to the intermediate position programmed in the motor controller.

Pre-open slats:
After 10 % of the sun "off" delay time, the slats of Venetian blinds are opened early. The position is maintained.

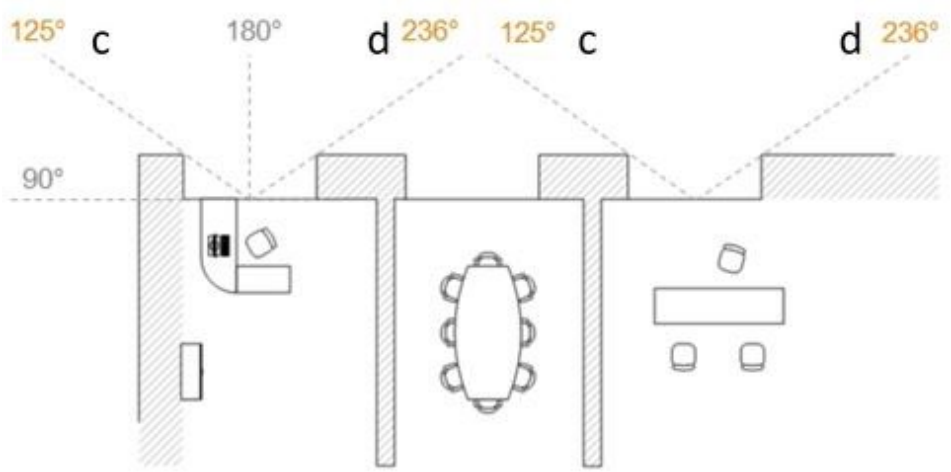
Azimuth Range and Elevation Angle: If the solar radiation is outside the set angle, the end products/ motorized products are moved to the parametrised "Off" position. The horizontal angle and elevation angle are defined in the "Azimuth Range" and "Elevation Angle" menus.

1. "Elevation" = elevation angle:



At the set angle from (a) to (b), the sun function is active.
a. From: → The sun function is not active below this value.
b. To: → The sun function is not active above this value.

2. "Azimuth" = horizontal angle:



At the set angle from (a) to (b), the sun function is active.
a. From: → The sun function is not active below this value.
b. To: → The sun function is not active above this value.

This function is only executed when no other function with higher priority has been activated.

6.3 Energy

Alongside the comprehensive standard functions, there are further things that can be done to set up the system for energy saving:

- Mode
- Block Heat
- Solar Heating
- Maintain Heat
- Cooling
- Reset to Auto

To execute these functions, you require the Inside Sensor Box, to which the inside temperature sensors are connected.

6.3.1 Mode

These adjustment options allow the system behavior to be optimized: How do the system's automatic functions behave after a motor controller has been operated manually?

In the **"Standard"** mode, all automatic commands are executed based on priority. Local operation on the motor controller is possible at any time, except when a safety function is active.

In the **"Automatic"** mode, local operation is not possible. The system works exclusively automatically.

When using the **"Manual Priority"** mode, all automatic commands are executed and local operation on the motor controller (e.g. Smoove UNO IB+) is possible at any time, except when a safety function is active. Local operation also means that automatic commands (except for "Security") are no longer executed until the next Reset command (setting via "Reset to Auto"). Only motor outputs that have been operated are affected by this. The others continue to run in automatic mode. This setting offers the advantage that a person using the room for a certain time retains control over the automatic commands.

In **"Comfort"** mode, all energy functions are deactivated; otherwise the function is identical to the "Manual Priority" operating mode

The ENERGY TIMER can be used to enable the various modes via timer

The function is enabled when you move the slider to the right. You can set up to six switching commands per week day (Monday to Sunday). Each switching command can be freely defined. "Not Used" is displayed as standard, i.e. not set and not enabled.

Setting switching commands:
First select a day and then one of the six potential timers. The setting procedure always remains the same. To return to the main menu, simply press the arrow at the bottom right.

Switching command options:

Not Used: The command has not been set or activated.

Standard: All automatic commands are executed based on priority. Local operation on the motor controller is possible at any time, except when a safety function is active.

Automatic: In the "Automatic" mode, local operation is not possible. The system works exclusively automatically.

Manual Priority: All automatic commands are executed and local operation on the motor controller (e.g. Smoove UNO IB+) is possible at any time, except when a safety function is active. Local operation also means that automatic commands (except for "Security") are no longer executed until the next Reset command (setting via "Reset to Auto"). Only motor outputs that have been operated are affected by this. The others continue to run in automatic mode. This setting offers the advantage that a person using the room for a certain time retains control over the automatic commands.

Comfort: All energy functions are deactivated; otherwise the function is identical to the "Manual Priority" mode.

Once you have selected a switching command option, you can either set a fixed time of the day or a switching time for the morning (“Dawn”) and the evening (“Dusk”) that is based on the time of the year.

Use the **"Diff time used"** to specify how many minutes (positive or negative) the switching time should be enabled, offset from dusk.

Example: The sun rises at 5:39 am in Stuttgart on 18 May. The diff time used is set to -15 minutes, so the switching command is executed at 5:24 am. You can enjoy the sunrise. Conversely, the sun sets at 9:02 pm in Stuttgart on 18 May. The diff time used is set to + 15 minutes, so the switching action is only performed at 9:17 pm and you can enjoy the sunset.

By specifying a **"Lock time used"**, the switching command is executed on the basis of the automatically calculated dawn and dusk times, although not before a certain time in the morning and not after a certain time in the evening.

Example: Let us re-examine the above example. If the lock time used (summer time) is set to dawn at 7:00 am, the switching command will not be executed until 7:00 am rather than at 5:39 am. If the evening lock time used is set to 8:00 pm, the switching command is already executed at 8:00 pm rather than at 9:17 pm.

During winter, when the sunrise may not occur until around 7:15 am, the lock time used of 7:00 am is disregarded, as the sunrise occurs after the lock time used.

COPY

Once you have set up a specific day (for example Monday), you can then apply this setting to other days of the week. To do so, simply select the day you wish to copy from the “Mode” main menu (source) and then hit "Copy". Now select the individual timers that you wish to copy to other days (you are still working on Monday). Then highlight the days you wish to apply the settings to (target) and press "Copy" again. You can also copy the setting to a different zone.

Now use the Back arrow button to return the starting menu. If you click on the other days, you can now see that the copied setting has been applied.

6.3.2 Block Heat

The heat protection function prevents the building from overheating. The motorized products are moved to a suitable position, e.g. completely closed. The function is enabled based on the intensity of the sun and the outside/inside temperature.

To enable the function, move the "Block Heat" slider to the right.

You can navigate through the setting using the grey "forward" and "backward" arrows.

Sun sensors used
Selecting the sun sensors: When setting the sensors, you selected between Compact Sensor (only three sun sensors) and Outside Sensor Box (up to eight sensors). You now need to specify which sun sensors are to be used as reference for this zone. When using multiple sensors, the highest value always applies.

Temperature sensor used
In this zone, you specify which temperature sensors are to apply as reference for this zone.

Selecting the temperature sensors used:
1. Outside temperature (Out. Temp.)
2. Inside temperature: Two Inside Sensor Boxes, each with two sensor connections, can be connected. As such, you can select a maximum of four sensors.

Threshold Sun

If the solar intensity is above the "Threshold Sun On", the selected position is approached. If the solar intensity is below the "Threshold Sun Off", the function is deactivated.
Adjustment range from 0 kLux to 65 kLux.

Threshold Temperature
If the temperature is above the "Threshold Temperature On", the selected position is approached. If the temperature is below the "Threshold Temperature Off", the function is deactivated.
Adjustment range from -40 °C to +40 °C.

Delay time On/Off
Delay time adjustment range from 0 to 255 minutes.

Block Heat On
Setting the position of the motorized product with heat in % (100 % = closed) and the angle in ° (for Venetian blinds), adjustment range up to 90° = closed.

Block Heat Off

Setting the position of the motorized product after enabling the function:

- **No Action:** The motorized products remain stationary in position.
- **Standard:** The motorized products move to the standard position. The standard position needs to be defined once (s. chapter 6.5.1 System Settings).
- **Position:** The motorized products moved to the set position. In the case of Venetian blinds, the defined angle is set.
- **My Position:** The motorized products move to the intermediate position programmed in the motor controller.

6.3.3 Solar Heating

When the inside temperature is too low, solar radiation can be used to warm up the building. The motorized products are then moved to a suitable position, e.g. completely open. The function is enabled based on brightness and the inside temperature. To enable the function, you need to move the "Solar Heating" slider to the right.

You can navigate through the setting using the grey "forward" and "backward" arrows.

Sun Sensors Used
Selecting the sun sensors: When setting the sensors, you selected between Compact Sensor (only three sun sensors) and Outside Sensor Box (up to eight sensors). You now need to specify which sun sensors are to be used as reference for this zone. When using multiple sensors, the highest value always applies.

Temperature sensor used
In this zone, you specify which temperature sensors are to apply as reference for this zone.

Selecting the temperature sensors used for the inside temperature: Two Inside Sensor Boxes, each with two sensor connections, can be connected. As such, you can select a maximum of four sensors.

Threshold Sun
If the solar intensity is above the "Threshold Sun On", the selected position is approached.

If the solar intensity is below the "Threshold Sun Off", the function is deactivated. Adjustment range from 0 kLux to 65 kLux.

Threshold Temperature
If the inside temperature is below the "Threshold Sun On", the selected position is approached (typically: 0 % = open).

If the inside temperature is above the "Threshold Off", the function is deactivated. Adjustment range from 0 °C to 40 °C.

Delay time
Adjustment range for Delay Time On and Off: 0 to 255 minutes.

Solar Heating On
Setting the position of the motorized product in % (100 % = closed) and the angle in ° (for Venetian blinds), adjustment range up to 90° = closed.

Solar Heating Off

Setting the position of the motorized product after enabling the function:

- **No Action:** The motorized products remain stationary in position.
- **Standard:** The motorized products move to the standard position. The standard position needs to be defined once (s. chapter 6.5.1 System Settings).
- **Position:** The motorized products move to a set position. In the case of Venetian blinds, the defined angle is set.
- **My Position:** The motorized products move to the intermediate position programmed in the motor controller.

6.3.4 Maintain Heat

This function allows heat to be kept in the building by using sun protection. It is typically used outside working hours.

To enable the function, you need to move the "Maintain Heat" slider to the right.
You can navigate through the setting using the grey "forward" and "backward" arrows.

Sun sensors used
When setting the sensors, you selected between Compact Sensor (only three sun sensors) and Outside Sensor Box (up to eight sensors). You now need to specify which sun sensors are to be used as reference for this zone. When using multiple sensors, the lowest value always applies.

Temperature sensor used
In this section, you specify which temperature sensors used are to apply as reference for this zone.

Selecting the sun sensors:
Two Inside Sensor Boxes, each with two sensor connections, can be connected. As such, you can select a maximum of four sensors

Threshold Sun
If the solar intensity is below the "Threshold Sun On", the selected position is approached (100 % = closed).

If the solar intensity is above the "Threshold Sun Off", the function is deactivated. Adjustment range from 0 kLux to 65 kLux.

Threshold Temperature
If the inside temperature is below the "Threshold Temperature On/Off", the selected position is approached.

Note: The outside temperature should be at least 5 °C lower than the inside temperature. Otherwise, the function is not enabled. Adjustment range from 0 °C to 40 °C.

Delta Temperature
The "Maintain Heat" function is enabled when the difference in temperature (outside < inside) exceeds the value set under "Inside/Outside".

The "Maintain Heat" function is deactivated when the difference in temperature (outside < inside) falls below the value set under "Inside/Outside".

Delay time On/Off
Adjustment range from 0 to 255 minutes.

Maintain Heat On
Setting the position of the motorized product in % (100 % = closed) and the angle in ° (for Venetian blinds), adjustment range up to 90° (= closed).

Maintain Heat Off

Setting the position of the motorized product after enabling the function:

- **No Action:** The end products/motorized products remain stationary in position.
- **Standard:** The end products/motorized products move to the standard position. The standard position needs to be defined once (s. chapter 6.5.1 System Settings).
- **Position:** The end products/motorized products move to a set position. In the case of Venetian blinds, the defined angle is set.
- **My Position:** The motorized products move to the intermediate position programmed in the motor controller.

6.3.5 Cooling

This function allows you to open and close windows based on the inside and outside temperature. The function should ideally be used outside the room usage times (e.g. during the night).
The function is only active when the outside temperature is within the setpoints specified (On/Off).

To enable the function, you need to move the "Cooling" slider to the right.
You can navigate through the setting using the grey "forward" and "backward" arrows.

Temperature sensor used
In this section, you specify which temperature sensors are to apply as reference for this zone.
Selecting the temperature sensors used: Two Inside Sensor Boxes, each with two sensor connections, can be connected. As such, you can select a maximum of four sensors.

Outside temperature On/Off
The "Cooling" function is enabled when the outside temperature has reached the defined "On" value and deactivated when the outside temperature has reached the defined "Off" value.

Adjustment range from -40 °C to +40 °C.

Inside Temperature
If the inside temperature is above the "Inside Temperature On" threshold, the selected position is approached (typically: 100 % = open).

If the inside temperature is below the "Inside Temperature Off" threshold, the function is deactivated. Adjustment range from 0 °C to 40 °C.

Delta Temperature
The "Cooling" function is enabled when the difference in temperature (outside < inside) exceeds the value set under "Delta Temperature On".

The "Cooling" function is deactivated when the difference in temperature (outside < inside) falls below the value set under "Delta Temperature Off".

Note: The "Delta Temperature On" value must be greater than the "Delta Temperature Off" value.

Adjustment range from 1 °C to 40 °C.

Delay time
Adjustment range from 0 to 255 minutes.

Cooling On
Setting the position in % (100 % = open).

Cooling Off

Setting the position of the motorized product after enabling the function:

- **No Action**: The end products/motorized products remain stationary in position.
- **Standard**: The end products/motorized products move to the standard position. The standard position needs to be defined once (s. chapter 6.5.1 System Settings).
- **Position**: The end products/motorized products move to a set position. In the case of Venetian blinds, the defined angle is set.
- **My Position**: The motorized products move to the intermediate position programmed in the motor controller.

6.3.6 Reset to Auto

If the motorized product is operated locally when working in "Manual" or "Comfort" mode, the automatic function is deactivated for the corresponding motorized product. This function allows you to re-enable automatic mode via "Reset" either manually or via three timers.

If you enable the "Update Position/Angle" function, the current position of the end product/motorized product is also transmitted and approached in addition to the reset.

Use the "Right arrow" button to access the individual timers, via which you can also perform a reset.

⚠ Smoove Uno IB+ control units are not reset when the automatic system is switched off manually. Only when an energy mode is received.

Activate timer 1...6

If you enable the "Update Position/Angle" function, the current position of the end product/motorized product is also transmitted and approached for timer 1...6 in addition to the reset.

In the "Reset Time" section, you can set the time of the day at which the system is to be returned to automatic mode. The reset is enabled when entering the time.

6.4 Sensors

You can define the sensor technology for the outdoor and indoor areas here (sun, wind, wind direction, outside temperature, rain, inside temperature), as well as alter the designations of the individual sensors.

⚠ Only set up those things that have been connected.

Tap on the icons to make the settings.

6.4.1 Outside Sensors

You have five options:

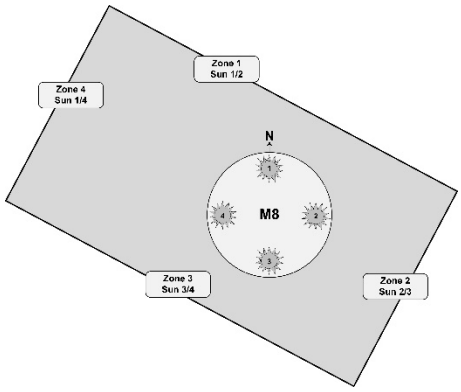
No Sensor used: You have not connected a sensor box (Compact Sensor or Outside Sensor Box).

Compact Sensor: A compact weather station with integrated sensors, e.g. for wind, 3 x sun, outside temperature and rain.

Outside Sensor Box: A weather station to which multiple individual sensors can be connected.

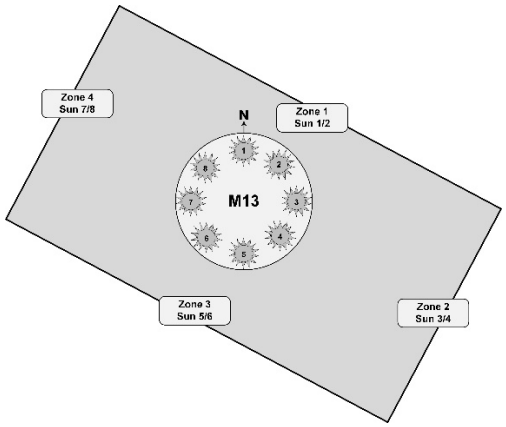
M8: A weather station with integrated sensors (wind, 4 x sun, outside temperature, rain).

Example for sensor orientation:



M13: A weather station with integrated sensors (wind, wind direction, 8 x sun, outside temperature, rain).

Example for sensor orientation:



You can navigate back using the grey arrows at the top left.

Setting:

Selecting the Outside Sensors:
Compact Sensor, Outside Sensor Box, Weather Station M8 or Weather Station M13.

Master:
When operating multiple TouchBuco units with a single weather station, only one TouchBuco unit may be selected as "Master". None of the other TouchBuco units may have the "Master" checkbox activated.

Selecting the individual sensors when connecting the Outside Sensor Box:
Select the sensors that are connected. The systems will report an error in the case of incorrect selections, as it does not receive complete data from the weather station. The sensor options are as follows:

- 1 to 8 sun sensors
- 1 or 2 wind sensors. You can choose between "Heated" and "Standard" (= non-heated). An incorrect selection will lead to incorrect measured values.
- 1 wind direction sensor
- Other sensors: Outside Temperature (Out Temp.) and Rain

6.4.2 Inside Sensors

You can connect one or two Inside Sensor Boxes. Up to two inside temperature sensors can be fitted to each Inside Sensor Box.

Sensor inputs 1 - 4 on the device can be used for key switches. When activated, the top priority is active (alarm).
Sensor inputs 5-8 on the device can be used as area sensors.

Setting:
1. Select the Inside Sensor Box
2. Select the individual Inside Temperature Sensors:

Select the sensors that are connected. The systems will report an error in the case of incorrect selections, as it does not receive complete data from the Inside Sensor Box.

6.4.3 Sensor Alias

In this menu, you can assign dedicated names to each of the sensors. Simply click on the pencil icon. You can then use the grey arrows to navigate through the individual sensor options.

Sun alias: You can assign dedicated designations for the 8 potential sun sensors here. Simply click on the pencil icon to get started.

Wind alias: You can assign dedicated designations for the 2 potential wind sensors and the wind direction here. Simply click on the pencil icon to get started.

Other sensor alias: You can assign dedicated designations for "Rain" and "Outside Temperature" here. Simply click on the pencil icon to get started.

Inside temperature alias: You can assign dedicated designations for the 4 potential inside temperature sensors here. Simply click on the pencil icon to get started.

6.5 Options

This menu allows you to adjust further settings and data for the TouchBuco:

- System settings: Location, Number of Zones, End Products etc.
- MoCo Settings: Test Zones, Learn Zones etc.
- Basic Settings: Date/Time, Locals, Password etc.
- Load/Save: New project, Delete project, Save project, Copy project, etc.
- Update Motor Controllers: Zone-based update
- Wizard: Go to Wizard

⚠ Settings are saved and overwritten in the motor controllers.

Navigation:

Tap the icon or the white arrow below it to access the parameter settings. You can return the previous level using the Back arrow at the top left.

6.5.1 System Settings

Click on the icon or the arrow below it to make settings for the individual system parameters.

6.5.1.1 Location

Enter your geographical location.

⚠ This entry is necessary if you wish to use the defined dusk time for switching times with timer functions (with or without disabling function). When using a fixed switching time, this is not necessary.

This entry is also required if you use sun tracking for the sun protection function. When using a fixed position and/or an angle, this is not necessary.

You can find the longitude and latitude for your location via the Internet, for example via "Google Maps":

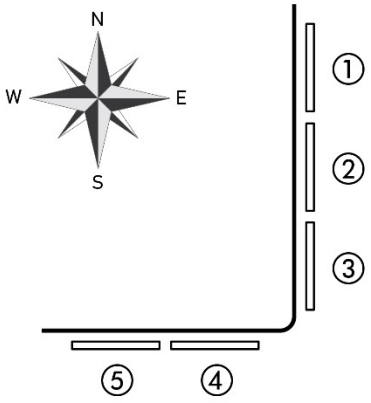
Step 1: Navigate to http://maps.google.com via your web browser
Step 2: Enter your location
Step 3: Right-click on the icon and select "What is here?"
Step 4: Read off the longitude and latitude (up to 2 places after the decimal point) and enter it in the TouchBuco: Latitude: 48.48° longitude: 8,95°

6.5.1.2 Number of Zones

Specify how many zones the project is divided into (1 - 4/8). You can also designate individual zones.

Examples of how to define a zone:

You have a project with the following layout and 5 motorized products (roller shutters, Venetian blinds, etc.):



Example 1: **1 to 5 are exterior Venetian blinds**
Since there are 2 façade fronts facing different directions, we choose 2 zones in this case. For anyone wishing to set up completely independent automatic functions on a single façade front (for example different switching times for bedrooms, office, conference room, etc.), this façade front can be split into multiple zones.

Example 2: **1 and 2 are roller shutters, 3 to 5 are exterior Venetian blinds**
Since you have roller shutters and one exterior Venetian blind on the east-facing façade front, you should divide this façade into two zones. In this example, you therefore have three zones. But why split up the east-facing façade? As you typically enable a wind alarm for the Venetian blind and not for the roller shutters. Aside from this, you wish to move the Venetian blind to a position with subsequent slat turning in the event of direct sun. In the case of a roller shutter, there is no slat turning, only an up/down command.

6.5.1.3 End Products

Once you have specified how many zones are required, you now need to determine which end product is installed on a zone by zone basis.
This selection must be made very accurately, as it is critical for smooth functioning of the system. For example, if you define a Venetian blind as a roller shutter, you cannot later set up any slat turning options for this motorized product.

The setting refers only to the zone that is shown in black on the screen. You can navigate from zone to zone using the white forward and back arrows. Do not exit the menu until all zones have been set up.

Selecting the end product: You can use the black forward and back arrows to navigate through the selection list.

Selecting "Outside/Inside": You can narrow down the product selection by first defining whether the motorized product is installed outdoors or indoors.

Selecting "Standard Motor/Electronic Motor": An electronic drive has different start-up behavior from a standard drive. Taking this parameter into account improves operator ergonomics and the positioning accuracy of the end product/motorized product.

The following Somfy drives can be used in combination with TouchBuco and animeo IB+ motor controllers:

- Standard Motor: LT, SLT, LS and J4 ranges (without WT designation).
- Electronic Motor: WT range (Oximo, Ilmo, Orea) and J4 WT

If you are uncertain regarding units from certain manufacturers, please get in touch with your specialist dealer or the actual manufacturer in question.

End products/motorized products outside:

Venetian blind 90°/0°: It moves down with closed slats and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 90°/-90° : It moves down with closed slats and also up with closed slats (rotated inwardly). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 3 EL 90°/0° : It moves down with slats at an angle of 45° and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Louver (tilt only): The slats can only be turned here (no pull cord). The blind moves neither upward nor downward.

Screen: This type of awning behaves like a roller shutter, moving just up and down. However, it is made of textile material and must therefore be protected from outdoor weather influences. It may, for example, require a wind brace at wind speeds above 6 m/s. The wind values should be obtained from the respective awning manufacturer. Somfy accepts no liability for incorrect setups.

Drop arm awning: This is also made of textile material and only moves up and down, although not parallel to the façade. A boom is used to extend the cloth into a 45° position relative to the façade.

Roller Shutter: Only moves up (0 % position) and down (100 % position).

Markisolette: A textile motorized product that first moves downwards parallel to the façade until it reaches around half way, when it is then moved into a 45° angle relative to the façade by extending a boom. Only moves up and down.

Folding arm awning: With folding arm awnings, the awning cloth of two or more arms is moved and tensioned. The awning cloth can therefore fail in the horizontal direction, although a slight inclination is generally set to prevent this. With the jointed-arm approach, the awning arms are angled when retracted and outstretched when extended.

Vertical fixed Louvers (tilt only): This is a blind-based system that can only be turned vertically.

ZIP Screen: Behaves like a screen, but is significantly more wind-resistant due to the zipper principle on the left-hand and right-hand side of the motorized product. A wind brace is used for speeds above approximately 30 m/s (please contact your manufacturer). Somfy accepts no liability for incorrect setups.

Window opened outwards: With electric drive for opening and closing outwards. When setting the other parameters, please note that 0 % corresponds to the closed position and 100 % to the opened position. In the “Standard position” menu, this default setting can nevertheless be inverted.

End products/motorized products inside:

Venetian blind 90°/0°: It moves down with closed slats and up with horizontal slats (0° position). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind 90°/-90°: It moves down with closed slats and also up with closed slats (rotated inwardly). It is also possible just to turn the slats (e.g. to prevent glare).

Venetian blind DCE 90°/-90°: The running speed is regulated by the incremental position encoder technology employed in the drive. This produces a very attractive façade and has a positive impact on reducing operating noises.
⚠ Only applies to drives of the type "Somfy Concept 25 DCE".

Interior Roller blind: Made of textile material and behaves like a roller shutter, i.e. just moving up and down.

Interior Plisseé: Made of textile material and behaves like a roller shutter, i.e. just moving up and down.

Interior Vertical Venetian blind 90°/-90°: This is a blind-based system that moves vertically and can be turned.

Interior Curtain: With electric drive for opening and closing interior curtains and shades.

Window opened inwards: With electric drive for opening and closing inwards. When setting the other parameters, please note that 0 % corresponds to the closed position and 100 % to the opened position. In the “Standard position” menu, this default setting can nevertheless be inverted.

6.5.1.4 Standard Position

It’s the position to which the end products/motorized products move once certain functions have been enabled, for example sun protection functions or the energy function.

The default setting for the standard position is 0 %. This means that the roller shutter or the Venetian blind is in its upper end limit or that the window is closed. You can adjust the standard position here.

> You can access the angle end limit settings menu using the grey arrows.

Angle end limits: Angle end limit default setting on Venetian blinds is 0° or -90° for slats that are fully open or 90° for slats that are fully closed. For other motorized products, the angle end limits must be adjusted accordingly.

> You can access the motor output inversion menu using the grey arrows.

Motor output inverted: In this menu, all output commands for a zone can be inverted. Up button = position 100 % for lower end limit or window open.

⚠ This function is not settable for end products/motorized products with turning (e.g. Venetian blinds).

6.5.1.5 Reset

When performing a reset, the existing settings are replaced by the default settings specified by Somfy. Saved project files or recordings remain intact.

Hit "Reset" to reset the settings.

6.5.1.6 Email Notification

Here you can enter the email address for error notifications and decide whether to enable this function.

If an error arises in TouchBuco or with the sensors, one of the following two error messages will be sent to the specified e-mail address.

"Major Error"
Safety-related error. The complete system is locked in the safety position.

"Minor Error"
TouchBuco displays errors in the sensor menu. The sun-protection system nevertheless continues to work.

If you want to be notified by email click on “Enable notification”

With “Send test email” you can try out the email notification function.

6.5.2 Moco Settings

This menu allows you to adjust the Motor Controllers, assign them to the corresponding zones and to test them.

You can also

- enter the runtimes and angles
- assign the sensor inputs from a 2-unit or 4-unit animeo IB+ Motor Controller to one or more drive outputs ("software-based jumper")
- determine "my Position" (individual intermediate position)
- lock Motor Controllers

6.5.2.1 Test Zones

Here you can check whether all motor controllers (potentially motor controllers with integrated operator button, such as Smoove UNO IB+) are correctly connected. Please work your way through the commands from "Step 1" to "Step 3" one after the other. A visual inspection of the entire sun protection system is required after each step. If the end products/motorized products are not moved to the position where they should be according to the functional description in the display, have your system re-checked by a specialist.

It is important to always complete the procedure with step 3, as the local controls (buttons in the room) will otherwise be locked. You may need to execute this command several times to ensure that all end products/motorized products have ultimately moved to the limit switch position of their drive.

Note:
1. "Down Command" means that the end products/motorized products (roller shutters, Venetian blinds, etc.) are being lowered or that a window is being opened.
2. "Up Command" means that the end products/motorized products (roller shutters, Venetian blinds, etc.) are being raised or that a window is being closed.
3. „Up Command“ means that the end products/motorized products(roller shutters, Venetian blinds etc.) are being raised and manual control is unlocked.

The following errors should be eliminated by a specialist:

1. Several or all drives move in the wrong direction.

   Cause:
   The up and down connections on the drive of the motor controller have been swapped.

2. The motor controller (for 1, 2, 4 or 6 drives) does not execute any command.

   Potential faults:
   - The motor control unit has no mains voltage.
   - The bus is not correctly connected (pay special attention to "com" and "IB+" wires).
     If your system is connected correctly, the red LED on the motor controller will light up as soon as a command is received here. If this is not the case, please have your system checked again by a specialist.

3. Several drives are not being activated (i.e. they do not move to the intended position).

   Potential faults:
   - Check the fuses on the motor controller (only for 4-unit device).
   - The thermal protection may have been activated on one drive (e.g. after many long movements). Wait 15 minutes and then repeat the test.

6.5.2.2 Learn Zones

After you have checked the wiring of the motor controllers and set up the zones correctly, you can now assign the motor controllers/drives to the zones. You can choose between standard assignment and advanced assignment here.

PROCEDURE 1:

Set the order manually

Enable programming mode by pressing "START". All LEDs on the motor controller now flash in circulation to indicate that the unit is ready for programming mode. With the Smoove UNO IB+, the LED flashes in various colors. To assign the corresponding motorized product to the selected zone, press the connected button or the programmed remote control on the motor controller. Local operator functionality is integrated with the Smoove UNO IB+. On the animeo IB+ motor controller, however, it needs to be connected. With the 4-unit animeo IB+ Motor Controller with pluggable radio receiver, you can even use the remote control. All drives that move as a result of local operator actions are now automatically assigned to the corresponding zone. As soon as all motor controllers have been programmed, you need to complete the procedure by clicking on OK in the "End of programming finished" field.

⚠ The programming mode is enabled for a maximum of 10 minutes. Once this time has elapsed, the motor controllers automatically exit this mode. If the time was not enough to make all necessary settings, you can re-enable programming mode. If a motor controller was already assigned to a zone, the previous value will be overwritten with the new programming process.

The "**Learn not assigned Motor Controllers**" option: Motor controllers that have already been programmed are excluded from assignment here. This prevents existing assignments from being overwritten by mistake. You can tell when a motor controller is in programming mode, as the unit's LEDs run a circulating pattern. With the Smoove UNO IB+, the LED flashes in various colors. Tap the box to activate this option.

The right arrow button grants you access to the next "PROCEDURE 2:" settings level.

PROCEDURE 2:

Individual motor controllers are assigned via device number (ID). As such, you require the ID address of the motor controllers. These can be found on barcode stickers on the devices themselves (example "ID:8390363"). With the Smoove UNO IB+, the address is printed on the rear of the front panel.

Set a check mark for the outputs of the motor controller which are to be assigned to the zone (1 – 4 or 1 - 8).

Enter the ID address of the motor controller in the field and then hit "Learn". Conversely, you can also delete individual motor controller assignments by clicking on "Unlearn" instead of "Learn".

The right arrow button grants you access to the next settings level.

Learn error zone:

Here, an output converter can be assigned to the error zone for the purposes of error output to external controls. The function is identical to procedure 1: Set the order manually.

The up contact is closed when the system is locked by a safety-related error.

The down contact is closed when a sensor error occurs, but the system still works.

Learn error zone ID:

Enter the ID address of the output converter in the field and then hit "Learn". Conversely, you can also delete individual output converter assignments by clicking on "Unlearn" instead of "Learn".

Learn all to selected zone:

By pressing the "START" button, all motor controllers connected to TouchBuco at that time will be assigned to the selected zone. Only the corresponding motor controllers assigned to a zone should therefore be connected to the TouchBuco via the IB+ cable.

6.5.2.3 Run/Tilt Times

You can navigate through the setting process using the grey arrows.

Runtime

The runtime is the time required by an end product/motorized product (roller shutters, Venetian blinds, etc.) to move from its uppermost position (0 %) to its lowermost position (100 %) and vice versa. With windows, the runtime is from fully open (100 %) to fully closed (0 %). The runtime is important to ensure that an end product/motorized product can also be moved into an intermediate position (defined in percent from 0 % to 100 %).

⚠ In the case of large/long motorized products/end products, the runtime during downward travel can deviate from the runtime for upward travel by several seconds (total distance covered by end product/motorized product moving up and down).

When using end products/motorized products with turning (e.g. Venetian blinds): If a position and an angle are to be approached, the runtime must be entered very accurately, as the rotation for the angle only starts once the runtime entered has elapsed.

If there are motorized products of varying lengths within a given zone, you must enter the longest time first. You can make precision adjustments for the shorter motorized products in this zone later under "Settings".

Angle
The angle is the time required by a Venetian blind to turn the slats from fully closed to fully open. This time is typically in the range from 0.8 to 2 seconds.

⚠ Positioning accuracy better than +/- 5° is generally not achieved. This is due to the mechanical systems employed and does not have any negative impact on the sun protection function.

Other/Backlash
This setting is used to compensate for mechanical play in the Venetian blind when changing rotary direction. A value of 0.2 to 0.3 seconds is typically set. In the case of roller shutters, this time should be 0.0 seconds.

Other/Start delay

Start delay when using an electronic drive: An electronic drive has different start-up behavior from a standard drive. The start-up time delay improves operator ergonomics and the positioning accuracy of the end product/motorized product. This time is set to 0.2 seconds. With the standard drive, it is set to 0 seconds.

The electronic Somfy drives are: WT range (Oximo, Ilmo, Orea), J4WT.

The standard Somfy drives are: LT range, SLT range, LS range, J4 (without WT designation, e.g. HTM)

For non-Somfy drives, please get in touch with your specialist or the respective manufacturer.

Switch Config

"EU"	Short keystroke = change step/stop, long keystroke = up/down.
"US"	Short keystroke = up-down/stop, long keystroke = change step.
"Tilt only"	Venetian blind can only be tilted in its current position.
"Roller"	Short/long keystroke = up/down/stop
"Deadman"	Movement commands are only carried out while the button is depressed

Send to selected zone
Once the setup is completed, the data must be sent to the motor controllers, either to all motor controllers of a zone or just to specific motor controllers. With animeo IB+ 2-, 4-, 6- unit motor controllers, you can even send the data to certain motor controller outputs (1 to 6).

Hit "Start" to send the data entered to the selected zone.

You can use "**Send over ID**" function to send the data entered directly to the device/outputs via the ID address of the motor controller.

Example of use: If shorter motorized products are installed within a zone, you can also set shorter runtimes for these motor controllers. We generally advise against different turning times and a different mechanical tolerance within a zone setting. If you encounter slight deviations between various motorized products/end products due to the mechanical systems used, you should try to find a compromise.

This function is, for example, also useful when you have replaced a motor controller. However, do not forget to make a zone assignment for the corresponding motor controller.

Enter the ID address. You can find this on the barcode sticker on the motor controller (example "ID:8390363". With the Smoove UNO IB+, the address is printed on the rear of the front panel.

If desired, determine the motor controller outputs/drives that are to receive this data. Then hit "Send".

6.5.2.4 Switch Config

With animeo IB+ 2-, 4-, 6-unit Motor Controllers, each Motor Controller output has a sensor input for local operation. This means that you can change the assignment of the sensor inputs to the Motor Controller outputs (see example). However, this only works with outputs on the same Motor Controller. This means that the specialist does not need to connect wire jumpers to the sensor inputs.

Example:

1. animeo IB+ 4-unit Motor Controller with "1+1+1+1"setting (factory default setting)

   Each button controls one Motor Controller output.

2. animeo IB+ 4-unit Motor Controllers with "2+2"setting

   Sensor inputs 1 and 2 control Motor Controller outputs 1 and 2, while sensor inputs 3 and 4 control Motor Controller outputs 3 and 4.

Setting:

Select the corresponding sensor input/Motor Controller output assignments.

You can either send the setting to all Motor Controllers within a zone (= "Send Zone") or just to specific Motor Controllers via the ID address (= "Send ID"). The ID address is on the barcode sticker on the Motor Controller. Hit "Send" to send off the settings.

6.5.2.5 My Position

This allows you to go to a freely selectable position when using local controls.

Example: You wish to close a Venetian blind (bottom = 100 % position), but with the slats of the Venetian blind angled at 45° to provide protection from glare or privacy. Rather than moving the Venetian blind downwards and manually adjusting the slats, you can save this position as an intermediate position and then simply call it up whenever needed.

You can call up the intermediate position either via the TouchBuco (in the "Control" menu) or via the local button on the device. With the animeo IB+ Motor Controller, press the "Up" and "Down" button (do not use a locking push button), with the Smoove UNO IB+, simply press the "my" button. This also applies to the animeo IB+ 4-unit Motor Controller with Somfy-RTS plug-in wireless card.

Note: The intermediate position can only be called up when the motorized product has stopped moving. The intermediate position can also be directly programmed using local controls (please refer to the respective Motor Controller instruction manual). It is then overwritten by the setting on the TouchBuco.

Setting:
Enter the position in % and the angle in °. Hit "Send" to transfer the data entered.

6.5.2.6 Lock Motor Controllers

You can use this function to lock and unlock all Motor Controllers within a zone together or individually via ID number. This means that no settings can be changed (such as runtimes) when locked.

6.5.3 Basic Settings

You can make basic settings using this menu:

- Set date/time
- Locals: Select language
- Touch: Screen settings
- Heartbeat: Enabling of the automatic bus cable monitoring system
- Password: Assign a password
- Network Config: Set up a network

6.5.3.1 Date/Time

You set the time, the date and the time zone here. You can navigate through the time zones using the grey arrows. The UTC (Universal Time Clock - with no summer or winter time) is used as the reference time. When using the compact sensor, the time can automatically be synchronized by the integrated GPS receiver.

Hit "Apply" to confirm the entries.

⚠ The correct setting is necessary when using the timer function with dusk activation, as well as the sun protection function with sun-tracking

You can access all global zones using the magnifying glass.

6.5.3.2 Locals

Select the menu language. You can set the units either automatically or manually.

If "automatic" is selected, the default setting for the respective language is used.

6.5.3.3 Touch

You can navigate through the setting process using the grey arrows.

Brightness: You can use the plus and minus buttons to adjust the brightness of the screen (in %). The change is applied immediately.

Screensaver: You can enable the screensaver here and set when it should be applied (i.e. after how many seconds of inactivity the screen should be put to sleep).

Clock: You can also enable the clock here and set when it should be displayed (i.e. after how many seconds of inactivity).

If you wish to enable both the screensaver and the clock, it is important to ensure that the set times are different. If the clock time is shorter than the screensaver time, the clock is enabled first and then the screensaver. If the screensaver time is shorter than the clock time, the screensaver is enabled and remains in place.

Hit "Lock Touch" to deactivate the touchscreen function, for example if you wish to clean the glass surface.

6.5.3.4 Heartbeat

Move the slider to the right to enable the automatic bus cable monitoring system. A cyclical signal guarantees monitoring. Should this signal fail to arrive at the motor controllers, for example due to a cable break, the end products/motorized products move to their safety position.

Repeat this for all zones as necessary.

6.5.3.5 Password

Assigning a password prevents unauthorized persons from changing parameters during operation."somfy" is set as the default password. However, you can change the password here.

Setting:

"Use Control Password" provides you with access to the operating controls. The controls will be locked after an adjustable idle time of between 1 and 60 minutes.

"Use Settings Password" provides you with access to all functions, except for safety functions.

"Use Security Password" provides you with access to all safety functions.

"Set Remote Password" provides you with access to the device with the corresponding network address.

Get in touch with your specialist if you have forgotten your password.

6.5.3.6 Network Config

With the first connection to a network, TouchBuco is automatically assigned an IP address. This is displayed in the "Network" menu.

You can modify the network data if the device is to be integrated into an existing network with a fixed IP address.

These settings are displayed after restarting the TouchBuco. Hit "Apply" to confirm your entry.

Remote access can be blocked or authorized via the "Enable remote access" field.

Remote access is password-protected (default “somfy). This can be changed in the password settings.

→ You can access the "DNS server" menu using the grey arrow buttons

The IP address for the DNS server 1 or 2 is required to send error messages to an e-mail address.

These are also registered automatically with the first connection

⚠ For TouchBuco Bacnet versions use the grey arrows to get to the “BACnet status online” with two additional functions:

1. Restart Bacnet

   If the TouchBuco BACnet is disconnected from the network, the status is displayed as “OFFLINE”. After connecting the TouchBuco BACnet to the network click on "Restart". The display will change to "Online".

2. Reset Bacnet

   This function resets individually set object values to the default values.

6.5.4 Load Save

"New": You can create a new project file here.
"Delete": Select a file and delete it.
"Load": You can load a previously saved project file here.
"Overwrite": Here, you can update an existing project file after changes to the project.
"Copy from/to USB": You can copy project files from and to a USB stick here.

6.5.5 Update Motor Controllers

This function allows the current motor controller settings to be transferred to the individual zones or to all zones.

6.5.6 Wizard

We recommend using the wizard during commissioning. However, you can also start the guided commissioning at a later time. Hit "Go to Wizard".

⚠ With guided commissioning, the settings are loaded to the motor controllers. If the motor controllers are not connected, the setting is also not transferred. If custom parameter settings have already been saved in the motor controller (for example via ID number), these are overwritten by the corresponding zone settings.

7 Objects

Object name	Object-Type	Object-ID	COV	Unit		Description
WIND_SPEED_1_AI	ANALOG INPUT	AI0	1	74	Meters-per-second	Shows current wind speed value
WIND_SPEED_2_AI	ANALOG INPUT	AI1	1	74	Meters-per-second	
WIND_DIRECTION_AI	ANALOG INPUT	AI2	5	90	Degrees Angular	Shows current wind direction value
SUN_1_AI	ANALOG INPUT	AI3	1000	37	Luxes	Shows current brightness value
SUN_2_AI	ANALOG INPUT	AI4	1000	37	Luxes	
SUN_3_AI	ANALOG INPUT	AI5	1000	37	Luxes	
SUN_4_AI	ANALOG INPUT	AI6	1000	37	Luxes	
SUN_5_AI	ANALOG INPUT	AI7	1000	37	Luxes	
SUN_6_AI	ANALOG INPUT	AI8	1000	37	Luxes	
SUN_7_AI	ANALOG INPUT	AI9	1000	37	Luxes	
SUN_8_AI	ANALOG INPUT	AI10	1000	37	Luxes	
OUTSIDE_TEMPERATURE_AI	ANALOG INPUT	AI11	1	62	Degrees-Celsius	Shows current outside temperature value
PRECIPITATION_BI	BINARY INPUT	BI0	1			Shows current precipitation value 1= precipitation; 0= no precipitation
INSIDE_TEMPERATURE_AI	ANALOG INPUT	AI12	1	62	Degrees	Shows current inside temperature value
INSIDE_TEMPERATURE_AI	ANALOG INPUT	AI13	1	62	Degrees	
INSIDE_TEMPERATURE_AI	ANALOG INPUT	AI14	1	62	Degrees	
INSIDE_TEMPERATURE_AI	ANALOG INPUT	AI15	1	62	Degrees	
ALARM_BV	BINARY VALUE	BV100				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV101				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV102				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV103				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV104				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV105				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV106				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV107				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV108				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV109				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV110				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV111				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV112				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV113				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV114				Write "1" to stop group

Object name	Object-Type	Object-ID	COV	Unit		Description
DOWN_BV	BINARY VALUE	BV115				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV116				Write "1" to recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV117				Write "1" to lock the local control Write “0” to unlock the local control
BLIND_POSITION_AV	ANALOG VALUE	AV100		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV101		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE BV BINARY VALUE	BV200				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV201				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV202				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV203				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV204				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV205				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV206				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV207				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV208				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV209				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV210				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV211				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV212				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV213				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV214				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV215				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV216				Write "1" to recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV217				Write "1" to lock the local control Write “0” to unlock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV218				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV200		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV201		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE BV BINARY VALUE	BV300				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV301				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV302				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box

Object name	Object-Type	Object-ID	COV	Unit		Description
WIND_BV	BINARY VALUE	BV303				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV304				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV305				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV306				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV307				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV308				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV309				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV310				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV311				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV312				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV313				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV314				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV315				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV316				Recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV317				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV318				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV300		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV301		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE BV BINARY VALUE	BV400				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV401				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV402				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV403				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV404				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV405				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV406				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV407				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV408				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV409				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV410				Shows that the blinds are closed to prevent the room from cooling out

Object name	Object-Type	Object-ID	COV	Unit		Description
COOLING_BV	BINARY VALUE	BV411				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV412				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV413				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV414				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV415				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV416				Recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV417				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV418				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV400		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV401		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE	BV500				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV501				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV502				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV503				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV504				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV505				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV506				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV507				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV508				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV509				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV510				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV511				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV512				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV513				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV514				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV515				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV516				Recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV517				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV518				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV500		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position

Object name	Object-Type	Object-ID	COV	Unit		Description
BLIND_ANGLE_	ANALOG VALUE	AV501		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE	BV600				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV601				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV602				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV603				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV604				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV605				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV606				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV607				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV608				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV609				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV610				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV611				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV612				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV613				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV614				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV615				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV616				Recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV617				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV618				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV600		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV601		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE	BV700				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV701				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV702				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV703				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV704				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV705				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV706				Shows that a manual command is executed

Object name	Object-Type	Object-ID	COV	Unit		Description
TIMER_BV	BINARY VALUE	BV707				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV708				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV709				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV710				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV711				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV712				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV713				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV714				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV715				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV716				Recalls the pre-defined position/angle
LOCK_UNLOCK_BV	BINARY VALUE	BV717				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV718				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV700		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV701		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle
ALARM_BV	BINARY VALUE	BV800				Shows status of external alarm input
LOCK_BV	BINARY VALUE	BV801				Shows that local control is locked. Control via TouchBuco is still possible.
ERROR_BV	BINARY VALUE	BV802				Shows critical defect of wind sensor, wind direction sensor and Outside Sensor Box
WIND_BV	BINARY VALUE	BV803				Shows that wind function is active due to exceeded wind threshold and on delay time
SNOW_FROST_ICE_RAIN_BV	BINARY VALUE	BV804				Shows if snow, frost, ice or rain is active due to exceeded on delay time, precipitation and temperature
LOCK_TIMER_BV	BINARY VALUE	BV805				Shows that local control is locked for a pre-defined period
MANUAL_BV	BINARY VALUE	BV806				Shows that a manual command is executed
TIMER_BV	BINARY VALUE	BV807				Shows that an order is sent for a pre-defined time or period
BLOCK_HEAT_BV	BINARY VALUE	BV808				Shows that the blinds are closed to avoid the room from overheating
SOLAR_HEATING_BV	BINARY VALUE	BV809				Shows that the blinds are opened to take advantage of the sun
MAINTAIN_HEAT_BV	BINARY VALUE	BV810				Shows that the blinds are closed to prevent the room from cooling out
COOLING_BV	BINARY VALUE	BV811				Shows that the windows are opened to take advantage of the lower outside temperature
SUN_PROTECTION_BV	BINARY VALUE	BV812				Shows that the blinds are closed due to glare protection
UP_BV	BINARY VALUE	BV813				Write "1" to send group to upper end limit
STOP_BV	BINARY VALUE	BV814				Write "1" to stop group
DOWN_BV	BINARY VALUE	BV815				Write "1" to send group to lower end limit
MY_POSITION_BV	BINARY VALUE	BV816				Recalls the pre-defined position/angle

Object name	Object-Type	Object-ID	COV	Unit		Description
LOCK_UNLOCK_BV	BINARY VALUE	BV817				Write "1" to lock the local control
ENABLE DISABLE SUN PROTECTION BV	BINARY VALUE	BV818				Write "1" to enable the sun protection Write “0” to disable the sun protection
BLIND_POSITION_AV	ANALOG VALUE	AV800		98	Percent	Write a value between 0 % and 100 % to move the blinds to the desired position
BLIND_ANGLE_	ANALOG VALUE	AV801		90	Degree angular	Write a value between 0° and 90° or -90° and 90° to move the blinds to the desired angle

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Somfy Activites SA
50 Avenue du Nouveau Monde
74300 Cluses
France
www.somfy.com/projects