

animeo® Operating Interface Installation guide



Ref. 9013219

Contents

1	Definitions	2
A	General	2
B	Installable sun protection types	2
2	animeo Operating Interface	3
A	Product description	3
B	Installation	3
3	Control panel	
	Configuration with animeo Operating Interface	4
A	Push button assignment	4
B	First commissioning/Basic settings	5
C	Operating the animeo Operating Interface	9
D	Advanced settings/Parameterizing of the functions	10
E	Calling up system information	11
4	Appendix	
	Appendix 1: Glossary	13
	Appendix 2: Toolbar	15
	Appendix 3: Priority list of automatic functions	16
	Appendix 4: Error list	17

Many thanks for having acquired a SOMFY animeo product. With the help of these instructions you are able to carry out all installations, configurations and settings, as well as commissioning.

Prior to installation, please read the safety instructions carefully. If the safety instructions are ignored, all warranties and liability to SOMFY are automatically ineffective.

SOMFY is not responsible for eventual updates and changes in norms and standards following the publication of these instructions.



Prior to installation and commissioning of components, notice must be taken of the applicable instructions. A faulty installation can lead to serious injuries. The components must be installed by a qualified electrician. Somfy cannot be held liable for defects and damages caused as a result of not following instructions. Please keep these instructions for later use.

1 Definitions

A GENERAL

[1] Zones

Generally, a zone defines a building or direction.

For every zone the same sun protection blinds must be installed.

DC/DCE

Motor without/with encoder (pulse giver). Encoders enable an exact fine adjustment and positioning of sun protection blinds.

Mechanical slack compensation

The mechanical slack is compensated electronically. This happens through the number of seconds (DC) or pulses (DCE) in the slat movement procedure.

US Mode/Push button ergonomics

Short pressure (< 0,5 s) starts a complete UP or DOWN movement.

Long pressure (> 0,5 s): slats positioning: system starts a complete UP or DOWN movement after reaching a limit and stops after the push button is released.

EU Mode/Push button ergonomics

Short pressure (< 0,5 s): slats positioning for the duration of operation.

Long pressure (> 0,5 s): slats positioning. Following this, a complete UP or DOWN movement starts.

Running time/length

Defines the measurements of the sun protection blinds. Within the IB+ Compact Software the running times in millimeters applies to motors with encoder (DCE). The running times in seconds applies to motors without encoder (AC/DC).

Tilting time/length

Number of required seconds (AC/DC motors) or pulses (DCE motors) for slat movement of -90° to $+90^\circ$.

Type of end product

Type of the sun protection blinds connected to the motors.

[2] UP and DOWN position

0% refers to the upper end position, 100% to the lower end position of a sun protection system.

B INSTALLABLE SUN PROTECTION TYPES

[1] Textile sun protection (vertical awning)

[2] Exterior Venetian blinds

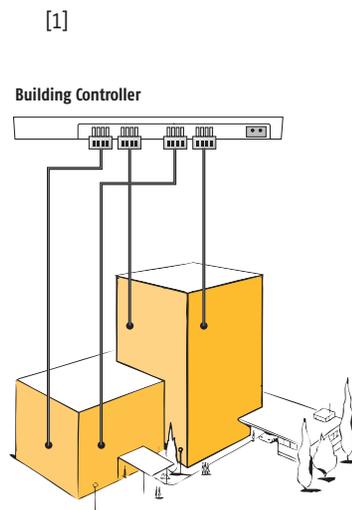
[3] Folding arm

[4] Interior Venetian blinds

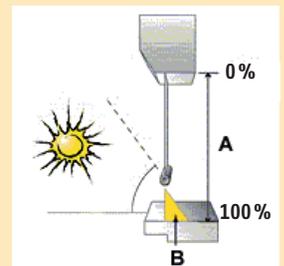
[5] Exterior markisolette (drop arm awning)

[6] Exterior roller shutters

A



[2]



B

[1]



[2]



[3]



[4]



[5]



[6]



2 animeo Operating Interface

Ref. 9013219

A PRODUCT DESCRIPTION

The Operating Interface is an intuitive operational interface with user guide to configure the Building Controller. Moreover, it enables operation of the sun protection system without the use of a PC.

Product features

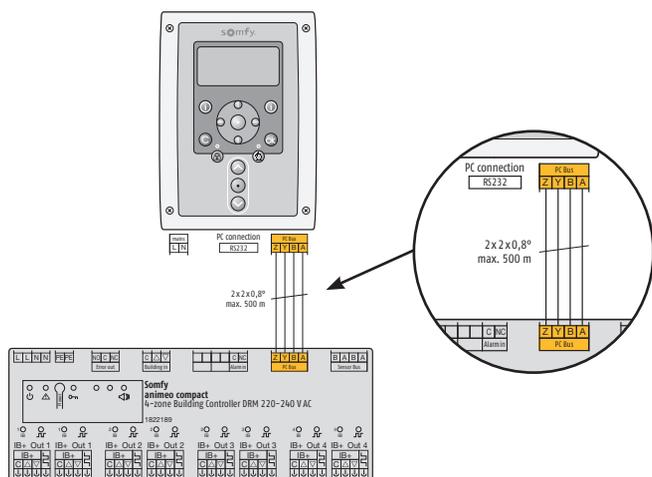
1. Lit-up 128 x 64 pixel display.
2. Laid out for users with little experience in sun protection controlling.
3. RS232 interface for PC connection.
4. Operation-independent of the Building Controller's location.
5. The Operating Interface can be removed after completing the basic configuration and connected again easily, e.g. to carry out further modifications.
6. Compatible with the IB+ Operating Software, which permits to access existing configurations and to make changes.

B INSTALLATION

- [1]
1. Orange plug connector
 2. Grey plug connector
 3. Sub-D plug connector, 9-pole, female
- [2]
1. Housing front
 2. Housing
 3. Housing cover strips
 4. Sub-D plug connector, 9-pole, male

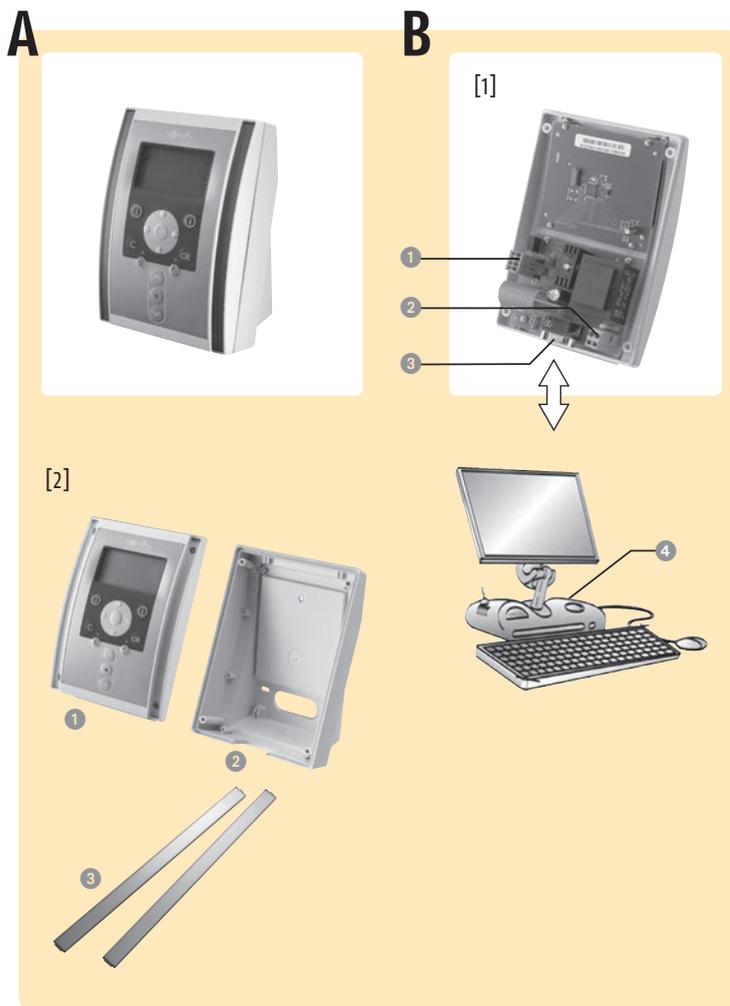
System configuration with the help of the Operating Interface, please see from page 9 onwards.

WIRING DIAGRAM



TECHNICAL DATA

Supply voltage	220 - 240 V AC / 50/60 Hz
Stand-by current (IEC 62301)	35 mA@230 V AC (backlight off) 40 mA@230 V AC (backlight and contrast 50 %)
Stand-by power (IEC 62301)	3,6 W@230 V AC (backlight off) 6,2 W@230 V AC (backlight and contrast 50 %)
User interface	Foil pad with 14 buttons and 2 LED
Display	Graphical, 128 x 64 Pixel, lit-up green-yellow
Operating temperature	0 °C to 45 °C
Relative humidity	85 %
Housing material	ABS, RAL 9002; cover: polycarbonate, transparent, imprint in silver
Housing dimensions (w x h x d)	130 x 182 x 98 mm
Degree of protection	IP 20
Protection class	II
Conformity	www.somfy.com/ce



3

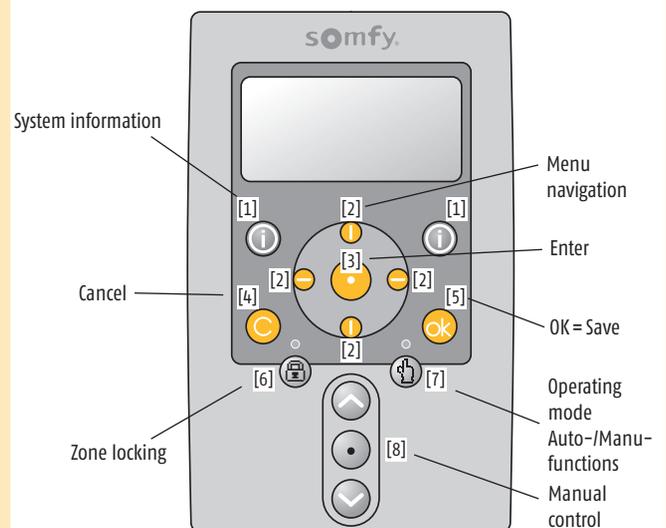
Control panel Configuration with animeo Operating Interface

- A** Push button assignment
- B** First commissioning/Basic settings
- C** Using the animeo Operating Interface
- D** Advanced settings/Parametering of functions
- E** Calling up system information

A PUSH BUTTON ASSIGNMENT

- [1]** Calling up system information for sensors, functions, error messages
- [2]** Menu navigation (up, down, left, right)
- [3]** Enter key
- [4]** Cancel push button
- [5]** OK push button: the setting is saved
- [6]** Zone blocking activating/de-activating (LED on: zone blocked)
- [7]** Automatic function and manual function (LED on: manual function sun off (switched off))
- [8]** Manual control (UP, STOP, DOWN) for selected zone

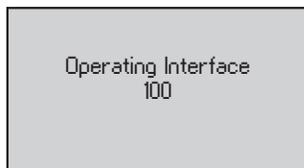
A



3 Configuration with animeo Operating Interface

B FIRST COMMISSIONING/BASIC SETTINGS

After connecting the Operating Interface to the Building Controller, data is transferred briefly from the Building Controller to the Operating Interface. Please wait for the following message in the monitor display.



When the Building Controller already contains a project, please switch to section D.

The following overview shows all menu points of the basic configuration menu. When the Building Controller has been configured over the IB+ Operating Software, full functions for the Operating Interface are not available. Detailed information for individual settings can be found in the glossary.

Operating Interface

- Select Language
 - English, German, French [Option: other languages]
- Date and Time
 - Date: 01...31 [Month (Name)] 2000...
 - Time: 00:00...23:59
- Output mode
 - IB+, IB, RK
- System Test
 - Move to position
 - [30 %, 70 %, 100 % 0°, 100 % 45°]
 - zone [1..8, all]
- LCD Settings
 - Contrast: 0...100
 - Backlight: 0...100

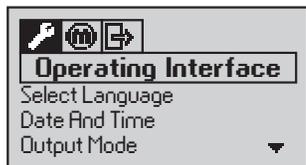
Products

- Select Sensor System
 - Sensor: Outside Sensorbox, Compact Sensor
 - Zone buttons: Yes, No
- Number Of Zones
 - Total zones: 1...8
- Endproduct
 - Exterior Venetian blinds ... [different end products]
 - Select zone: 1..8, all
- Running Time
 - Up: 001.0...320.0 s
 - Down: 001.0...320.0 s
 - Zone: 1..8, all zones
- Tilting Time
 - Set: 00.0...10,0 s or is not used
 - Zone: 1..8, all zones

Exit Config

- Exit Config

When the Building Controller has not been previously configured, the following message is displayed:



Before changing to the main menu, several basic configurations in the Building Controller can be made over the Operating Interface:

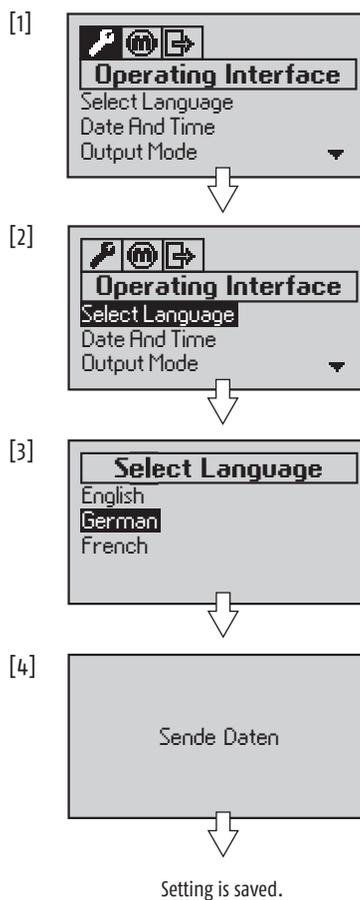
Example: Select language

- | | |
|--|--|
| [1] Select in the menu | Operating Interface |
| [2] Select in the menu (with "down" button)
Confirm with „Enter“ or „Ok“ | Select Language |
| [3] Select in the menu (with up or down) ⁽¹⁾ | English
German
French
(other languages) |

Confirm your selection with „Ok“. Display: Send data

- [4]** Setting is saved (display in selected language)

⁽¹⁾ With "Cancel" back to [2]



3 Configuration with animeo Operating Interface

Example: Setting date and time

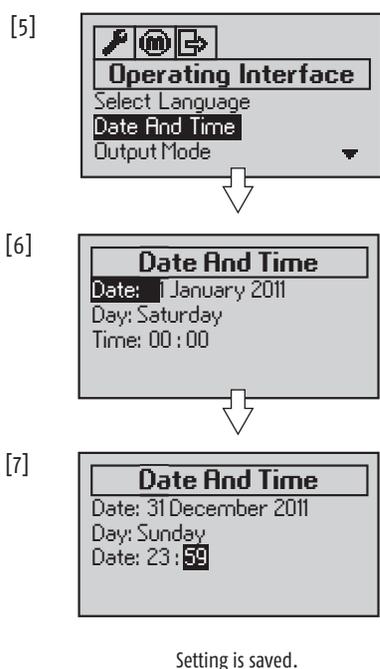
Setting date

- | | |
|---|----------------|
| [5] Select in the menu point (down) | Date And Time |
| Confirm with „Enter“ or „Ok“ | Date |
| [6] Select in the menu point (right) | [day] 01...31 |
| Change the displayed value (day) over menu point (up, down) ⁽²⁾ | |
| Select in the menu point (right) | [month (name)] |
| Change the month: menu point (up, down) ⁽²⁾ | |
| Select in the menu point (right) | [year] 2000... |
| Change the displayed value (year) over menu point (up, down) ⁽²⁾ | |

Setting time

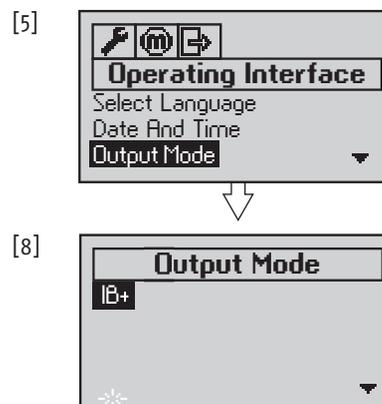
- | | |
|---|----------------------------------|
| [6] Select in the menu point ⁽¹⁾ (left, down) | Time |
| Select in the menu point (right) | [hour] 00...23 |
| Change the displayed value (hour) over menu point (up, down) ⁽²⁾ | |
| [7] Select in the menu point (right) | [minute] 00...59 |
| Change the displayed value (minute) over menu point (up, down) | |
| Use „Ok“ to confirm settings and to return to [5] | Sending data
Setting is saved |

⁽¹⁾ With "cancel" back to [5]
⁽²⁾ Use "Ok" to confirm settings and to return to [5]



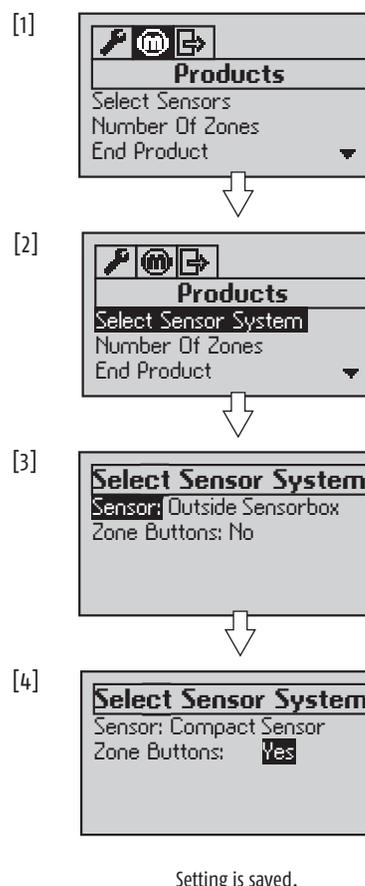
Setting Output Mode

- | | |
|---|-------------|
| [5] Select in the menu | Output Mode |
| Confirm with "Enter" or "Ok" | |
| [8] Select over up/down push button the correct output mode: | |
| IB+: If you use motor controller devices which are marked with IB+ | |
| IB: If you use motor controller devices of the CD series, or the intoe series | |
| RK: If you are controlling motors directly over relais | |
| Confirm with "Ok", setting is saved. | |



Selection of sensor system and zone switches

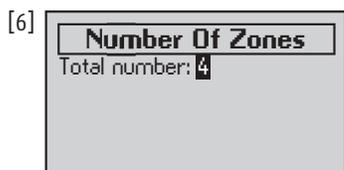
- | | |
|--|--------------------------|
| [1] Select in the menu point | Products |
| [2] Select in the menu point (down) | Select Sensor System |
| Confirm with "Enter" or "Ok" | |
| [3] Select in the menu point (left, right) | Sensor [different types] |
| Select the sensor in the menu point (up, down) | |
| Select in the menu point (left) | |
| [4] Select in the menu point (down) | Zone Buttons |
| Select in the menu point (right and up, down) | [Yes/No] |
| Confirm with "Ok" | Sends Data |



3 Configuration with animeo Operating Interface

Select the number of zones

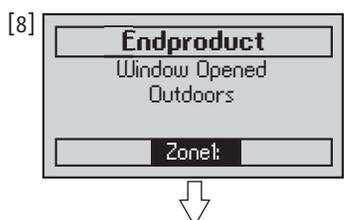
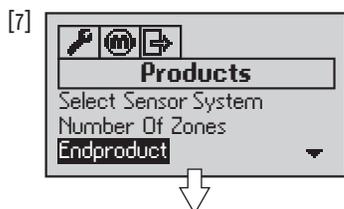
Select in the menu point	Products
[5] Select in the menu point (down) Confirm with "Enter" or "Ok"	Number Of Zones
[6] Select the number in the menu point (up, down) Confirm with "Ok"	Total number [1...8] Sends Data



Setting is saved.

Select end products

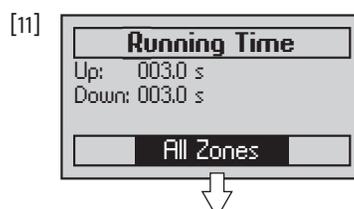
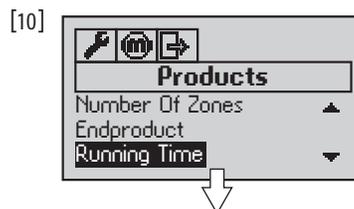
Select in the menu	Products
[7] Select in the menu point (down) Confirm with "Enter" or "Ok"	Endproduct
[8] Select in the menu point (left, right) the zone or all zones, in which the end product is installed	Zone 1..8 [All Zones]
[9] Select the end product over menu (left, right) Confirm with "Ok"	[Different Products] Sends data



Setting is saved.

Select running time

Select in the menu	Products
[10] Select in the menu point (up,down) Confirm with "Enter" or "Ok"	Running Time
[11] Select in the menu point (left, right) the zone, or all zones in which the end product is installed	Zone 1..8 [All Zones]
[12] Select in the menu point the value "Up" Change the displayed value in the menu point (up, down) Select in the menu point the value "Down" Change the displayed value in the menu point (up, down) Confirm with "Ok"	



Setting is saved.

3 Configuration with animeo Operating Interface

Choice of the tilting time

- | | |
|---|--------------------------|
| Select in the menu | Endproduct |
| [13] Select in the menu point | Tilting Time |
| [14] Select in the menu point (left, right) | |
| the zone, or all zones, in which the end product is installed | Zone 1..8
[All Zones] |
| [15] Select in the menu point (left, right) | |
| Change the displayed value (Set) over the menu point (up, down) | |
| Confirm with "Ok" | |



BASIC CONFIGURATION: LEAVE CONFIG

Exiting the system settings

- | | |
|--|---------------------|
| [16] Select in the menu (left, right) | Leave Config |
| [17] Select in the menu point (down) | Leave Config |
| Confirm with "Enter" or "Ok" | |

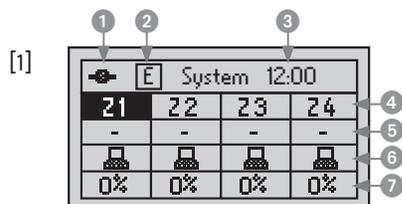


3 Configuration with animeo Operating Interface

C USING THE animeo OPERATING INTERFACE

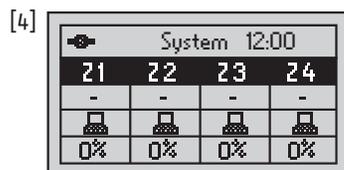
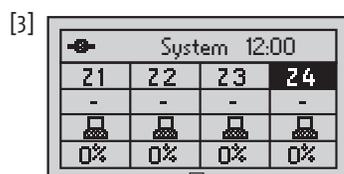
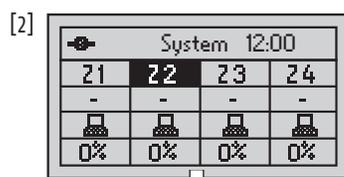
Main menu

- [1] The main menu is displayed as soon as the Building Controller receives a project, or when first commissioning is carried out.
- Connection:** connection status of the Building Controller (online, offline)
 - Error** (e.g. time is not set)
 - Time:** current time (in case it is set)
 - Zone:** from 1 bis 8 (Z1...Z8)
 - Active Function:** zone blocking, sun, wind, rain, zone time ...
 - Operating mode:** automatic sun on/off
 - Position for sun protection:** value between 0% und 100%



To switch zones for manual operation, auto/manu switching, locking

- Check which zone/which zones are currently selected (black background) **Z1...Z8, [all zones]**
- Select in the menu point (left, right) **Z2**
- Select in the menu point (left, right) **Z4**
- Select in the menu point (left, right) **[all zones]**

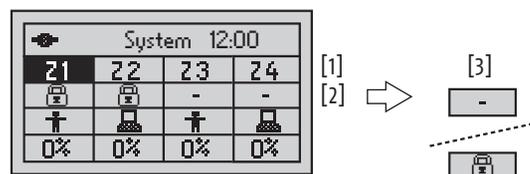


ZONE LOCKING

The locking or unlocking of individual, or all zones is possible.

Zone Locking

- Select the zone/the zones which should be locked or unlocked **Z1...Z8, [all zones]**
 - Check the current locked zone **[locked], - (unlocked)**
 - Change the zone locking by pressing the push button "Locking Zone(s)" **-(unlocked); [locked]**
- The LED in the push button "Locking zone(s)" lights up



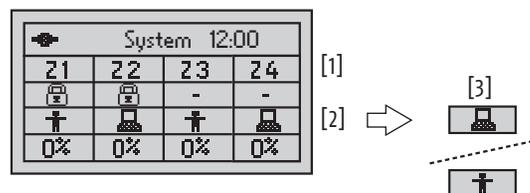
In the above mentioned example the zones 1 and 2 are locked.

OPERATING MODE (Auto/Manu)

Individual or all zones can be operated in automatic or manual mode. In manual mode, sun functions are deactivated.

Changing of "Auto/Manu Operation"

- Select zone/zones for which you want to change the operating mode **Z1...Z8, [all zones]**
- Check the current operating mode for the intended zones **[automatic] / [manual]**
- Change the operation mode by pressing the push button "operation mode" (auto/manu function) **[automatic] / [manual]**



3 Configuration with animeo Operating Interface

D ADVANCED SETTINGS/ PARAMETERING OF THE FUNCTIONS

Changing Configuration

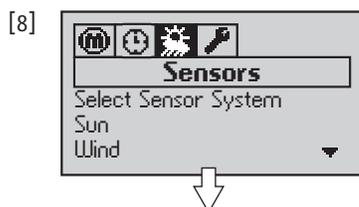
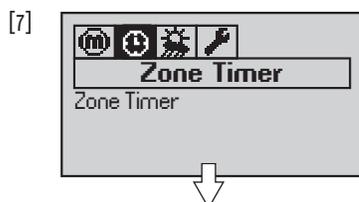
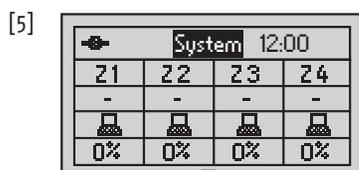
When a project should be changed it can be done at any time over the Operating Interface using the push buttons (see page 9).

[5] Select in the menu (up)	System
[6] Confirm with "Enter" or "Ok"	Endproduct
[7] Select in the menu point (right)	e.g. Zone Time
[8] Select in the menu point (right)	e.g. Sensors
[9] Select in the menu point (right)	e.g. Settings

Always pay attention that you are changing the settings for a particular zone. The zone is shown on the last line of the display and can be changed in the menu point (right, left).

Additional settings

All advanced settings are shown on the side in the menu overview.



MENU STRUCTURE (ADVANCED CONFIGURATION MENU)

The following overview shows the complete advanced configuration menu. When the Building Controller is configured over the IB+ Operating Software, the Operating Interface displays that full functionality is not available. You can find detailed information for individual settings in the glossary.

Endproduct

Running Time
Up: 001.0...320.0 s
Down: 001.0...320.0 s
Zone [1..8, all]
Tilting Time
Set: 00.0...10.0 s
Zone [1..8, all]
Backlash
Set: 00.0...10.0 s
Zone [1..8, all]
Endproduct
Interior Venetian Blind ... [different end products]
Zone [1..8, all]

Zone Timer

Zone Timer
Enable: No
Day: Monday-Sunday, all days
Time 1: 00:00...23:59, deactivated
Time 2: 00:00...23:59, deactivated
Time 1Pos.: 0%, 100%
Time 2Pos.: 0%, 100%
IP1 Pos.: 0...100%
IP1 Ang.: 0...90°
IP2 Pos.: 0...100%
IP2 Ang.: 0...90°

Sensors

Select Sensor System
Sensor: Compact Sensor, Outside Sensorbox
Zone Buttons: Yes, No
Sun
Sensors: [Compact Sensor: 3, Outside Sensorbox: max. 8 Sensors]
On Delay: 01...255 min
On Threshold: 02...50 kLux
Off Delay: Time: 01...255 min
Off Threshold : 01...[Nominal Value] kLux
Sun Position: 00...100%
Sun Degrees +/-: 00...90°, not in use
Zone [1..8, all]
Wind
Sensors: [Compact Sensor: 1, Outside Sensorbox: max. 2 Sensors]
Threshold: 01...30 m/s
On Delay: 01...255 s
Off Delay: 01...255 Min
Zone [1..8, all]
Rain/Ice
Rain: Enabled, Disabled
On Delay: 01...255 s
Off Delay: 01...255 Min
Ice: Enabled, Disabled
Threshold: -40 °C...5 °C
On Delay: 01...255 min
Off Delay: 60...2540 min, Infinity
History: 01...40 h

Settings

Select Language
English, German, French [Option: other languages]
Date And Time
Date: 01...31 [month (name)] 2000...
Time: 00:00...23:59
Password Settings
Set Password: [xxxx]
Enable Password: [On/Off]
Number Of Zones
Total Zones: 1...8
Major Alarm
Enabled: Yes, No
Position: 000 %, 100 %
Performance Mode
Mode: Standard: Local Control, Perf.: Timer, No Local Control
Reset Time: 00:00...23:59
Output Mode
IB+, IB, RK
System Test
Test Start
(Move to 30%, 70%, 100% 0°, 100% 45°)
Zone [1..8, all]
LCD Settings
Contrast: 0...100
Backlight: 0...100
BuCo Backup
Save Received Settings
Save Received Settings? Yes / No
Load Data for BuCo [Yes / No]
Product Info

3 Configuration with animeo Operating Interface

E CALLING UP SYSTEM INFORMATION

[1] The system information is displayed over the push button ❶. Repeated pressing returns to the main menu [1].

The Operating Interface displays the state of all used sensors. In addition, error messages can be displayed for evaluation. Select the zone from which you wish to call up information (compare section G), before activating the push button for system information.

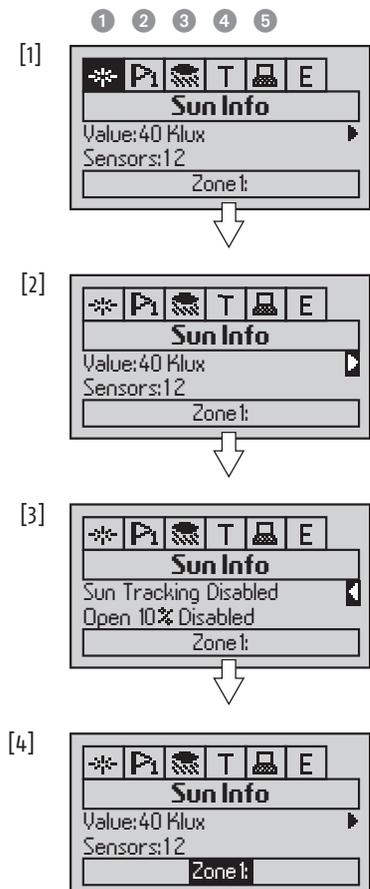
1. **Sun Info:** Display of sun intensity, measured in the sensor, or display of the highest measured value of several sun sensors (the sensor blinks), wind direction E/A, Display of the zones.
2. **Wind Info:** Display of wind speed, measured in the sensor, or display of the highest measured value of several wind sensors (sensor blinks), wind direction E/A, display of the zones.
3. **Rain Info:** Rain enabled/disabled, snow enabled/disabled, ice enabled/disabled, number of zones
4. **Temperature Info:** Display of outside temperature and the zones
5. **Function Info:** Display of the active functions and the zones
6. **Error Info:** Display of registered errors in English

Example: Calling up "Sun Info"

Check which zone/which zones are currently selected (see section G)	Z1...Z8, [All Zones]
[1] Change through "system information" (i press button) to the system information menu	Sun Info
Select in the menu point (left, right)	
[2] Select in the menu point (down)	[Value] Klux
[3] Call up more system information in the menu point (right)	sun position [Enabled, Disabled]
[4] Change through menu point (down) to the desired zone	[Current Zone]
Change between the zones over menu point (left, right)	
With "System information" or "Cancel" back	

Other system informationen

Return to step [1] and follow the description above to call up system information for wind, rain, temperature, functions or errors.



- 1** Glossary
- 2** Icon list
- 3** Priority list of functions
- 4** Error list

APPENDIX 1

Glossary

End product

Running time	Important information to carry out positioning exactly (in % and angle).
Running time up	Measured time for a complete move of sun protection from lower to upper end position.
Running time down	Measured time for a complete move of sun protection from upper to lower end position.
Tilting time	Measured time for a complete slats turn of the sun protection from smallest to widest work angle.
Backlash	Idle time, caused by the mechanical play of the motor when changing from the running direction of the sun protection. As a rule, it is from the start of motor moving to start of the movement of sun protection, between 0.2 secs. and 0.5 secs.
End product	End product selection (Venetian blinds, textile sun protection, folding arm awning, roller shutters, ...). With Venetian blinds, a difference is made between -90/90 degrees and the 0/90 degrees version. When the Venetian blinds with horizontal slats moves upwards, the 0/90 degree version should be selected.

Zones Timer

Using	When the function "Zones Timer" is used, the complete sun protection during a defined time period, up to two times per day (time 1 and time 2), in a defined position, (time 1 pos. and time 2 pos.), remains blocked.
Day	Selection of the desired day.
Time1	Time period in which the complete sun protection, defined in "Time1 Pos.", is assigned. The time period is deactivated when the start and end time are identical.
Time2	Time period in which the complete sun protection, defined in "Time2 Pos.", is assigned. The time period is deactivated when the start and end time are identical.
Time1 Pos.	Blocked position of the sun protection during „Time1“.
Time2 Pos.	Blocked position of the sun protection during "Time2".
IP1Pos.	Position of the sun protection for the first intermediate position.
IP1Ang.	Angle of the sun protection for the first intermediate position.
IP2Pos.	Position of the sun protection for the second intermediate position.
IP2Ang.	Angle of the sun protection for the first intermediate position.

Sensors

Select Sensors	Selection of the used sensor system.
Sensor	Select sensor system: Compact Sensor or Outside Sensor Box.
Zone switch	Only use if the Inside Sensor Box is used in the system.
Sun	The automatic sun protection is activated, if the sun intensity, defined by the nominal value during a defined time (response time) is not interrupted. The sun protection then moves to a defined position, or makes a defined turn. When the sun intensity, within a defined time period (delay time), falls below the nominal value (nominal value off), the automatic is deactivated and the sun protection moves to the upper end position. The automatic is settable for each zone.
Sensors	Number of sun sensors for zones displayed on the screen (max. 3 with the Compact Sensor and max. 8 with the Outside Sensor Box).
Response time	Time period, in which the sun intensity should be at a minimum over the nominal value to activate the sun automatic.
Nominal value	When the sun intensity exceeds this value to the minimum during the response time, the automatic is activated.
Delay time	Time period, in which the sun intensity should be at a minimum under the nominal value to deactivate the sun automatic.

Nominal value deactivated	When the sun intensity comes below this value at a minimum during the delay time, the automatic is deactivated.
Position	Position of the sun protection during automatic operation.
Tilting	Alignment of the slats during automatic operation (0° = horizontally, 90° = vertically).
Wind	The wind protection automatic is activated when the wind speed during a defined time (response time) is continuously over the defined nominal value. In this case, the sun protection, or windows, are blocked in a defined safety position. The sun automatic and the local operation are no longer possible. If the wind speed falls during a defined time (delay time) under the defined nominal value (nominal value deactivated) the automatic is deactivated. The automatic is settable for each zone.
Sensors	Number of sun sensors for zones displayed on the screen (1 with the Compact Sensor and max. 2 with the Outside Sensor Box).
Response time	Time period in which the wind speed must be at a minimum over the nominal value to activate the automatic.
Nominal value	When the wind speed exceeds this value at the minimum during the response time, the automatic is activated.
Delay time	Time period in which the wind speed should be at a minimum under the nominal value to deactivate the sun automatic.
Nominal value deactivated	See explanation for "delay time".
Rain	The rain protection automatic is activated when it rains continuously during a defined time (response time). In this case, the sun protection, or windows, are blocked in a defined safety position. The local operation is no longer possible. If the rain stops within a defined time (delay time) the automatic is deactivated. The automatic is settable for each zone.
Response time	Time period in which it rains, to activate the automatic.
Delay time	Time period in which it stops raining to deactivate the automatic.
Ice	The ice protection automatic is activated when the outside temperature during a defined time (response time) is continuously under the defined nominal value and it's raining since a defined time (rain history). In this case, the sun protection, or windows, are blocked in a defined safety position. The sun automatic and local operation are no longer possible. The ice protection automatic can be deactivated either manually or automatically when the outside temperature during a defined time (delay time) is above the defined nominal value. The automatic is settable for each zone.
Nominal value	When the outside temperature is lower than this value at a minimum during the response time, the automatic is activated.
Response time	Time period in which the outside temperature should be at a minimum under the nominal value to activate the automatic.
Delay time	Time period in which the outside temperature should be at a minimum above the nominal value to deactivate the automatic. With manual deactivating the delay time must be set to "infinity". To deactivate, the complete ice function must be switched off, and when needed, subsequently activated again.
Rain history	Time period in which it should rain to activate the ice protection automatic.

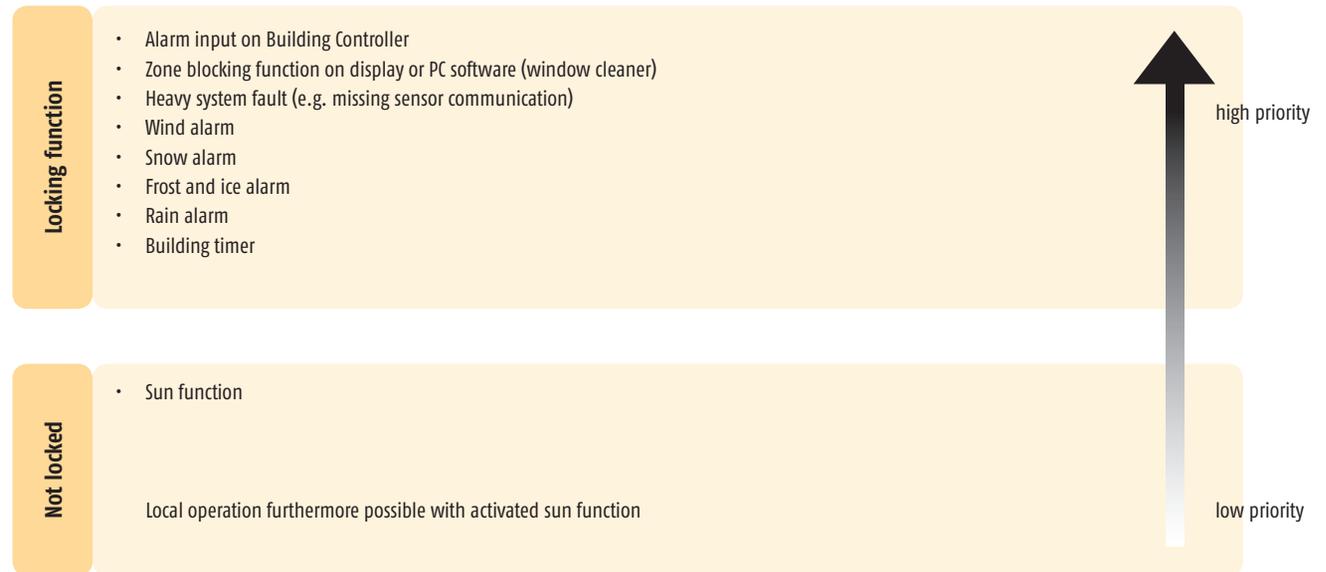
Settings

Select Language	Setting the language.
Date And Time	Setting date and time.
Password Settings	To use a password.
Set Password	Enter a password.
Enable Password	Activates password protection and prevents updates and changes being made without the use of a password.
Number Of Zones	Refers, as a rule, to the orientation of the building façades (East, South, West, ...). Only one end product type can be used for each zone.
Total Zones	Total number of used zones: 1...4.
Major Alarm	Major Alarm of the Building Controllers.
(Alarm) Enabled	Major alarm enabled: yes/no.
Position	Position, the sun protection moves to, as soon as a signal at the alarm is inputted: Completely up (0 %) or completely down (100 %). After activation, local control is no longer possible.
Performance Mode	Behaviour of the system: priorities between local operation and comfort functions, e.g. sun, are placed differently corresponding to the set type of mode.
Standard: Local Control	The comfort functions controlled by the Building Controller, e.g. sun automatic, are in each case, carried out by the Motor Controllers of the corresponding zones.
Perf.: Timer, Loc.Contr.	Comfort functions, e.g. sun automatic, are only carried out when they were previously not manually controlled. When yes, no sun automatic commands will be carried out up to the next "Automatic Set" message. This mode is particularly beneficial for the individual comfort of office users.
Reset Time	With the selection of performance mode "Perf.: Timer, Loc.Contr." the time is set at which the automatic operation for sun will be again activated. Typically here 23:00 hrs is set.
Output Mode	Selection of the type of output signals.
IB+	Four-wired cable between Building Controller and Motor Controller (from the animeo range).
IB	Three-wired cable between Building Controller and Motor Controller (from the Inteo or CD range).
RK	Three-wired cable between Building Controller and Motor Controller (requires an additional device interface; suitable for basic switch relay boxes).
Systemtest	The end products, zone for zone, can be moved to predefined positions to test the system (30 %, 70 % for blinds or windows and 100 %, 0 ° or 100 %, 90 ° for Venetian blinds). This test enables checking the motor and the bus wiring (typically up/down are incorrect), and the setting of the motor parameters such as running and tilting times.
Select Test zone	Selection of the test zone: zones 1 to 4.
LCD Settings	LCD Settings: Contrast and Backlight.
BuCo Backup	Data interchange between Building Controller and Operating Interface (in the Building Controller saved data relevant for carrying out commands).
Received Data	Backup of the saved data in the Building Controller for the Operating Interface (Backup).
Load data to BuCo	Transfer of saved data in the Building Controller for the Operating Interface (Restore).
Product Info	Display of product information.

Symbol	Explanation
	Sun automatic deactivated, manual operation over Operating Interface possible
	Sun automatic activated, no manual operation over Operating Interface possible
	Zone blocked: Blinds blocked in the upper end position (e.g. for window cleaners)
	Sun function activ
	Measured sun value over nominal value. After the switched delay the sun function is activated.
	Measured sun value under nominal value. After the switched delay the sun function is deactivated.
	Wind function
	Rain function
	Temperature function
	Snow function/Ice function
	Error
	Connection display with Building Controller
	Connection between Operating Interface and Building Controller interrupted („offline“)
	End product, motor settings
	Building timer, settings
	Sensors, automatic functions settings
	General settings
	Exit

APPENDIX 3

Priority list of the automatic functions



1295	const_huge UBYTE* const lngEnErrorTxt_pUB	[L_MAX_LANG] [LET_MAX] = {"Out. temp. sens.: Not con.", "Out. temp. sens.: Short circuit.", "Out. temp. sens.: Not config.", "Wind sens. 1: Timeout, 24h", "Wind sens. 2: Timeout, 24h",
1300		"Wind sens. 1: Not config", "Wind sens. 2: Not config", "Wind direc. sens.: No sig.", "Wind direc. sens.: Overload.", "Wind direc. sens.: Not config.",
1305		"Percipitation sensor error.", "Out. sens. box, soft. vers. incomp.", "Sensor error", "Compact sens.: Not conn.", "Compact sens.: Not config.",
1310		"Wind sens. 3: Timeout, 12h", "Wind sens. 4: Timeout, 12h", "Wind sens. 3: Not config.", "Wind sens. 4: Not config.", "Out. sens. box, soft. vers. incomp.",
1315		"Sensor error", "EEPROM not accessible.", "EEPROM of slave module not accessible", "Error BuCo Hardware", "PC debug major err.",
1320		"Building controller debug major error." "Major alarm input error.", "Error Building controller extension", "Building control. ext., soft. vers. incomp.", "Time lost error.",
1325		"no requests from master module", "Major error", "Sun sens. 1: Not conn.", "Sun sens. 2: Not conn.", "Sun sens. 3: Not conn.",
1330		"Sun sens. 4: Not conn.", "Sun sens. 5: Not conn.", "Sun sens. 6: Not conn.", "Sun sens. 7: Not conn.", "Sun sens. 8: Not conn.",
1335		"Sun sens. 1: Short circ.", "Sun sens. 2: Short circ.", "Sun sens. 3: Short circ.", "Sun sens. 4: Short circ.", "Sun sens. 5: Short circ.",
1340		"Sun sens. 6: Short circ.", "Sun sens. 7: Short circ.", "Sun sens. 8: Short circ.", "Sun sens. 1: Not config.", "Sun sens. 2: Not config.",
1345		"Sun sens. 3: Not config.", "Sun sens. 4: Not config.", "Sun sens. 5: Not config.", "Sun sens. 6: Not config.", "Sun sens. 7: Not config.",
1350		"Sun sens. 8: Not config.", "Sun sens. 9: Not conn.", "Sun sens. 10: Not conn.", "Sun sens. 11: Not conn.", "Sun sens. 12: Not conn.",
1355		"Suns sens. 9: Short circ.", "Suns sens. 10: Short circ.", "Suns sens. 11: Short circ.", "Suns sens. 12: Short circ.", "Suns sens. 9: Not config.",

1360	"Suns sens. 10: Not config.", "Suns sens. 11: Not config.", "Suns sens. 12: Not config.", "In. temp. sens. 1: Not conn.", "In. temp. sens. 2: Not conn.",
1365	"In. temp. sens. 1: Short circ.", "In. temp. sens. 2: Short circ.", "In. temp. sens. 1: Not config.", "In. temp. sens. 2: Not config.", "In. sensor box 1, soft. vers. incomp.",
1370	"In. sensor box 1 error", "In. temp. sens. 3: Not conn.", "In. temp. sens. 4: Not conn.", "In. temp. sens. 4: Short circ.", "In. temp. sens. 3: Short circ.",
1375	"In. temp. sens. 3: Not config.", "In. temp. sens. 4: Not config.", "In. sens. box 2, soft. vers. incomp.", "In sens. box 2 error.", "No DCF module in sensor Box",
1380	"DCF Insufficient sig. level", "DCF No sig. available", "DCF No complete info yet", "DCF No DCF info",

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