animeo®
Operating Interface
Installation guide

Ref. 9013219
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/DC 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°.

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)
[3] Folding arm
[4] Interior Venetian blinds
[5] Exterior markisolette (drop arm awning)

Appendix

Appendix 1: Glossary
Appendix 2: Toolbar
Appendix 3: Priority list of automatic functions
Appendix 4: Error list

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.
**animeo Operating Interface**

Ref. 9013219

### 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.
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.

### 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.

### 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
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
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
- **End product**
  - 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
- **Tilting Time**
  - Set: 00.0…10,0 s or is not used

## Exit Config

- **Exit Config**

---

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

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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) "Select Language"
3. Confirm with „Enter“ or „Ok“

**Operating Interface**

- **Select Language**
  - English
  - German
  - French
  - (other languages)

4. Confirm your selection with „Ok“. Display: Send data
   - Setting is saved (display in selected language)

10 With “Cancel” back to [2]
Configuration with animeo Operating Interface

Example: Setting date and time

Setting date
[5] Select in the menu point (down) Confirm with „Enter“ or „Ok“ Date And Time
[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 (left, down) [hour] 00…23
Select in the menu point (right) [minute] 00…59
Change the displayed value (hour) over menu point (up, down) (2)
Change the displayed value (minute) over menu point (up, down) (2)
Use „Ok“ to confirm settings and to return to [5]
Sending data and to return to [5]
Setting is saved.

Setting Output Mode
[5] Select in the menu Output Mode
[8] select 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 intereo 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
[3] Select in the menu point (left, right) Sensor [different types]
[4] Select in the menu point (up, down) Select the sensor in the menu point (up, down)
[5] Select in the menu point (down) Select in the menu point (left)
[6] Select in the menu point (down) Zone Buttons
[7] Select in the menu point (right and up, down) [Yes/No]
Confirm with „Ok“ Sends Data
Setting is saved.
Configuration with animeo Operating Interface

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

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

Select running time
Select in the menu Products Running Time
[10] Select in the menu point (up,down) Number Of Zones
Confirm with “Enter” or “Ok”
[11] Select in the menu point (left, right) the zone, or all zones in which the end product Zone 1..8 is installed [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.
Configuration with animeo Operating Interface

### Choice of the tilting time

1. Select in the menu point “Endproduct” and then “Tilting Time”.
2. Select the zone(s) where the end product is installed. For example, “Zone 1..8” or “All Zones”.
3. Select the zone(s) for the tilting time. For example, “All Zones”.
4. Change the displayed value (Set) over the menu point “up, down”.
5. Confirm with “Ok”.

### BASIC CONFIGURATION: LEAVE CONFIG

1. Select “Leave Config” in the menu.
2. Confirm with “Enter” or “Ok”.

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#### Diagrams

- [Choice of the tilting time](#) with menu options and settings.
- [BASIC CONFIGURATION: LEAVE CONFIG](#) with menu options and settings.
**Configuration with animeo Operating Interface**

**C USING THE animeo OPERATING INTERFACE**

**Main menu**

1. **Connection**: connection status of the Building Controller (online, offline)
2. **Error**: (e.g., time is not set)
3. **Time**: current time (in case it is set)
4. **Zone**: from 1 bis 8 (Z1...Z8)
5. **Active Function**: zone blocking, sun, wind, rain, zone time...
6. **Operating mode**: automatic sun on/off
7. **Position for sun protection**: value between 0 % and 100%

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

1. Check which zone(s)/which zones are currently selected (black background)
2. Select in the menu point (left, right)
3. Select in the menu point (left, right)
4. Select in the menu point (left, right)

**ZONE LOCKING**

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

**Zone Locking**

1. Select the zone(s)/the zones which should be locked or unlocked
2. Check the current locked zone
3. Change the zone locking by pressing the push button “Locking Zone(s)”
   - (unlocked)/[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”**

1. Select zone/zones for which you want to change the operating mode
2. Check the current operating mode for the intended zones
3. Change the operation mode by pressing the push button “operation mode” (auto/manu function)

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In the above mentioned example the zones 1 and 2 are locked.
Configuration with animeo Operating Interface

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).

1. Select in the menu (up) System
2. Confirm with “Enter” or “Ok” Endproduct
3. Select in the menu point (right) e.g. Zone Time
4. Select in the menu point (right) e.g. Sensors
5. 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.

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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 1 Pos.: 0%, 100%
  - Time 2 Pos.: 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
    - Off Delay: 01...255 min
    - On Threshold: 02...50 klux
    - 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

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
Configuration with animeo Operating Interface

E CALLING UP SYSTEM INFORMATION

[1] The system information is displayed over the push button . 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)

[1] Change through “system information” (press button) to the system information menu
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
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.
APPENDIX

1. Glossary
2. Icon list
3. Priority list of functions
4. Error list
## APPENDIX 1

### Glossary

#### End product

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Running time</td>
<td>Important information to carry out positioning exactly (in % and angle).</td>
</tr>
<tr>
<td>Running time up</td>
<td>Measured time for a complete move of sun protection from lower to upper end position.</td>
</tr>
<tr>
<td>Running time down</td>
<td>Measured time for a complete move of sun protection from upper to lower end position.</td>
</tr>
<tr>
<td>Tilting time</td>
<td>Measured time for a complete slats turn of the sun protection from smallest to widest work angle.</td>
</tr>
<tr>
<td>Backlash</td>
<td>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.</td>
</tr>
<tr>
<td>End product</td>
<td>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.</td>
</tr>
</tbody>
</table>

#### Zones Timer

<table>
<thead>
<tr>
<th>Zone filter Used</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day</td>
<td>Selection of the desired day.</td>
</tr>
<tr>
<td>Time1</td>
<td>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.</td>
</tr>
<tr>
<td>Time2</td>
<td>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.</td>
</tr>
<tr>
<td>Time1 Pos.</td>
<td>Blocked position of the sun protection during “Time1“: Position of the sun protection for the first intermediate position.</td>
</tr>
<tr>
<td>IP1Ang.</td>
<td>Angle of the sun protection for the first intermediate position.</td>
</tr>
<tr>
<td>IP2Pos.</td>
<td>Position of the sun protection for the second intermediate position.</td>
</tr>
<tr>
<td>IP2Ang.</td>
<td>Angle of the sun protection for the first intermediate position.</td>
</tr>
</tbody>
</table>

#### 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 solar intensity should be at a minimum over the nominal value to deactivate the sun automatic.                                                                                 |
| Nominal value  | When the solar intensity exceeds this value to the minimum during the response time, the automatic is activated.                                                                                          |
| Delay time     | Time period, in which the solar intensity should be at a minimum under the nominal value to deactivate the sun automatic.                                                                                 |

### Using

| Nominal value | 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 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 sun automatic and the local operation are no longer possible. |

### 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). |

### Delay time

| Time period in which the outside temperature during a delay time is above the defined nominal value. The automatic is deactivated. 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.                                                                                     |
### APPENDIX 1

#### Glossary

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Language</td>
<td>Setting the language.</td>
</tr>
<tr>
<td>Date And Time</td>
<td>Setting date and time.</td>
</tr>
<tr>
<td>Password Settings</td>
<td>To use a password.</td>
</tr>
<tr>
<td>Set Password</td>
<td>Enter a password.</td>
</tr>
<tr>
<td>Enable Password</td>
<td>Activates password protection and prevents updates and changes being made without the use of a password.</td>
</tr>
<tr>
<td>Number Of Zones</td>
<td>Refers, as a rule, to the orientation of the building facades (East, South, West,...). Only one end product type can be used for each zone.</td>
</tr>
<tr>
<td>Total Zones</td>
<td>Total number of used zones: 1...4.</td>
</tr>
<tr>
<td>Major Alarm</td>
<td>Major Alarm of the Building Controllers.</td>
</tr>
<tr>
<td>(Alarm) Enabled</td>
<td>Major alarm enabled: yes/no.</td>
</tr>
<tr>
<td>Position</td>
<td>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.</td>
</tr>
<tr>
<td>Performance Mode</td>
<td>Behaviour of the system: priorities between local operation and comfort functions, e.g. sun, are placed differently corresponding to the set type of mode.</td>
</tr>
<tr>
<td>Standard: Local Control</td>
<td>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.</td>
</tr>
<tr>
<td>Perf.: Timer, Loc.Contr.</td>
<td>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 <em>Automatic Set</em> message. This mode is particularly beneficial for the individual comfort of office users.</td>
</tr>
<tr>
<td>Reset Time</td>
<td>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.</td>
</tr>
<tr>
<td>Output Mode</td>
<td>Selection of the type of output signals.</td>
</tr>
<tr>
<td>IB+</td>
<td>Four-wired cable between Building Controller and Motor Controller (from the animeo range).</td>
</tr>
<tr>
<td>IB</td>
<td>Three-wired cable between Building Controller and Motor Controller (from the Inteo or CD range).</td>
</tr>
<tr>
<td>RK</td>
<td>Three-wired cable between Building Controller and Motor Controller (requires an additional device interface; suitable for basic switch relay boxes).</td>
</tr>
<tr>
<td>Systemtest</td>
<td>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.</td>
</tr>
<tr>
<td>Select Test zone</td>
<td>Selection of the test zone: zones 1 to 4.</td>
</tr>
<tr>
<td>LCD Settings</td>
<td>LCD Settings: Contrast and Backlight.</td>
</tr>
<tr>
<td>BuCo Backup</td>
<td>Data interchange between Building Controller and Operating Interface (in the Building Controller saved data relevant for carrying out commands).</td>
</tr>
<tr>
<td>Received Data</td>
<td>Backup of the saved data in the Building Controller for the Operating Interface (Backup).</td>
</tr>
<tr>
<td>Load data to BuCo</td>
<td>Transfer of saved data in the Building Controller for the Operating Interface (Restore).</td>
</tr>
<tr>
<td>Product Info</td>
<td>Display of product information.</td>
</tr>
<tr>
<td>Symbol</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>🌞 synonyms deactivated, manual operation over Operating Interface possible</td>
<td></td>
</tr>
<tr>
<td>🌞 synonyms activated, no manual operation over Operating Interface possible</td>
<td></td>
</tr>
<tr>
<td>🛠️</td>
<td>Zone blocked: Blinds blocked in the upper end position (e.g. for window cleaners)</td>
</tr>
<tr>
<td>🌋</td>
<td>Sun function activated</td>
</tr>
<tr>
<td>🌋 🔺</td>
<td>Measured sun value over nominal value. After the switched delay the sun function is activated.</td>
</tr>
<tr>
<td>🌋 🔻</td>
<td>Measured sun value under nominal value. After the switched delay the sun function is deactivated.</td>
</tr>
<tr>
<td>⚪</td>
<td>Wind function</td>
</tr>
<tr>
<td>🌦</td>
<td>Rain function</td>
</tr>
<tr>
<td>🌡</td>
<td>Temperature function</td>
</tr>
<tr>
<td>🚨</td>
<td>Snow function/Ice function</td>
</tr>
<tr>
<td>🔴</td>
<td>Error</td>
</tr>
<tr>
<td>🔍</td>
<td>Connection display with Building Controller</td>
</tr>
<tr>
<td>🔍 🔨</td>
<td>Connection between Operating Interface and Building Controller interrupted (“offline”)</td>
</tr>
<tr>
<td>🔔</td>
<td>End product, motor settings</td>
</tr>
<tr>
<td>🕒</td>
<td>Building timer, settings</td>
</tr>
<tr>
<td>📲</td>
<td>Sensors, automatic functions settings</td>
</tr>
<tr>
<td>🔥</td>
<td>General settings</td>
</tr>
<tr>
<td>🔴</td>
<td>Exit</td>
</tr>
</tbody>
</table>
## APPENDIX 3
Priority list of the automatic functions

<table>
<thead>
<tr>
<th>Locking function</th>
<th>high priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Alarm input on Building Controller</td>
<td></td>
</tr>
<tr>
<td>• Zone blocking function on display or PC software (window cleaner)</td>
<td></td>
</tr>
<tr>
<td>• Heavy system fault (e.g. missing sensor communication)</td>
<td></td>
</tr>
<tr>
<td>• Wind alarm</td>
<td></td>
</tr>
<tr>
<td>• Snow alarm</td>
<td></td>
</tr>
<tr>
<td>• Frost and ice alarm</td>
<td></td>
</tr>
<tr>
<td>• Rain alarm</td>
<td></td>
</tr>
<tr>
<td>• Building timer</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Not locked</th>
<th>low priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Sun function</td>
<td></td>
</tr>
</tbody>
</table>

Local operation furthermore possible with activated sun function
## Error list

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1295</td>
<td>const huge UBYTE* const lngEnErrorTxt_pUB</td>
</tr>
<tr>
<td>1300</td>
<td>Wind sens. 1: Not config, Wind sens. 2: Not config, Wind direc. sens.: No sig, Wind direc. sens.: Overload, Wind direc. sens.: Not config</td>
</tr>
<tr>
<td>1310</td>
<td>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, Sensor error</td>
</tr>
<tr>
<td>1315</td>
<td>&quot;Percipitation sensor error, &quot;Out. sens. box, soft. vers. incomp, &quot;Sensor error, &quot;Compact sens.: Not conn, &quot;Compact sens.: Not config</td>
</tr>
<tr>
<td>1320</td>
<td>Building controller debug major error, Major alarm input error, Error Building controller extension, Building control. ext., soft. vers. incomp, Time lost error</td>
</tr>
<tr>
<td>1325</td>
<td>&quot;no requests from master module, &quot;Major error, &quot;Sun sens. 1: Not conn, &quot;Sun sens. 2: Not conn, &quot;Sun sens. 3: Not conn,</td>
</tr>
<tr>
<td>1330</td>
<td>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,</td>
</tr>
<tr>
<td>1335</td>
<td>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,</td>
</tr>
<tr>
<td>1340</td>
<td>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</td>
</tr>
<tr>
<td>1345</td>
<td>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,</td>
</tr>
<tr>
<td>1350</td>
<td>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,</td>
</tr>
<tr>
<td>1355</td>
<td>&quot;Suns sens. 9: Short circ, &quot;Suns sens. 10: Short circ, &quot;Suns sens. 11: Short circ, &quot;Suns sens. 12: Short circ, &quot;Suns sens. 9: Not config,</td>
</tr>
</tbody>
</table>
### APPENDIX 4

#### Error list

<table>
<thead>
<tr>
<th>Code</th>
<th>Errors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1360</td>
<td>“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.”,</td>
</tr>
<tr>
<td>1365</td>
<td>“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.”,</td>
</tr>
<tr>
<td>1370</td>
<td>“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.”,</td>
</tr>
<tr>
<td>1375</td>
<td>“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”,</td>
</tr>
<tr>
<td>1380</td>
<td>“DCF Insufficient sig. level”, “DCF No sig. available”, “DCF No complete info yet”, “DCF No DCF info”,</td>
</tr>
</tbody>
</table>