

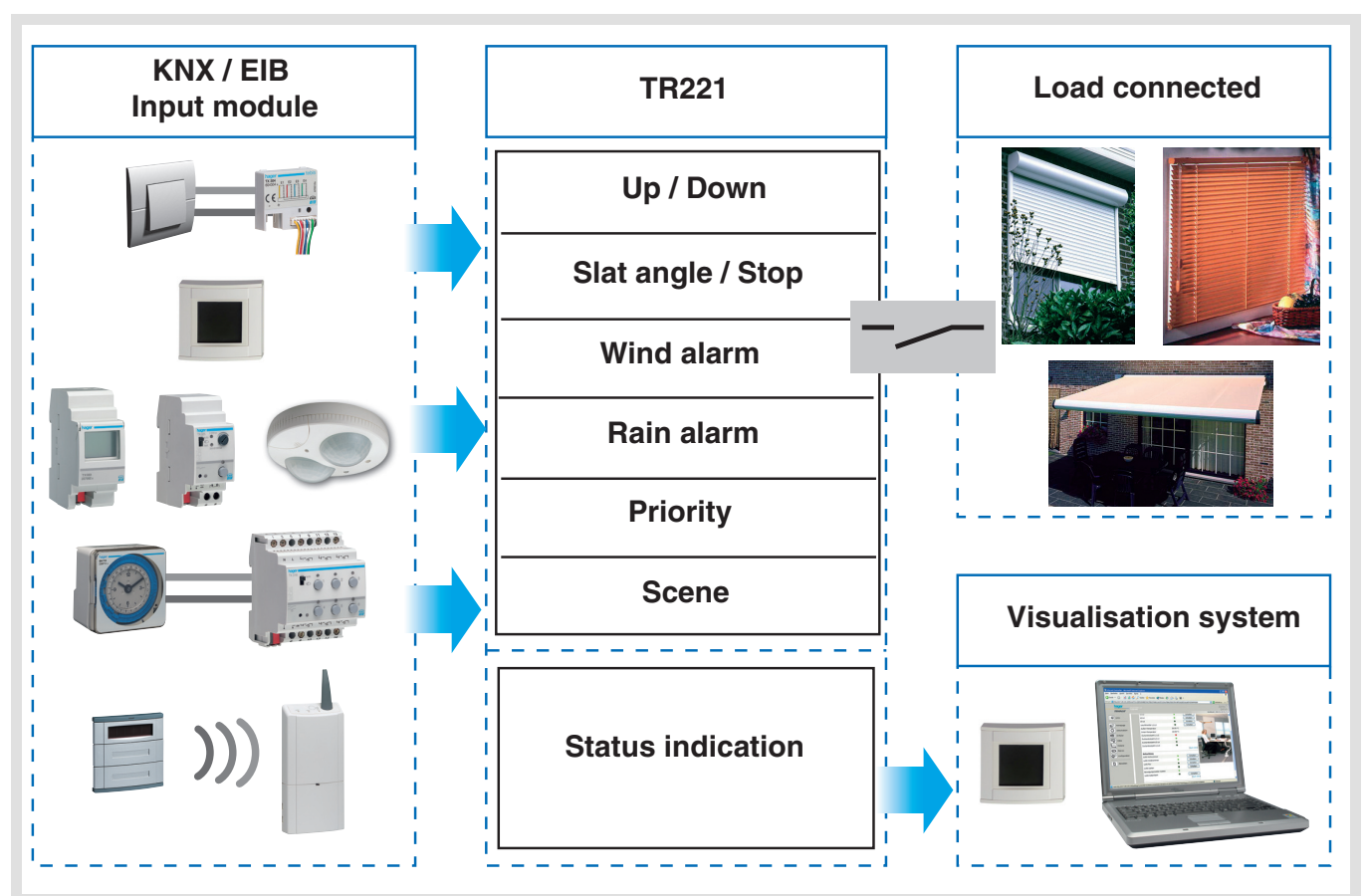


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Tebis application software

Description of the RF shutter / blind output products

	Product reference	Product designation
	TR221	1-output Shutters / blinds embedded RF



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1. Function Description

The 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 switches, pushbuttons or automatic controls.

■ Slat angle / Stop

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 control comes from push buttons: Press briefly the Up / Down push button.

■ Wind alarm and rain alarm

The Alarm functions allow putting a shutter or a blind in a parametrisable 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.

■ Scene

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

Pressing a single push button activates a scene.

Each output may be integrated into 8 different scenes.

■ Status indication

The 1 Bit status indication function is used to send the last movement of the shutter or blind.

2. Configuration and settings

2.1 Objects List

Number	Name	Object Function	Description	Group Addresses	Length	C	R	W	T	U	Data Type	Priority
0	Output 1	Up / Down			1 bit	C	R	W	-	U		Low
1	Output 1	Slat angle / Stop			1 bit	C	R	W	-	U		Low
2	Output 1	Priority			2 bit	C	R	W	-	U		Low
3	Output 1	Alarm 1			1 bit	C	R	W	-	U		Low
4	Output 1	Alarm 2			1 bit	C	R	W	-	U		Low
5	Output 1	Scene			1 Byte	C	R	W	-	U		Low
6	Output 1	Status indication			1 bit	C	R	-	T	U		Low

2.2 Parameter setting

■ Up / Down and status indication

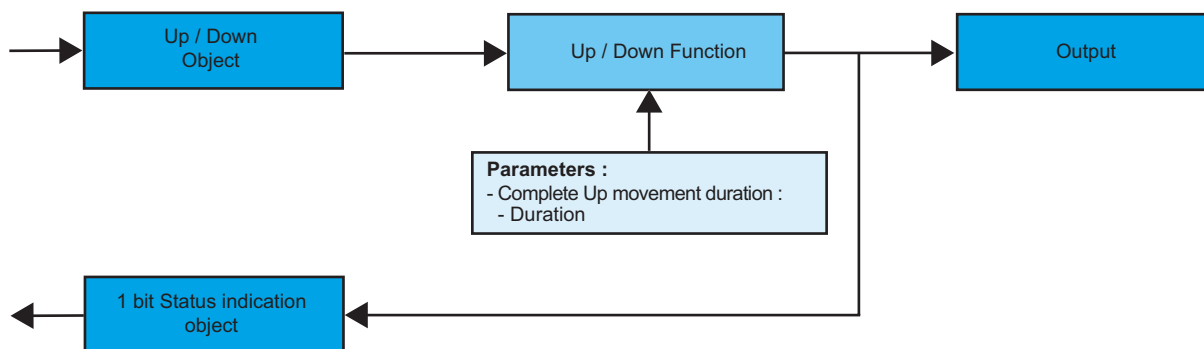
The Up / Down Function allows moving up or down a shutter, a blind with inclinable slats, an awning, a Venetian blind, etc. This function also allows opening and closing electric curtains.

The command may come from switches, pushbuttons or automatic controls.

Description of the **1 Bit status indication** object:

0: last up movement.

1: last down movement.

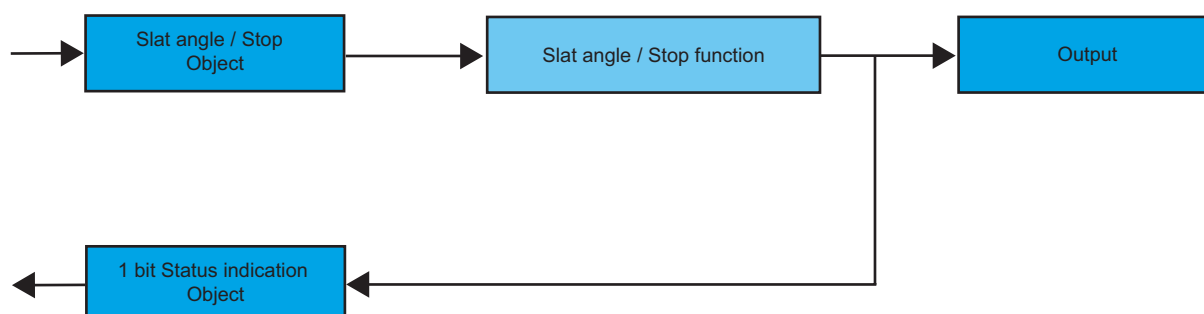


→ Parameters

Designation	Description	Values
Complete Up movement duration	This parameter defines the closing time of the contact for a complete Up movement.	0 - 500 s in 1 s steps. Default value: 120 s.

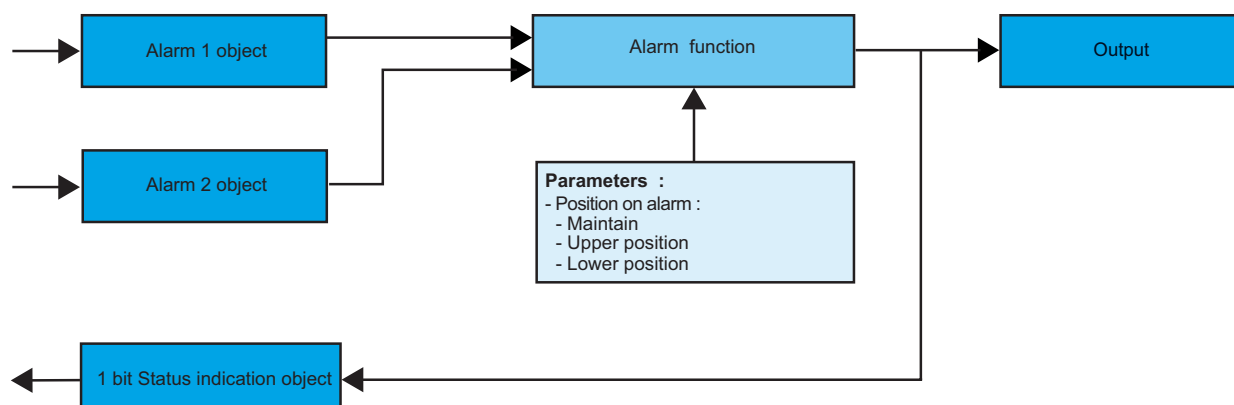
■ Slat angle / Stop function

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 slant angle is obtained by a succession of control pulses. Parametrising 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°.



■ Alarm 1 and Alarm 2 functions

The Alarm functions allow putting a shutter or a blind in a parametrisable predefined status. The wind alarm is triggered by the **Alarm 1 object** and the rain alarm by the **Alarm 2 object**. These functions have the highest priority. Alarm 1 has a higher priority than Alarm 2. No other command is taken into consideration if an Alarm is active. Only the end of the alarm enables again the other commands.

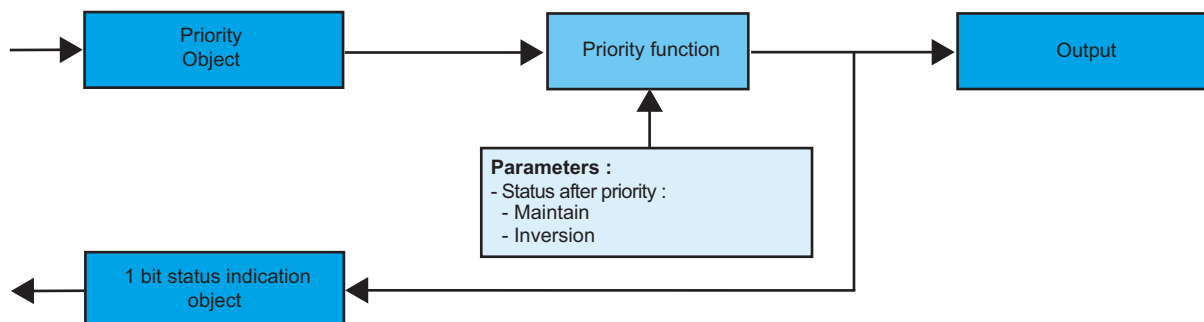


→ Parameters

Designation	Description	Values
Position on alarm	This parameter defines the position of the shutter or blind when the Wind alarm is activated.	Maintain, Upper position, Lower position. Default value: Maintain.

■ 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

Value	Output behaviour
00	Priority end
01	Priority end
10	Priority ON
11	Priority OFF

→ Parameter

Designation	Description	Values
Status after priority	This parameter defines the output status to be applied at the end of the Priority.	Maintain, Inversion - Maintain: The output is maintained in the status which was active before the priority. - Inversion: Reversal of the status of the output in relation to that which existed before the priority (Down as opposed to Up, and Up as opposed to Down). Default value: Maintain.

3. Main characteristics

Product	TR221
Max. number of group addresses	32
Max. number of links	50
Parameters	6
Objects	7

4. Physical addressing

Physical addressing of the radio products is performed from the TR131 plug-in. In the **Physical addressing** menu, select **Physical addressing**, then following the instructions which appear on the screen.

5. Factory reset

The factory reset of the radio products is performed from the TR131 plug-in:

- The device belongs to the installation (known by the TR131): In the **Physical addressing** menu, select **Factory reset** and then follow the instructions which appear on the screen.
- The device does not belong to the installation (unknown by the TR131): In the **Physical addressing** menu, select **Product outside installation**, select **Two-way product** then follow the instructions which appear on the screen.

