



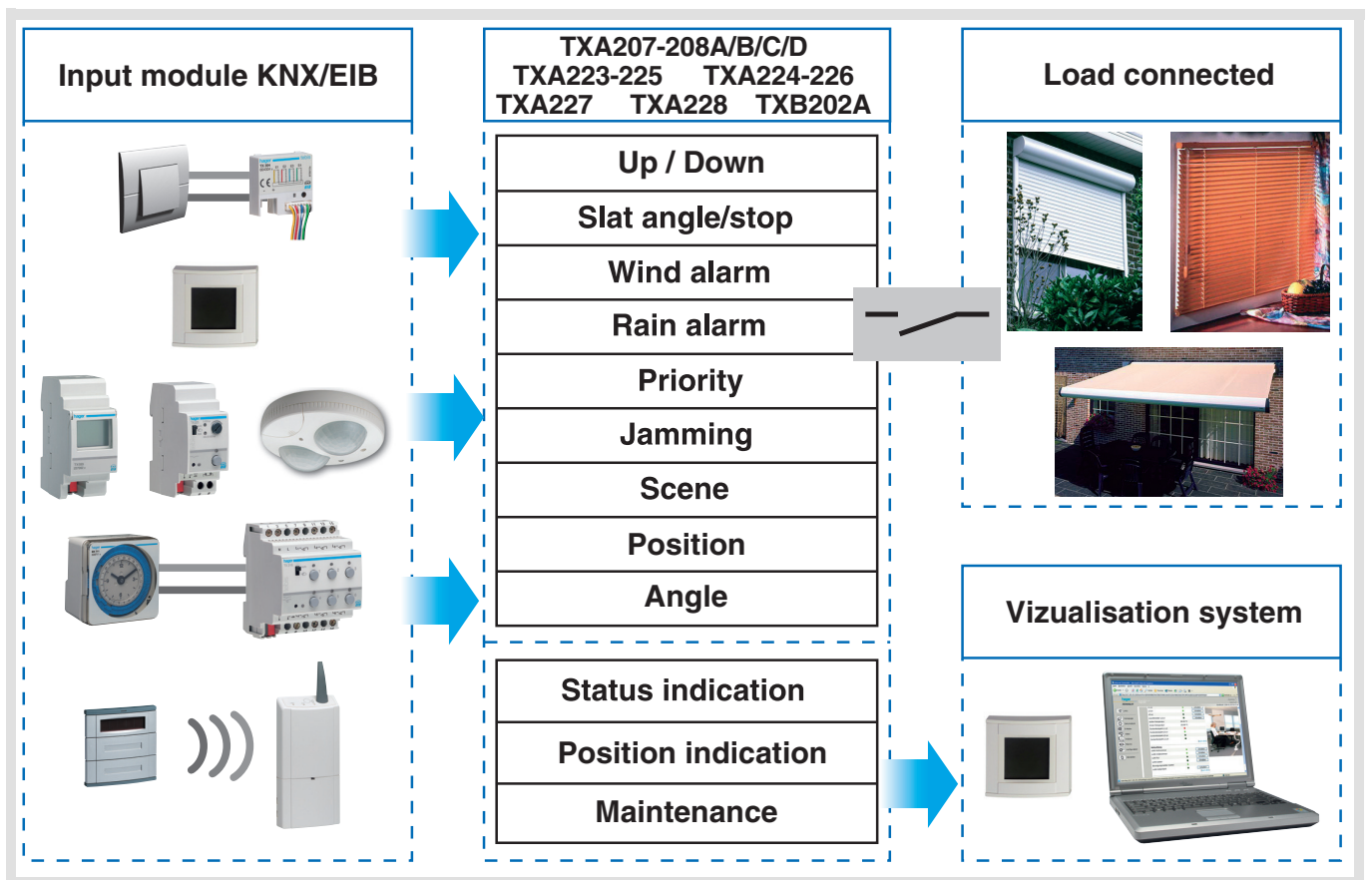
Tebis application software

ETS 3

- Catalog
 - Outputs
 - 1 output
 - 10 outputs
 - 2 outputs
 - 4 outputs
 - 6 outputs
 - 8 outputs
 - Blinds and shutters
 - Blinds and shutters

- TL207A V 3.x Lighting and Shutters / Blinds
- TL208A V 3.x Lighting and Shutters / Blinds
- TL223B V 3.x Shutters
- TL225B V 3.x Shutters
- TL224B V 3.x Shutters / Blinds
- TL226B V 3.x Shutters / Blinds
- TL227B V 3.x Shutters
- TL228B V 3.x Shutters / Blinds
- TL202A V 3.x Lighting, Shutters / Blinds and ventilation Functions Shutters / Blinds

	Product reference	Product designation
 	TXA 207A/B/C/D TXA 208A/B/C/D TXA223-225 TXA224-226 TXA227 TXA228 TXB202A	Output module 10-fold 4/10/16A 230V~/ 16 A capacitive loads Output module 8-fold 4/10/16A 230V~/ 16 A capacitive loads with local command separated from bus Output module 4-fold for shutters 230 V ~ / 24 V DC Output module 4-fold for shutters or blinds 230 V ~ / 24 V DC Output module 8-fold for shutters 230 V ~ with local command separated from bus Output module 8-fold for shutters / blinds 230 V ~ with local command separated from bus Output module 2-fold 4A 230V~, flush mounted



Summary

1. Presentation of the Shutter/Blind functions of the TL207A/208A-TL223B/225B-TL224B/226B-TL227B/228B-TL202A applications	3
2. Configuration and parameterising of the Shutter/Blind functions.....	5
2.1 General parameters.....	5
2.2 Objects List.....	6
2.3 Function descriptions.....	6
3. Main characteristics	18
4. Physical addressing	19

1. Presentation of the Shutter/Blind functions of the TL207A/208A-TL223B/225B-TL224B/226B-TL227B/228B-TL202A applications

The TL207A-TL208A -TL223B-TL225B-TL224B-TL226B-TL227B-TL228B-TL202A application softwares allow each output to be individually configured for Shutter/Blind applications.

The main functions are the following:

■ Up/Down

The Up/Down Function allows moving up or down a shutter, a blind with inclinable slats, an awning, a Venetian blind, etc. This function also allows opening and closing electric curtains.

The command may come from pushbuttons (long hold-down), switches or automatic controls.

■ Slat angle/Stop - concerned references: TXA207-208-224-226-228-TXB202 (shutters-blinds function)

The Slat angle/Stop function allows inclining the slats of a blind or stopping its current movement. This function allows modifying the occultation or the direction of the light beams coming from outside.

The command comes from pushbuttons: Press briefly the Up/Down pushbutton.

■ Stop - concerned references: TXA223-225-227 (shutters function)

The Stop function allows stopping the current shutter movement. The command comes from pushbuttons: Press briefly the Up/Down pushbutton.

■ Position

The Position in % function allows putting a shutter or a blind in a desired position expressed in % of closure.

■ Slat angle *

The Slat angle function allows inclining the slats of a blind into a desired position expressed in degrees (0° to 180°).

■ Wind alarm and rain alarm

The Alarm functions allow putting a shutter or a blind in a parameterisable predefined status.

These functions have the highest priority. No other command is taken into consideration if an Alarm is active. Only the end of the alarm enables again the other commands.

■ Priority

The Priority function allows forcing a shutter or a blind into a predefined position.

This command has priority, but at a lower level than the alarms. No other command is taken into account if a priority is active. Only end of priority or alarm commands will be taken into consideration.

■ Jamming

The Jamming function allows locking a shutter or a blind in its current position.

■ Scene

The Scene function groups a set of outputs. These outputs can be set to an adjustable predefined status.

Pressing a single pushbutton activates a scene.

Each output may be integrated into 32 different scenes.

■ Status Indication

The Status indication function allows sending on the bus:

- status indication (1 byte): indicates the current operating mode of the output (Alarm, Priority, Jamming, Normal).
- position indication in %: indicates the position of the shutter or blind.
- slat angle indication in °: indicates the position of the shutter or blind.**
- status indication (1Bit): indicates the last movement, up or down, of the shutter or blind.

→ Description of the Status indication object (1 byte)

0	0	0	M	M	M	P	P
---	---	---	---	---	---	---	---

P: Position	00 (0): intermediate 01 (1): upper 10 (2): lower
M: Mode	000 (0): normal mode 001 (1): Priority mode 010 (2): wind alarm mode 011 (3): rain alarm mode 100 (4): jamming mode

→ Description of the Status indication object (1 bit)

0: last up movement 1: last down movement
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■ Manual mode

The Manual mode is used to isolate the product from the bus. In this mode, it is possible to override manually each output.

*except references TXA223-TXA225-TXA227

**except references TXA 223-225-227

2. Configuration and parameterising of the Shutter/Blind functions

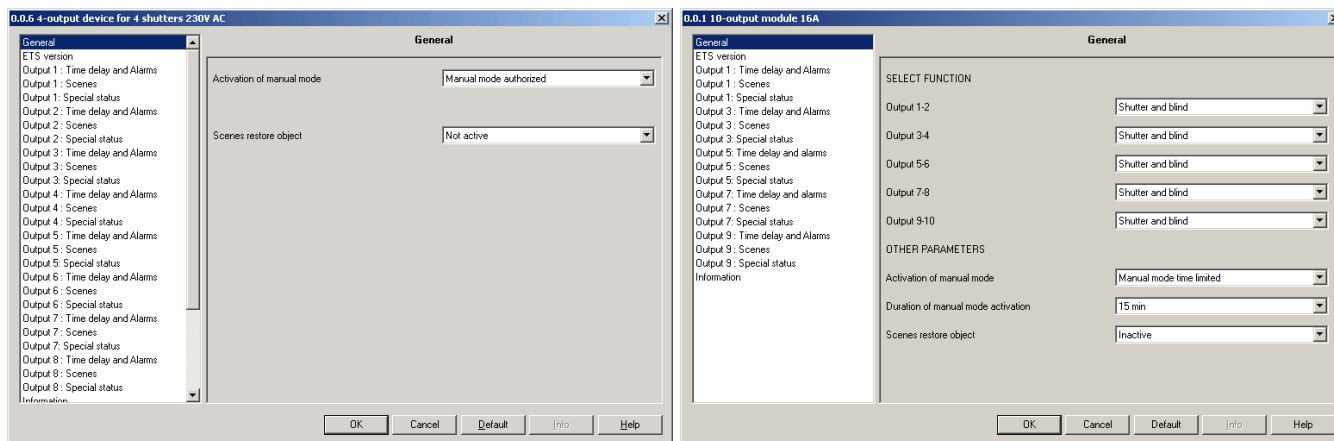
2.1 General parameters

■ ETS version selection

This parameter allows the presentation of the parameters to be optimised according to the ETS version used. Go to the ETS Version screen and select the required version: ETS2 or ETS3. Default value: ETS3.

■ Function selection

Go to the General screen and select Shutter/Blind for all outputs. The output default setting is Lighting.



ref. TXA223-225-224-226-227-228

Screen 1

ref. TXA207-208

■ Other parameters

→ Parameters

Designation	Description	Values
Activation of manual mode*	This parameter enables or disables the 2 position switch located on the front side of the product. This switch allows selecting the Manual mode or the Auto mode. In Manual mode, the outputs may be controlled using the pushbuttons on the front side of the product. Push buttons 1/3/5/7/9:*** Up Push buttons 2/4/6/8/10:*** Down In Auto mode, the outputs are controlled by the instructions coming from the bus.	Manual mode authorized, Manual mode inhibited, Manual mode time limited. - Manual mode authorized: the manual mode can be activated at any time. - Manual mode inhibited: the switch is permanently disabled. Switching to manual mode is impossible. - Manual mode time limited: the manual mode can be activated for a limited duration. Default value: Manual mode authorized.
Duration of manual mode activation**	This parameters defines the duration of activation of the manual mode.	15, 30, 60 min. Default value: 15 min.
Scene restore object (see also Scene function)****	If the value is Authorized, the values associated to the scenes at the last download are restored upon reception of this object.	Not active, Active. Default value: Not active.

* When the position of the switch is not in line with the status of the product, the indicators associated with the outputs light up sequentially.

** This parameter only is visible if the Manual mode activation parameter has the value: Manual mode time limited.

*** Concerns only references TXA207 and TXA208.

**** Only the Scenes restoration object is available for the reference TXB202A.

→ Description of the Manual mode

<p>references TXA207-208</p> <p>The pushbuttons on the front side of the product are coupled as follows: 1-2, 3-4, 5-6, 7-8 and 9-10:</p> <ul style="list-style-type: none"> - Push buttons 1/3/5/7/9: Up - Push buttons 2/4/6/8/10: Down <p>For safety reasons, simultaneous Up and Down commands are impossible.</p> <p>If an Up command is active, pressing the Down pushbutton opens the Up contact and closes the Down contact.</p> <p>If a Down command is active, pressing the Up pushbutton opens the Down contact and closes the Up contact.</p> <p>When the product is delivered, before any configuration, the product operates as indicated here above in manual mode.</p>	<p>references TXA223-225-224-226-227-228</p> <p>In Manual mode, the shutters may be controlled using the corresponding pushbuttons on the front side of the product. At switching-over in manual mode, the order of the commands is always the same whatever the position of the shutters: 1st pressure: Down (whatever the output status).</p> <p>Next pressures:</p> <ul style="list-style-type: none"> • If the output is moving: Stop the current action. • If the output is stopped: <ul style="list-style-type: none"> - Up if the previous movement was down. - Down if the previous movement was up.
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2.2 Objects List

Number	Name	Object Function	Length	C	R	W	T	U	Priority	Number	Name	Object Function	Length	C	R	W	T	U	Priority
00	Output 1	UP / DOWN	1 bit	C	R	W	-	U	Low	56	Output 1	Status indication (1 byte)	1 Byte	C	R	-	T	U	Low
01	Output 1	Slat angle/Stop	1 bit	C	R	W	-	U	Low	57	Output 1	Position indication in %	1 Byte	C	R	-	T	U	Low
02	Output 1	Priority	2 bit	C	R	W	-	U	Low	58	Output 1	Position indication in °	1 Byte	C	R	-	T	U	Low
03	Output 1	Wind alarm	1 bit	C	R	W	-	U	Low	59	Output 1	Status indication (1 bit)	1 bit	C	R	-	T	U	Low
04	Output 1	Rain alarm	1 bit	C	R	W	-	U	Low	66	Output 3	Jamming	1 bit	C	R	W	-	U	Low
05	Output 1	Scene	1 Byte	C	R	W	-	U	Low	68	Output 3	Position	1 Byte	C	R	W	-	U	Low
10	Output 3	UP / DOWN	1 bit	C	R	W	-	U	Low	69	Output 3	Slat angle	1 Byte	C	R	W	-	U	Low
11	Output 3	Slat angle/Stop	1 bit	C	R	W	-	U	Low	70	Output 3	Status indication (1 byte)	1 Byte	C	R	-	T	U	Low
12	Output 3	Priority	2 bit	C	R	W	-	U	Low	71	Output 3	Position indication in %	1 Byte	C	R	-	T	U	Low
13	Output 3	Wind alarm	1 bit	C	R	W	-	U	Low	72	Output 3	Position indication in °	1 Byte	C	R	-	T	U	Low
14	Output 3	Rain alarm	1 bit	C	R	W	-	U	Low	73	Output 3	Status indication (1 bit)	1 bit	C	R	-	T	U	Low
15	Output 3	Scene	1 Byte	C	R	W	-	U	Low	80	Output 5	Jamming	1 bit	C	R	W	-	U	Low
20	Output 5	UP / DOWN	1 bit	C	R	W	-	U	Low	82	Output 5	Position	1 Byte	C	R	W	-	U	Low
21	Output 5	Slat angle/Stop	1 bit	C	R	W	-	U	Low	83	Output 5	Slat angle	1 Byte	C	R	W	-	U	Low
22	Output 5	Priority	2 bit	C	R	W	-	U	Low	84	Output 5	Status indication (1 byte)	1 Byte	C	R	-	T	U	Low
23	Output 5	Wind alarm	1 bit	C	R	W	-	U	Low	85	Output 5	Position indication in %	1 Byte	C	R	-	T	U	Low
24	Output 5	Rain alarm	1 bit	C	R	W	-	U	Low	86	Output 5	Position indication in °	1 Byte	C	R	-	T	U	Low
25	Output 5	Scene	1 Byte	C	R	W	-	U	Low	87	Output 5	Status indication (1 bit)	1 bit	C	R	-	T	U	Low
30	Output 7	UP / DOWN	1 bit	C	R	W	-	U	Low	94	Output 7	Jamming	1 bit	C	R	W	-	U	Low
31	Output 7	Slat angle/Stop	1 bit	C	R	W	-	U	Low	96	Output 7	Position	1 Byte	C	R	W	-	U	Low
32	Output 7	Priority	2 bit	C	R	W	-	U	Low	97	Output 7	Slat angle	1 Byte	C	R	W	-	U	Low
33	Output 7	Wind alarm	1 bit	C	R	W	-	U	Low	98	Output 7	Status indication (1 byte)	1 Byte	C	R	-	T	U	Low
34	Output 7	Rain alarm	1 bit	C	R	W	-	U	Low	99	Output 7	Position indication in %	1 Byte	C	R	-	T	U	Low
35	Output 7	Scene	1 Byte	C	R	W	-	U	Low	100	Output 7	Position indication in °	1 Byte	C	R	-	T	U	Low
40	Output 9	UP / DOWN	1 bit	C	R	W	-	U	Low	101	Output 7	Status indication (1 bit)	1 bit	C	R	-	T	U	Low
41	Output 9	Slat angle/Stop	1 bit	C	R	W	-	U	Low	108	Output 9	Jamming	1 bit	C	R	W	-	U	Low
42	Output 9	Priority	2 bit	C	R	W	-	U	Low	110	Output 9	Position	1 Byte	C	R	W	-	U	Low
43	Output 9	Wind alarm	1 bit	C	R	W	-	U	Low	111	Output 9	Slat angle	1 Byte	C	R	W	-	U	Low
44	Output 9	Rain alarm	1 bit	C	R	W	-	U	Low	112	Output 9	Status indication (1 byte)	1 Byte	C	R	-	T	U	Low
45	Output 9	Scene	1 Byte	C	R	W	-	U	Low	113	Output 9	Position indication in %	1 Byte	C	R	-	T	U	Low
52	Output 1	Jamming	1 bit	C	R	W	-	U	Low	114	Output 9	Position indication in °	1 Byte	C	R	-	T	U	Low
54	Output 1	Position	1 Byte	C	R	W	-	U	Low	115	Output 9	Status indication (1 bit)	1 bit	C	R	-	T	U	Low
55	Output 1	Slat angle	1 Byte	C	R	W	-	U	Low	123	All outputs	Maintenance	2 Byte	C	R	-	T	U	Low

2.3 Function descriptions

■ Closure type function

Designation	Description	Values
Closing type *	This parameter allows selecting a Shutter or Shutter and Blind type operation. A Shutter and Blind type operation gives access to additional parameters to control the slat angle. When the closure type is Shutter, the Slat angle object is not visible.	Shutter, Shutter and blind. Default value: Shutter and blind.

* except references TXA 223-225-227

■ Up/Down and Status indication functions

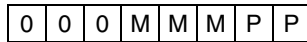
The Up/Down Function allows moving up or down a shutter, a blind with inclinable slats, an awning, a Venetian blind, etc. This function also allows opening and closing electric curtains. This function is started by the Up/Down object.

The Status indication function allows sending on the bus:

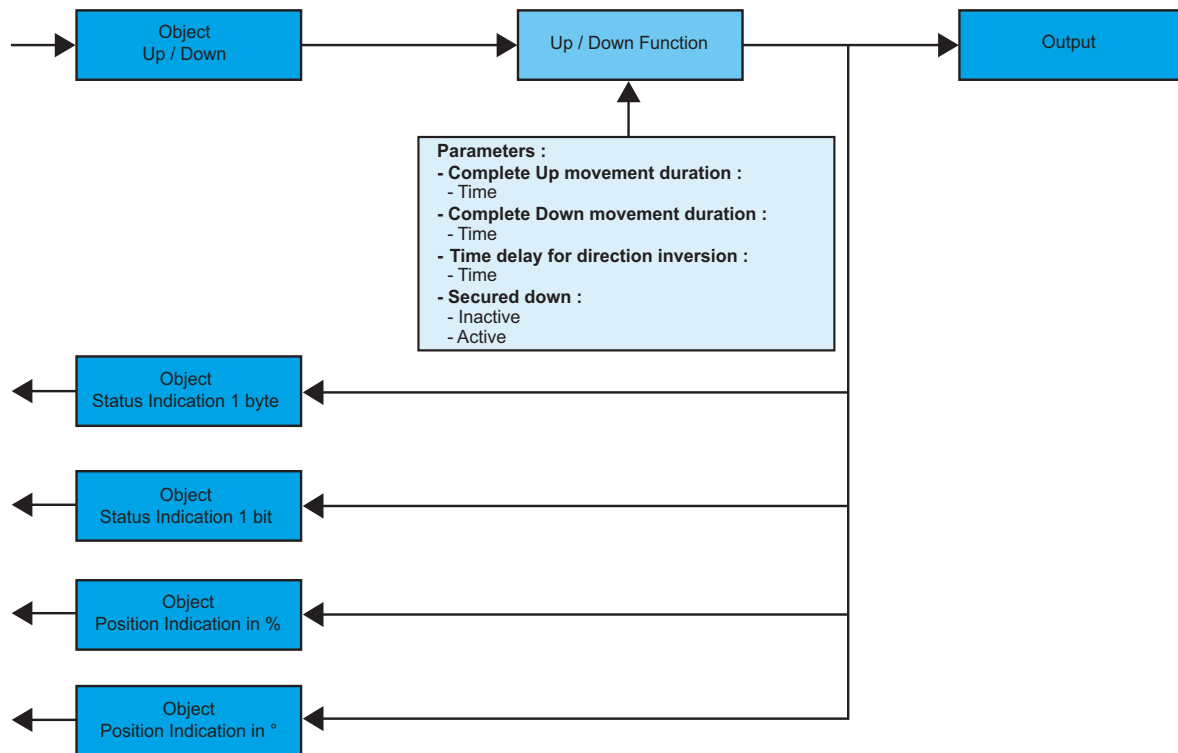
- status indication (1 byte): indicates the current operating mode of the output (Alarm, Priority, Jamming, Normal).
- position indication in %: indicates the position of the shutter or blind.
- slat angle indication in °: indicates the position of the shutter or blind.*
- status indication (1Bit): indicates the last movement, up or down, of the shutter or blind.

*except references TXA 223-225-227

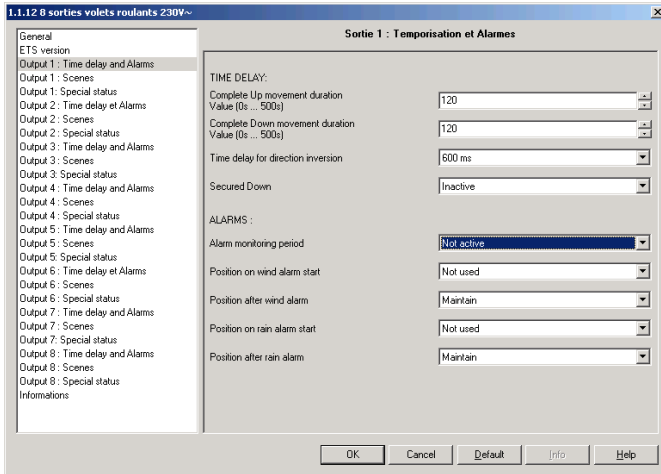
→ Description of the Status indication object (1 byte):



P: Output position	00 = Intermediate position 01 = Upper position 10 = Lower position
M: Output mode	000 = Normal 001 = Priority 010 = Wind alarm 011 = Rain alarm 100 = Jamming

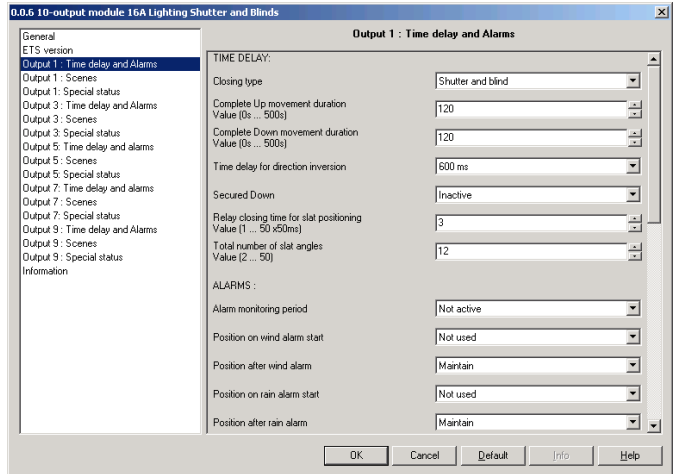


→ Parameters



ref. TXA223-225-227

Screen 2

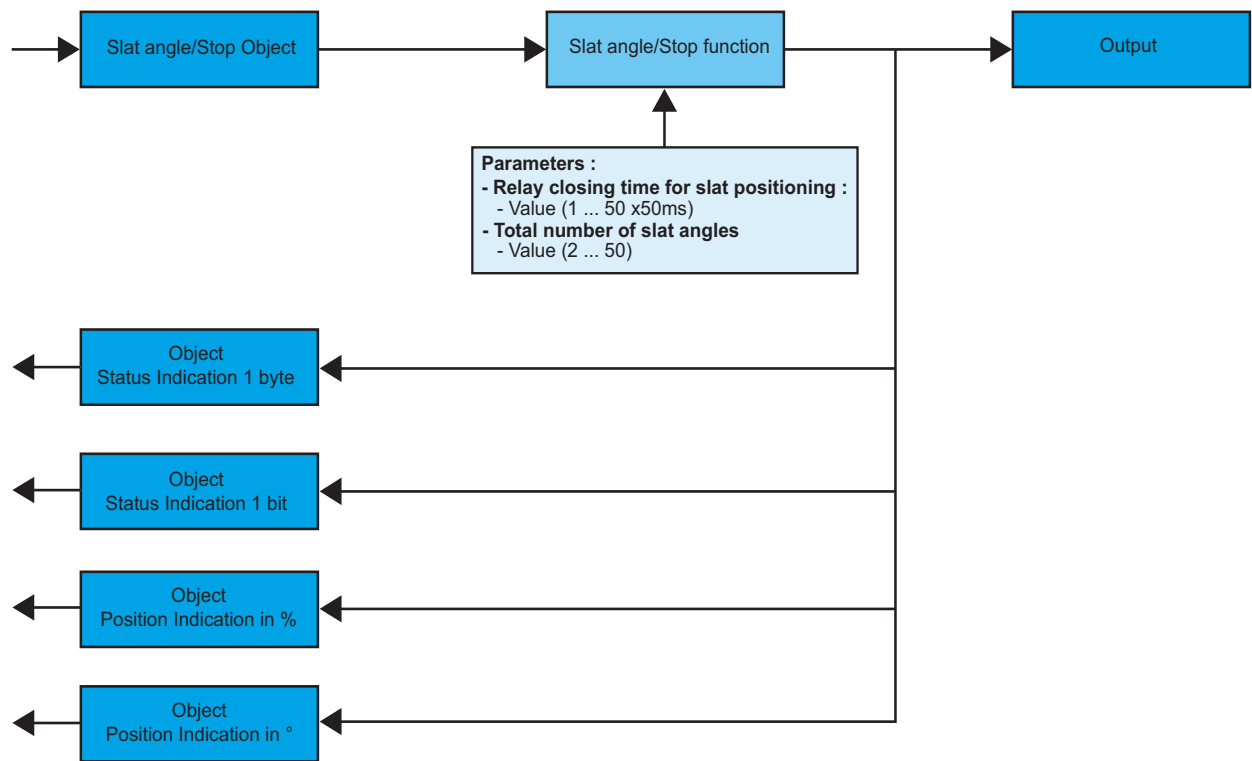


ref. TXA207-208-224-226-228

Designation	Description	Values
Complete Up movement duration	This parameter defines the closing time of the contact for a complete Up movement.	0 to 500 s in 1 s steps Default value: 120 s.
Complete Down movement duration	This parameter defines the closing time of the contact for a complete Down movement.	0 to 500 s in 1 s steps Default value: 120 s.
Time delay for direction inversion	This parameter defines the stopping time of the shutter or blind before reversing the direction of rotation: the 2 output contacts are open.	600 ms, 1 s, 2 s, 3 s Default value: 600 ms.
Security down	This procedure allows controlling a down movement as long as a pushbutton is pressed down.	Inactive, Active. Default value: Inactive.

■ Slat angle/Stop function - concerned references references TXA207-208-224-226-228-TXB202 (shutters-blinds function).

The Slat angle/Stop function allows inclining the slats of a blind or stopping its current movement. This function allows modifying the occultation or the direction of the light beams coming from outside. This function is started by the Slat angle/Stop object. The desired angle is reached by means of successive command pulses. Parameterising consists in programming the duration of a command pulse and the number of pulses to go from an angle of 0° to an angle of 180°.



→ Parameter Setting screen: See "Screen 2".

→ Parameters

Designation	Description	Values
Relay closing time for slat angle	This parameter allows defining the closing time of the contacts to carry out one slat step: 50 ms x multiplier.	1 - 50 Default value: 3.
Total number of slat angles*	This parameter defines the total number of slat steps to go from the position inclined downwards to the position inclined upwards.	2 - 50 Default value: 12.

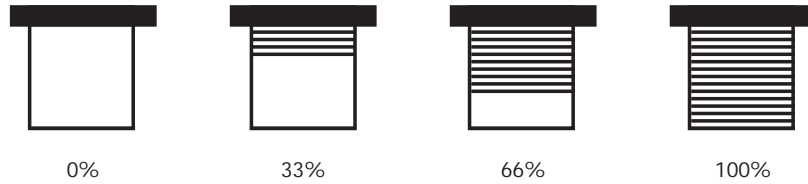
*Before parameterising the Total number of slat angles, it is indispensable to define the contacts closing time to carry out a slat step.

■ **Stop - concerned references: TXA223-225-227 (shutters function)**

The Stop function allows stopping the current shutter movement.
This function is started by the Stop object.

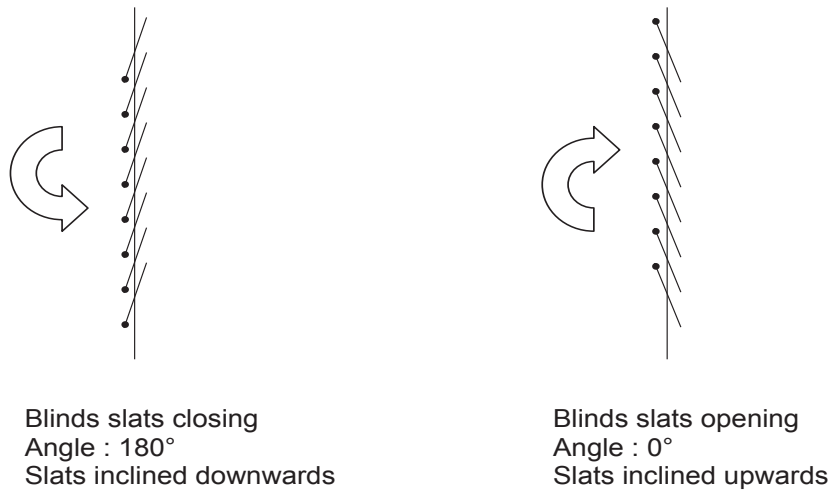
■ **Position function**

The Position function allows putting a shutter or a blind in a desired position expressed in % of closure.
This function is started by the Position object.



■ **Slat angle function ***

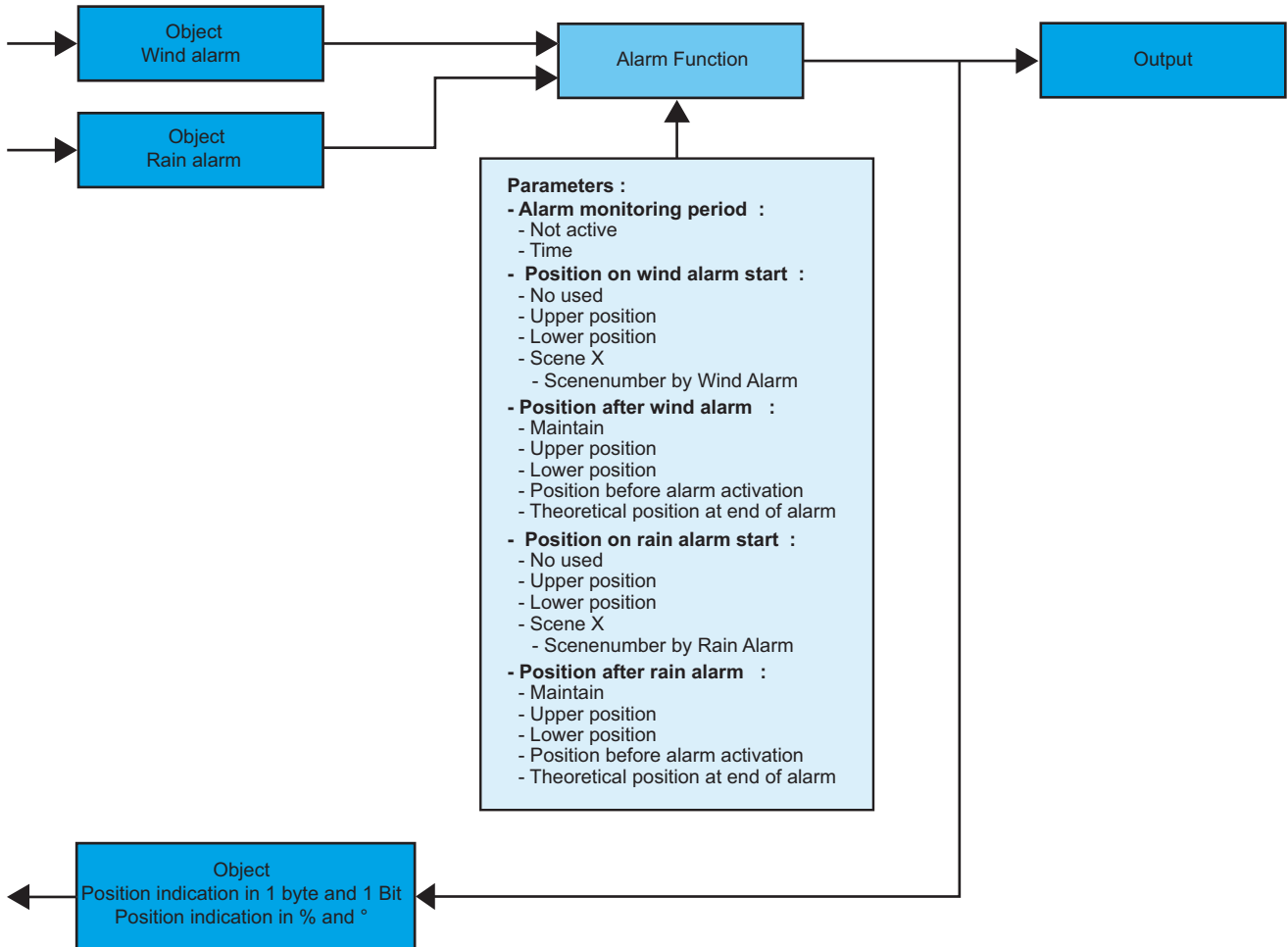
The Slat angle function allows inclining the slats of a blind into a desired position expressed in degrees (0° to 180°).
This function is started by the Slat angle object.



*except references TXA223-225-227

■ Wind Alarm and Rain Alarm functions*

The Alarm functions allow putting a shutter or a blind in a parameterisable predefined status. The wind alarm is started by the Wind Alarm object and the rain alarm is started by the Rain Alarm object. These functions have the highest priority. The wind alarm has a higher priority level than the rain alarm. No other command is taken into consideration if an Alarm is active. Only the end of the alarm enables again the other commands.



*except references TXA223-225-227

→ Parameter Setting screen: See "Screen 2".

→ Parameters

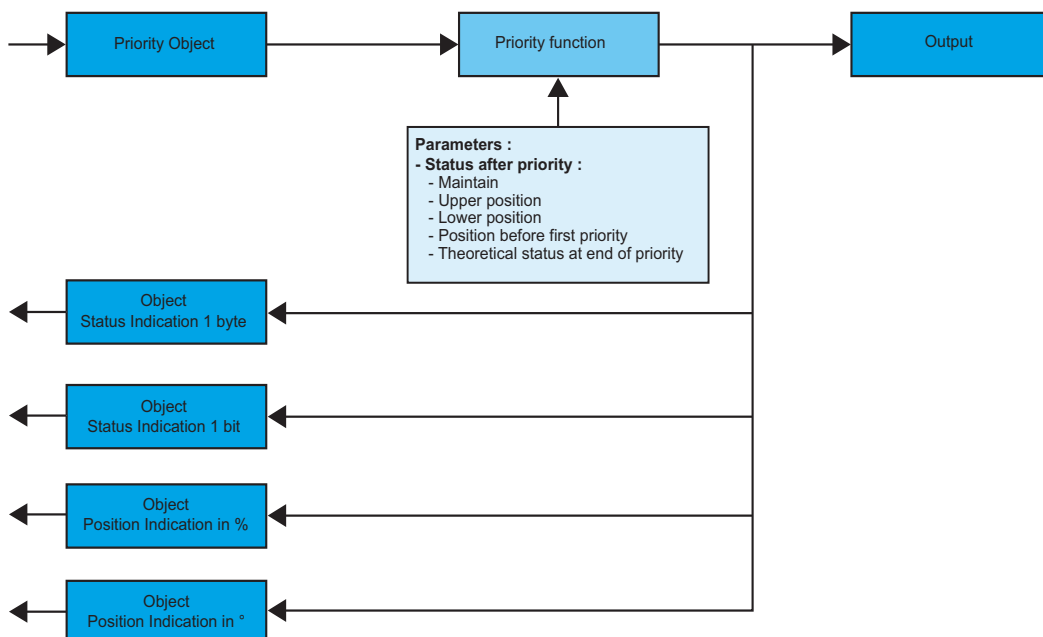
Designation	Description	Values
Alarm monitoring period	This parameter defines the maximum duration between 2 instructions received on the Alarm objects. If no instruction sent by the sensor is received within this duration, the shutters/blinds will be positioned at the position defined by the Position on alarm start parameter.	Not active, 5 s, 30 s, 1 min, 5 min, 10 min, 30 min, 1 h, 2 h, 3 h, 5 h, 24 h. Default value: Not active.
Position on wind alarm start*	This parameter defines the position of the shutter or blind when the Wind alarm function is activated.	Not used, Upper position, Lower position, Scene X. Default value: Not used.
Scene number by wind alarm	This parameter defines the scene to be activated in case of wind alarm.	Scene 1 to 32, Scene maintain position. Default value: Scene 1.
Position after wind alarm	This parameter defines the position of the shutter or blind at the end of the Wind alarm.	Maintain, Upper position, Lower position, Position before alarm activation, Theoretical position at end of alarm. The value Theoretical position at the end of alarm sets the shutter or blind to the position it would have been at if no alarm had appeared. Default value: Maintain.
Position on rain alarm start**	This parameter defines the position of the shutter or blind when the Rain alarm function is activated.	Not used, Upper position, Lower position, Scene X Default value: Not used.
Scene number by rain alarm	This parameter defines the scene to be activated in case of rain alarm.	Scene 1 to 32, Scene maintain position. Default value: Scene 1.
Position after rain alarm	This parameter defines the position of the shutter or blind at the end of the Rain alarm.	Maintain, Upper position, Lower position, Position before alarm activation, Theoretical position at end of alarm. The value Theoretical position at the end of alarm sets the shutter or blind to the position it would have been at if no alarm had appeared. Default value: Maintain.

* This parameter only is visible if the parameter Position by wind alarm has the value: Scene X

** This parameter only is visible if the parameter Position by rain alarm has the value: Scene X

■ Priority function

The Priority function allows forcing a shutter or a blind into a predefined position. This function is started by the Priority object. This command has priority, but at a lower level than the alarms. No other command is taken into account if a priority is active. Only end of priority or alarm commands will be taken into consideration.



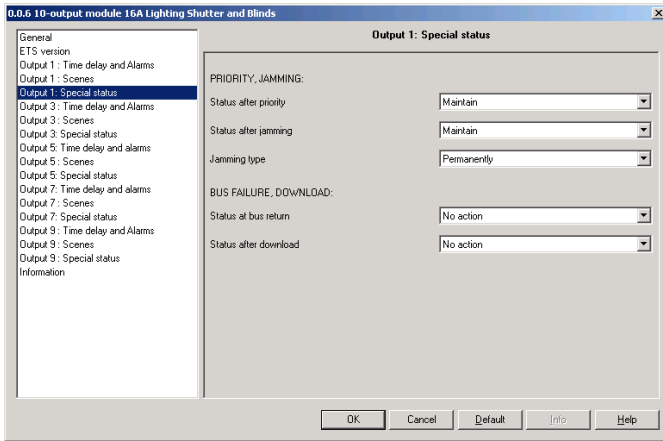
→ Description of the Priority object.

Bit 1	Bit 0
Output behaviour	

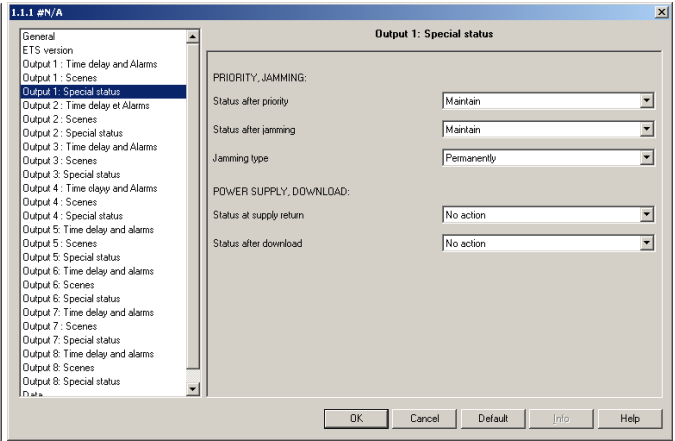
Output behaviour	00 = Priority-end 01 = Priority-end 10 = Priority OFF 11 = Priority ON
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Priority OFF = Up, Priority ON = Down.

→ Parameters



ref. TXA207-223-224-225-226



Screen 3

ref. TXA208-227-228

Designation	Description	Values
Status after priority	This parameter defines the position of the shutter or blind at the end of the Priority.	<p>Maintain, Upper position, Lower position, Position before first priority, Theoretical position at end of priority.</p> <ul style="list-style-type: none"> - Maintain: This value maintains the position active during Priority. - Upper position: This value moves the shutter or blind up. - Lower position: This value moves the shutter or blind down. - Position before first priority: This value sets the shutter or blind to the position it had before the Priority. - Theoretical position at end of priority: This value sets the shutter or blind to the position it would have been at if no Priority had taken place. <p>Default value: Maintain.</p>

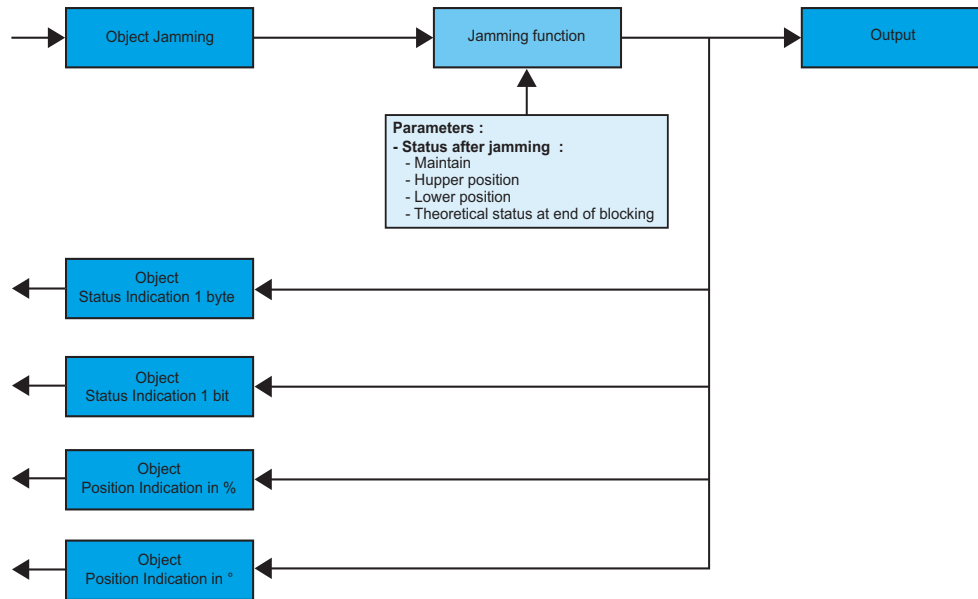
■ Jamming function

The Jamming function allows locking a shutter or a blind in its current position.

This function is started by the Jamming object.

This function has a lower priority level than the Alarms and the Priorities.

A Jamming end command ends the jamming and allows again taking the commands from the bus into consideration. The triggering of an alarm or a priority command ends the jamming.



→ Parameter Setting screen: See "Screen 3".

→ Parameters

Designation	Description	Values
Status after jamming	This parameter defines the position of the shutter or blind at the end of the Jamming.	Maintain, Upper position, Lower position, Theoretical status at end of blocking. - Maintain: This value maintains the position active during Jamming. - Upper position: This value moves the shutter or blind up. - Lower position: This value moves the shutter or blind down. - Theoretical status at end of blocking: This value sets the shutter or blind to the position it would have been at if no Jamming had taken place. Default value: Maintain.
Jamming type	This parameter defines whether Jamming is permanent or time-limited.	Permanently, Time limited. Default value: Permanently.
Jamming duration*	This parameter defines the Jamming duration.	Not active, 0 s, 1 s, 2 s, 3 s, 5 s, 10 s, 15 s, 20 s, 30 s, 40 s, 45 s, 50 s, 1 min, 1 min 15 s, 1 min 30 s, 2 min, 2 min 30 s, 3 min, 4 min, 5 min, 6 min, 7 min, 8 min, 9 min, 10 min, 11 min, 12 min, 13 min, 14 min, 15 min, 20 min, 30 min, 40 min, 50 min, 1 h, 1 h 30 min, 2 h, 2 h 30 min, 3 h, 3 h 30 min, 4 h, 5 h, 6 h, 12 h, 24 h. Default value: 1 h.

* This parameter is only visible when the Jamming type parameter has the value: Time limited.

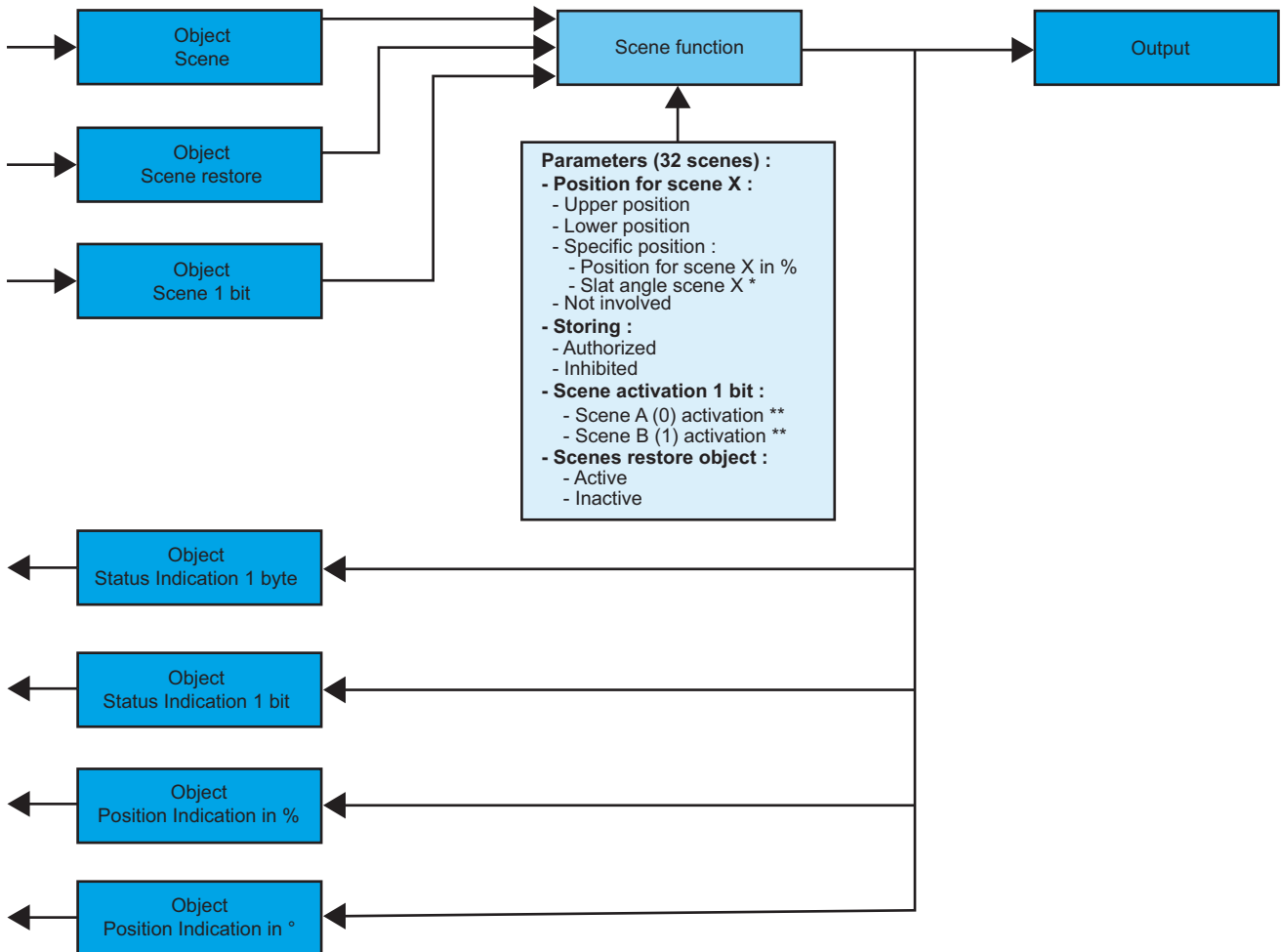
■ Scene function

A scene is used to control a group of outputs. Each of the outputs in the group will be set to a status pre-defined for the scene. A scene is started by the Scene object.

The group of outputs is created beforehand by establishing the link between the outputs that must belong to the scene and the pushbutton that will trigger the scene. Each output may be integrated into 32 different scenes.

The status of each output may be defined by parameterising, by learning in the room using the pushbuttons of the installation or on the product.

A. Configuration and storing by parameterisation



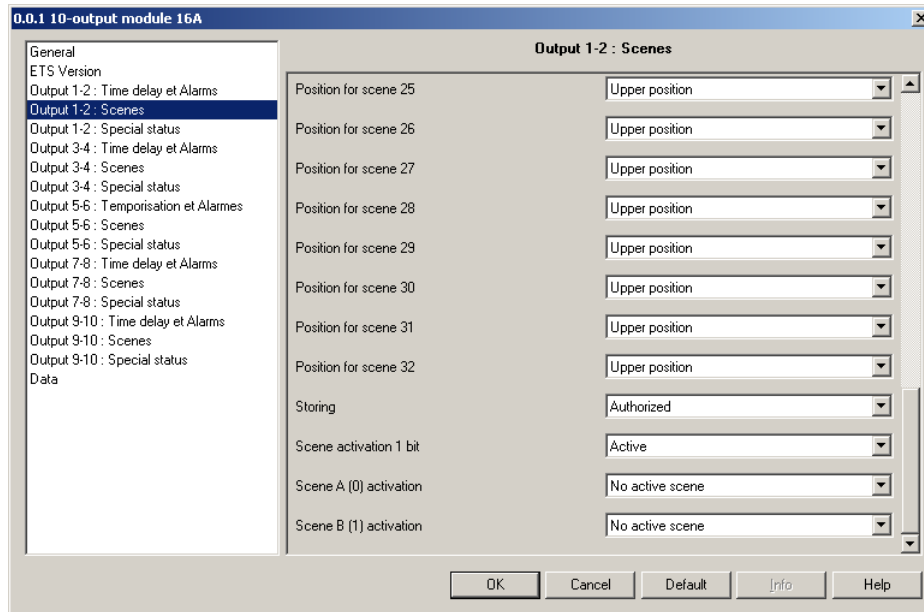
* except references TXA227,223 et 225

** These parameters only are visible if the Scene activation 1 bit parameter has the value: Active

→ Description of the Scene object (1 byte)

7	6	5	4	3	2	1	0
Learn	X	Scene number					

→ Parameters



Screen 4

Designation	Description	Values
Position for scene X	This parameter defines the position of the shutter or blind associated with scene X.	Upper position, Lower position, Specific position, Not involved. Note: if the value of the parameter is Not involved, the scene will not influence this output. Default value: Upper position.
Position for scene X in %	When the parameter Position for scene X has the value Specific position, this parameter defines the position of the shutter or blind as a closure percentage.	0 ... 100 % Default value: 5%.
Slat angle scene X**	When the parameter Position for scene X has the value Specific position and the parameter Closure type has the value Shutter and blind, this parameter defines the angle of the slats of the blind.	0 ... 180° Default value: 0°.
Storing	This parameter authorizes or forbids scene storing.	Authorized, Inhibited. Default value: Authorized.
Scene activation 1 bit	This parameter allows 2 of the 32 possible scenes to be activated, with the help of the 1-bit scene object.	Inactive, Active. Default value: Inactive.
Scene A (0) activation / Scene B (1) activation*	When the parameter Scene activation 1 bit has the value Active, the parameters Scene activation A and Scene activation B must be set. These parameters define the scenes to be activated for the two values of the Scene 1 bit object.	No active scene, Scene 1 to Scene 32. Default value: No active scene.

* These parameters only are visible if the Scene activation 1 bit parameter has the value: Active.

** except references TXA 227, 223 et 225.

Note: a Scenes restore object, parameterised in the general screen, allows the values linked with the outputs to be restored at the last download (see paragraph "General parameters").

B. Learning and storing in the room

This procedure modifies and stores a scene by local action on the pushbuttons located in the room.

- Activate the scene by pressing briefly on the room pushbutton that triggers the scene.
- Set the outputs to the desired status using the pushbuttons that control them individually.
- Store the output statuses by pressing the room pushbutton that triggers the scene for longer than 5 s. The storage is indicated by an alternate movement of 6 s of the shutters and blinds controlled by the outputs involved.

C. Learning and storing on the product

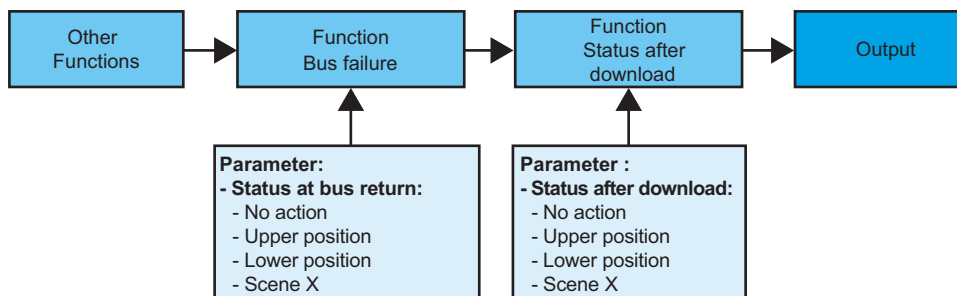
This procedure allows modifying and storing a scene by means of local action on the pushbuttons located on the front side of the products. This procedure also allows an output to be removed from a scene (Not involved).

- Activate the scene by pressing briefly on the room pushbutton that triggers the scene.
- Store the output statuses by pressing the room pushbutton that triggers the scene for longer than 5 s. The switching to the learning mode is indicated by an alternate movement of 6 s of the shutters and blinds controlled by the outputs involved.
- As soon as the indicators associated with the outputs blink slowly, press briefly and repeatedly the pushbuttons linked with the outputs to set the outputs to the desired status. The indicators associated with the outputs show the status chosen:
 - OFF if the value selected for the scene is Low position.
 - Red and continuously ON if the value selected for the scene is High position.
 - Red and quickly blinking if the value selected for the scene is Not involved.
- Store the status selected for this scene pressing for a time longer than 3 sec the pushbutton associated with the output. The storage is indicated by the return of the slow blinking of the indicators associated with the outputs.
- Repeat the previous step for each of the outputs of the scene.

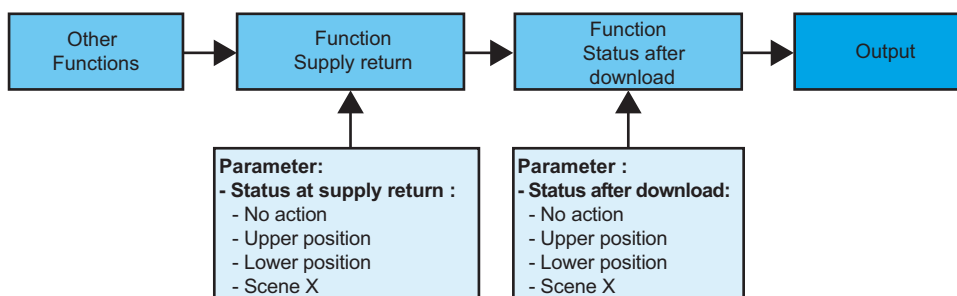
■ **Special statuses**

The parameters grouped in this section allow defining the behaviour of the outputs in some special cases in Auto mode.

- references TXA206-207-223-225-224-226-TXB202A



- references TXA208-227-228



→ Parameter Setting screen: See "Screen 3".

→ Parameters

- references TXA206-207-223-225-224-226-TXB202A

Designation	Description	Values
Status at bus return	This parameter defines the position of the shutter or blind at the bus return.	No action, Upper position, Lower position, Scene X. Default value: No action.
Scene number at bus return.*	This parameter defines the scene to be activated at bus return.	Scene 1 to 32
Status after download	This parameter defines the position of the shutter or blind after a download.	No action, Upper position, Lower position, Scene X. Default value: No action.
Scene number after download.**	This parameter defines the scene to be activated after ETS download.	Scene 1 to 32.

* This parameter only is visible if the parameter "Status at supply return" has the value "Scene X".

** This parameter only is visible if the parameter "Status after download" has the value "Scene X".

- references TXA208-227-228

Designation	Description	Values
Status at supply return	This parameter defines the position of the shutter or blind at supply return.	No action, Upper position, Lower position, Scene X. Default value: No action.
Scene number at supply return.*	This parameter defines the scene to be activated at supply return.	Scene 1 to 32.
Status after download	This parameter defines the position of the shutter or blind after a download.	No action, Upper position, Lower position, Scene X. Default value: No action.
Scene number after download.**	This parameter defines the scene to be activated after ETS download.	Scene 1 to 32.

* This parameter only is visible if the parameter "Status at supply return" has the value "Scene X".

** This parameter only is visible if the parameter "Status after download" has the value "Scene X".

■ Maintenance function

The Maintenance function allows transmitting general data of the product by means of the Maintenance object.

→ Description of maintenance object (2 bytes)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	C
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

C: Operating mode of the product	0: Auto 1: Manual
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3. Main characteristics

Produit	TXA208A/B/C/D	TXA207A/B/C/D	TXA223-225	TXA224-226	TXA227-228	TXB202A
Max. number of group addresses	254	254	254	254	254	254
Max. number of links	255	255	255	255	255	255
Objects	98	122	62	62	122	26
total	15	15	15	15	15	6
per shutter output	1	1	1	1	1	1
for scenes restoration						
for maintenance	1	1	1	1	1	1

4. Physical addressing

To perform physical addressing or to check for bus presence, press the lighted pushbutton located above the label holder on the right of the product.

Indicator on = bus presence and product in physical addressing.

The product remains in physical addressing until the physical address has been transmitted by ETS. Press again to exit physical addressing mode.

Physical addressing may be performed in Auto or Manual (↵) mode.

Flush mounted products reference TXB202A

Press pushbutton S1/Addr briefly (for less than 2 s) to perform physical addressing or to check for bus presence.

Indicator Addr ON = bus presence and product in physical addressing.

The product remains in physical addressing until the physical address has been transmitted by ETS. Press again to exit physical addressing mode.

