







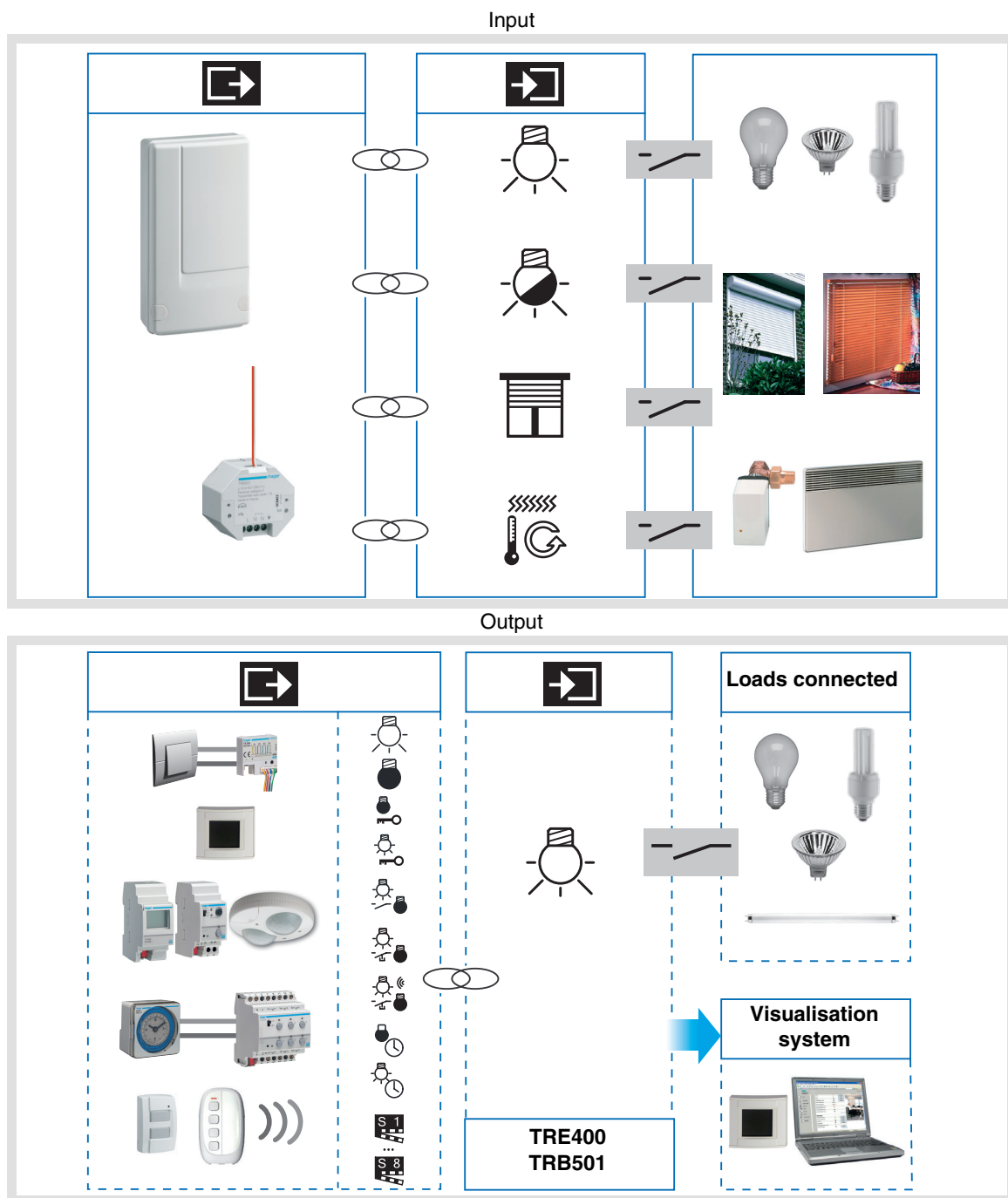


## Tebis TX100 Configurator



quicklink  Radio ON / OFF Input / Output products  
*Electrical / Mechanical characteristics: see product user's instructions*

	Product reference	Description	TX100 version	TP device  RF devices 
	TRE400	1 lighting output + 1 input - IP55	≥ V2.5.1	    
	TRB501	1 output 10A + 1 binary input	≥ V2.6.0	



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# 1. Presentation

## 1.1 General points

All the radio emitters / receivers referred to in this document are quicklink<sup>®</sup> RF devices. They can be recognised by the configuration **cfg** push button with which they are all equipped. Quicklink<sup>®</sup> indicates the configuration without tools mode.

These products can also be configured to E mode by the TX100 or in S mode by ETS via the media coupler TR131.

In this case, the version of the TR131 must fulfill the following characteristics:

- Firmware:  $\geq 1.2.5$
- Plug-in:  $\geq 1.0.11$

This document describes the configuration principle with the TX100 tool and the functions available in this mode.

Within the same installation, a single configuration mode may be used.

**To reuse with TX100, a product that has already been programmed in another installation whatever the initial configuration (quicklink<sup>®</sup>, TX100 or ETS), it is necessary to carry out a factory reset on the device.**

For the combined input / output products, the factory reset will reinstall the local commands (the input of the product controls the load connected with the product). To associate a different function to these inputs with the TX100, the local control link must first be deleted (select the input and output numbers for the product and delete the link).

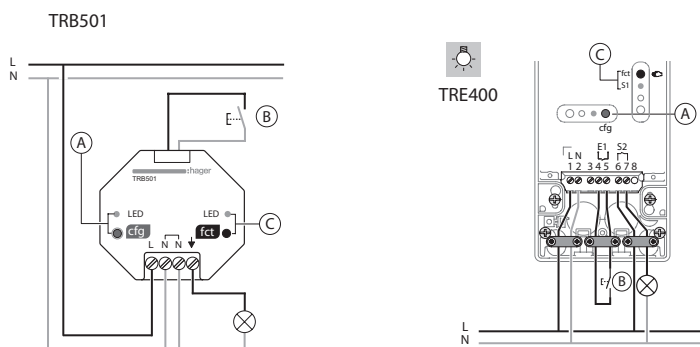
### Specifics of the quicklink<sup>®</sup> radio emitters / receivers:

All the lighting ON / OFF transmitters / receivers are operational when delivered (pre-configured). The product inputs control its output for the most commonly used function (ON / OFF control via toggle switch push button). To use the inputs with a different function, simply delete the existing link using the TX100 before reprogramming this input.

## 1.2 Function Description

The TX100 is used to re-configure the input and output of the TRE400 or the TRB501:

Description



- A Button and LED configuration cfg
- B 1 input for push button or switch
- C Button and LED function fct

### 1.2.1 Inputs

The radio transmitters enable commands to be transmitted for lighting, shutters and blinds, heating / air-conditioning, and scenes.

#### ■ Emission of commands

- Lighting control
  - Toggle switch, ON, OFF, ON / OFF, Timer, Priority, Dimming
- Shutters / Blinds control
  - Up, Down, Stop, Slat angle, Priority, Wind alarm, Rain alarm
  - 1-button control
- Set point selection (Heating)
  - Comfort / Night set-point, Comfort, Night set-point, Frost protection / Auto, Frost protection, Auto, Standby, Comfort / Standby, Priority
- Scene control

### 1.2.2 Outputs

The main functions are the following:

#### ■ ON / OFF

The ON / OFF function is used to switch a lighting circuit ON or OFF. The command may come from switches, pushbuttons or automatic controls.

#### ■ Status indication

The Status indication function displays the status of the output contact. It allows a Toggle function to be created by sending the status indication to each push button of the group.

#### ■ Timer

The Timer function is used to switch a lighting circuit ON or OFF for an adjustable time. Depending on the operation mode selected, the output may be delayed for ON or OFF switching. The timer can be interrupted before the end of the time delay.

#### ■ Priority

The Priority function allows overriding an output to a definite status, ON or OFF. This command has the highest priority. No other command is taken into account if a priority is active. Only a priority end command re-enables the other commands.

Application: maintaining lighting ON for safety reasons.

#### ■ Scene

The Scene function groups a set of outputs. These outputs can be set to an adjustable predefined status. Pressing a push button activates a scene. Each output may be integrated into 8 different scenes.

## 2. Configuration and settings

### 2.1 Configuration

These functions are available in the TX100's Standard configuration mode by creating links with the appropriate output devices. The radio emitters / receivers always function in bidirectional mode.

#### ■ Configuration principle



##### → Programming the product:

- Go to Prog mode and do a long key-press on the  button of TX100 to launch the products tutorial for the installation.

##### → To number the radio inputs:

- Go to the Num numbering menu → Inputs → ✓ ,
- Press on the input key to be numbered. A beep will sound when the input is detected, the configurer will automaticallu allocate a number to it,
- Proceed the same way for the other inputs.

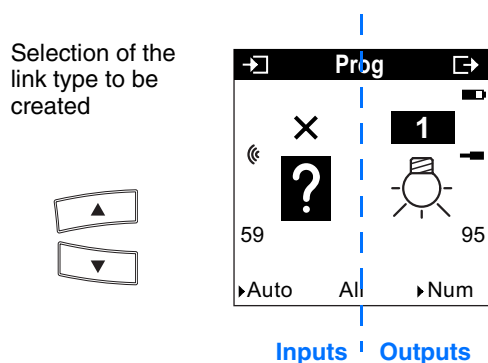
##### → To allocate a function to an input key:

- Go to the Num numbering menu,
- Select the number of the input key required,
- Press ,
- Select the function and validate using  .

## 2.2 On / Off Lighting functions

The ON / OFF Lighting functions command the ON / OFF Lighting outputs symbolized by the icon on the right part of the display.




After numbering, the functions and the links appear on the left side of the screen of the TX100.



The symbol indicates that it is a radio input. To select the functions, switch to the numbering mode.

The table here after shows all type of links compatible with the product:

Possible link type		Link description	Output operation
	ON	The ON function switches the lighting circuit ON.	The activation of the input will cause the light to turn on. Successive activations will keep the light on.
	OFF	The OFF function switches the lighting circuit OFF.	The activation of the input will cause the light to turn off. Successive activations will keep the light off.
	Toggle switch	The Toggle switch function allows inverting the status of the lighting circuit.	Each activation of the input causes the state of the output contact to be inverted.
	Switch	The Switch function switches the lighting circuit ON or OFF.	Closing the input contact causes the light to turn on. Opening the input contact causes the light to turn off.
	Timer ON	The Timer ON function switches the lighting circuit ON for an adjustable time. Select the time delay after confirming the link: Setting range [0 s - 24 h]  Not active, 1 s, 2 s, 3 s, 5 s, 10 s, 15 s, 20 s, 30 s, 45 s, 1 min, 1 min 15 s, 1 min 30 s, 2 min, 2 min 30 s, 3 min, 5 min, 15 min, 20 min, 30 min, 1 h, 2 h, 3 h, 5 h, 12 h, 24 h.	The activation of the input by a short key-press <1 s causes a timed illumination of the light.  Interruption of the time delay: The activation of the input by a long key-press >1 s causes the time delay in progress to be stopped.  Increase of the duration of the delay time: Timer commands repeated n times during the first ten seconds after the beginning of the time delay multiply the duration of the time delay by n times the value of the <b>Timer</b> parameter.  Restart of the timer: A command given 10 sec after the beginning of the time delay restarts the timer only once.

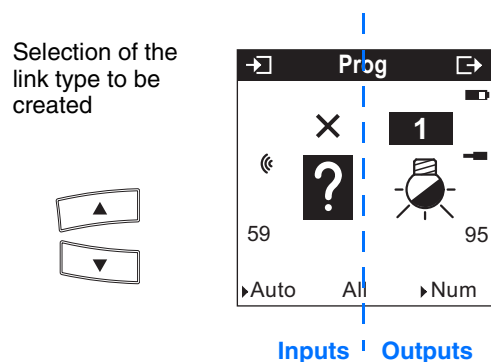
Possible link type	Link description	Output operation
	<p>Timer OFF</p>	<p>The Timer OFF function switches the lighting circuit off for an adjustable time.</p> <p>Select the time delay after confirming the link: Setting range [0 s - 24 h]</p> <p>Not active, 1 s, 2 s, 3 s, 5 s, 10 s, 15 s, 20 s, 30 s, 45 s, 1 min, 1 min 15 s, 1 min 30 s, 2 min, 2 min 30 s, 3 min, 5 min, 15 min, 20 min, 30 min, 1 h, 2 h, 3 h, 5 h, 12 h, 24 h.</p> <p>The activation by short key-press &lt;1 s causes a timed extinction of the light.</p> <p>Interruption of the time delay: The activation of the input by a long key-press &gt;1 s causes the time delay in progress to be stopped.</p> <p>Increase of the duration of the delay time: Timer commands repeated n times during the first ten seconds after the beginning of the time delay multiply the duration of the time delay by n times the value of the <b>Timer</b> parameter.</p> <p>Restart of the timer: A command given 10 sec after the beginning of the time delay restarts the timer only once.</p>
	<p>Priority ON</p>	<p>The Priority ON function forces the lighting circuit ON and maintains it ON.</p> <p>Closing the input contact causes the the output to be prioritised to ON.</p> <p>Opening the input contact causes the output's ON priority to be cancelled.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority.</li> <li>• Inversion: the output is inverted in relation to the status active during Priority.</li> </ul>
	<p>Priority OFF</p>	<p>The OFF Priority function forces the lighting circuit OFF and maintains it OFF.</p> <p>Closing the input contact causes the output priority to be switched to OFF.</p> <p>Opening the input contact causes the cancellation of the OFF output priority.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority.</li> <li>• Inversion: the output is inverted in relation to the status active during Priority.</li> </ul>

## 2.3 Dimmer Lighting functions

The dimmer Lighting functions command the dimmer Lighting output symbolized by the icon on the right part of the display.

Refer to the configuration manuals for the various dimmer Lighting output devices for information on installing and configuring these devices.

After numbering the push buttons, the functions and the links available appear in the left-hand part of the TX100 screen.







The symbol indicates that it is a radio input. To select the functions, switch to the numbering mode.

The table here after shows all type of links compatible with the product:

Possible link type		Link description	Output operation
	ON	The ON function switches the lighting circuit ON.	The activation of the input causes the light at the last memorised level to turn on. Successive activations keep the light at the last memorised level on.
	OFF	The OFF function switches the lighting circuit OFF.	The activation of the input causes the light to be turned off to 0%. Successive activations will keep the light off.
	Toggle switch	The Toggle switch function allows inverting the status of the lighting circuit.	The activation of the input causes the change between Lighting at the last memorised level and Off at 0%. Successive activations invert the state of the output contact each time.
	1 push button dimmer	The 1-push button Dimmer function allows dimming the light with one single push button.	The activation of the input by a short key-press causes the change between Lighting at the last memorised level and Off at 0%. The activation of the input by a long press causes the level of lighting to increase or decrease.
	2 push buttons dimmer: Increase	The Increase Function allows increasing the output level.	The activation of the input by a short press causes lighting to return to the last memorised level. The activation of the input by a long press causes the lighting level to increase.
	2 push buttons dimmer: Decrease	The Reduction function allows decreasing the output level.	The activation of the input by a short press causes the light to turn off. The activation of the input by a long press causes the lighting level to decrease.
	Switch	The Switch function switches the lighting circuit ON or OFF.	The closing of the input contact causes the lighting to return to the last memorised level. The opening of the input contact causes the light to turn off at 0%.



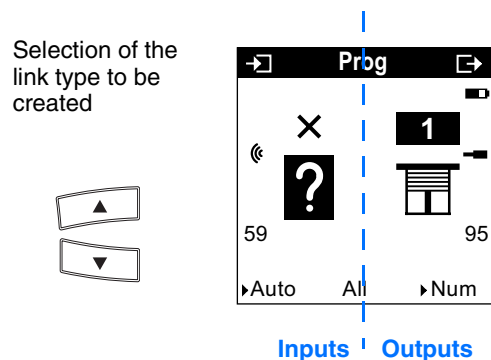
Possible link type		Link description	Output operation
	Timer ON	<p>The Timer ON function switches the lighting circuit ON for an adjustable time.</p> <p>Select the time delay after confirming the link: Setting range [0 s - 24 h]</p> <p>Not active, 1 s, 2 s, 3 s, 5 s, 10 s, 15 s, 20 s, 30 s, 45 s, 1 min, 1 min 15 s, 1 min 30 s, 2 min, 2 min 30 s, 3 min, 5 min, 15 min, 20 min, 30 min, 1 h, 2 h, 3 h, 5 h, 12 h, 24 h.</p>	<p>The activation of the input by a short key-press &lt;1 s causes a timed illumination of the light (at the last memorised level).</p> <p>Interruption of the time delay: The activation of the input by a long press &gt;1 s causes the time delay in progress to stop and switching off at 0% (OFF).</p> <p>Increase of the duration of the delay time: Timer commands repeated n times during the first ten seconds after the beginning of the time delay multiply the duration of the time delay by n times the value of the <b>Timer</b> parameter.</p> <p>Restart of the timer: A command given 10 sec after the beginning of the time delay restarts the timer only once.</p>
	Timer OFF	<p>The Timer OFF function switches the lighting circuit off for an adjustable time.</p> <p>Select the time delay after confirming the link: Setting range [0 s - 24 h]</p> <p>Not active, 1 s, 2 s, 3 s, 5 s, 10 s, 15 s, 20 s, 30 s, 45 s, 1 min, 1 min 15 s, 1 min 30 s, 2 min, 2 min 30 s, 3 min, 5 min, 15 min, 20 min, 30 min, 1 h, 2 h, 3 h, 5 h, 12 h, 24 h.</p>	<p>The activation by short key-press &lt;1 s causes a timed extinction of the light.</p> <p>Interruption of the time delay: The activation of the input by a long press &gt;1 s causes the time delay in progress to stop and the light to turn on at the last memorised level.</p> <p>Increase of the duration of the delay time: Timer commands repeated n times during the first ten seconds after the beginning of the time delay multiply the duration of the time delay by n times the value of the <b>Timer</b> parameter.</p> <p>Restart of the timer: A command given 10 sec after the beginning of the time delay restarts the timer only once.</p>
	Priority ON	<p>The Priority ON function forces the lighting circuit ON and maintains it ON.</p>	<p>Closing the input contact causes the the output to be prioritised to ON.</p> <p>Opening the input contact causes the output's ON priority to be cancelled.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority.</li> <li>• Inversion: the output is inverted in relation to the status active during Priority.</li> </ul>
	Priority OFF	<p>The OFF Priority function forces the lighting circuit OFF and maintains it OFF.</p>	<p>Closing the input contact causes the output priority to be switched to OFF.</p> <p>Opening the input contact causes the cancellation of the OFF output priority.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority.</li> <li>• Inversion: the output is inverted in relation to the status active during Priority.</li> </ul>

## 2.4 Shutters / Blinds function

The Shutters / Blinds function commands Shutters / Blinds outputs symbolized by the icon in the right part of the display.







Refer to the configuration manuals for the various Shutters / Blinds output devices for information on installing and configuring these devices.

After numbering the push buttons, the functions and the links available appear in the left-hand part of the TX100 screen.





The symbol indicates that it is a radio input. To select the functions, switch to the numbering mode. The table here after shows all type of links compatible with the product:

Possible link type	Link description	Output operation
	Up / Stop	<p>The Up / Stop function allows moving up or stopping a shutter or a blind, or inclining the slats of a blind.</p>
	Down / Stop	<p>The Down function allows moving down or stopping a shutter or a blind, or inclining the slats of a blind.</p>
	Up / Down / Stop	<p>The Up / Down function allows moving up, down or stopping a shutter or a blind with one single push button.</p>

Possible link type		Link description	Output operation
	Up	The Up function raises a roller shutter or a blind.	Closing the input contact causes the timed closing of the output contact Up (Up fonction of a shutter or blind).
	Down	The Down function lowers a roller shutter or a blind.	Closing the input contact causes the timed closing of the output contact Down (Down function of a shutter or a blind).
	Up / Down	The Up / Down function raises or lowers a roller shutter or a blind.	Closing the input contact causes the timed closing of the output contact Up (Up function for a rolling shutter or blinds) and opening the input contact causes the timed closing of the output contact Down (Down function of a shutter or a blind).
	Down / Up	The Down / Up function is used to lower or to raise a rolling shutter or blind.	Closing the input contact causes the timed closing of the output contact Down (Down function for a rolling shutter or blinds) and opening the input contact causes the timed closing of the output contact Up (Up fonction of a shutter or blind).
	Up priority	The Priority up function forces the Up movement of a shutter or a blind.	<p>The activation of the input causes the timed closing of the output contact Up (Up fonction of a shutter or blind)*.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority,</li> <li>• Inversion: the output is inverted in relation to the status active during Priority (→ Shutter Down).</li> </ul> <p>A priority is also cancelled by another Priority command.</p>
	Down priority	The Down Priority function forces the Down movement of a shutter or a blind.	<p>The activation of the input causes the timed closing of the output contact Down (Down function of a shutter or a blind)*.</p> <p>Priority is the function with the highest priority. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>After confirming the link, select the behaviour to follow Priority Cancellation:</p> <ul style="list-style-type: none"> <li>• Maintain: the output is maintained in the same status as during Priority,</li> <li>• Inversion: the output is inverted in relation to the status active during Priority (→ Shutter up).</li> </ul> <p>A priority is also cancelled by another Priority command.</p>

\* The modes and delay durations are parameterisable (see the TX100 configuration manuals for the Shutter / Blind output actuators).

Possible link type		Link description	Output operation
	Wind alarm*	The Wind alarm function enables alarms to be sent from automatic controls.	<p>When the input contact is closed, the information Alarm active (1) is sent.</p> <p>When the input contact is opened, the information Alarm inactive (0) is sent.</p>

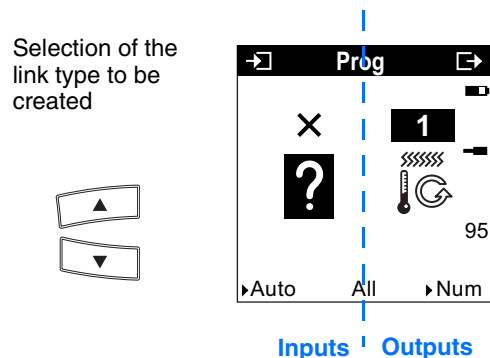
	Rain alarm*	The Rain alarm function enables alarms to be sent from automatic controls.	When the input contact is closed, the information Alarm active (1) is sent.  When the input contact is opened, the information Alarm inactive (0) is sent.
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\* These functions have the highest priority. The Wind alarm function has a higher priority than the rain alarm function. No other command is taken into consideration if an Alarm is active. Only the end of the alarm enables again the other commands.

## 2.5 Heating / Air-Conditioning function

The Heating / Air-Conditioning functions command a thermostat or a regulator symbolized by the icon on the right part of the display.

Refer to the thermostat, ambiance controller and regulator configuration manuals for information on installing and configuring these devices.



The symbol indicates that it is a radio input. To select the functions, switch to the numbering mode.

The table here after shows all type of links compatible with the product:

Possible link type	Link description	Output operation
Comfort / Night set-point	The function Comfort / Night set-point enables switching between the Comfort and Night set-point modes.	The associated input contact is a switch or an output from a programming clock.  Closing the contact causes Comfort mode to be activated. Opening the contact causes Night set-point mode to be activated.  The effect of this command is cancelled by any other mode activation command.
Override in comfort mode	The function "Override in comfort mode" activates the Comfort mode.	Closing the input contact causes Comfort mode to be activated.  The effect of this command is cancelled by any other mode activation command.
Override in Economy mode	The function "Override in economy mode" activates the economy mode.	Closing the input contact causes Night set-point mode to be activated.  The effect of this command is cancelled by any other mode activation command.
Frost protection / Auto	The Frost protection / Auto function enables switching between the Frost protection and Automatic modes.	The associated input contact is a switch or an output from a programming clock.  Closing the contact causes the Frost protection mode to be activated. Opening the contact causes a return to Automatic mode.  The effect of this command is cancelled by any other mode activation command.
Frost protection override	The Frost protection override function is used to activate the Frost protection function in the case of heating or the Protection mode in the case of air conditioning.	Closing the input contact causes the Frost protection mode to be activated (Protection in case of air-con).  The effect of this command is cancelled by any other mode activation command.

Possible link type		Link description	Output operation
	Auto (Return home)	The Auto function cancels the override in progress to return to the set point corresponding to Automatic mode.	<p>Closing the input contact causes Auto mode to be activated.</p> <p>The effect of this command is cancelled by any other mode activation command.</p>
	Standby override	The Standby override function is used to activate Standby mode.	<p>Closing the input contact causes Standby mode to be activated.</p> <p>The effect of this command is cancelled by any other mode activation command.</p>
	Comfort / Standby	The Comfort / Standby function enables switching between the Comfort and Standby modes.	<p>Closing the input contact causes the setpoint to switch between Comfort and Standby. The setpoint changes each time the input contact is closed.</p> <p>The effect of this command is cancelled by any other mode activation command.</p>
	Comfort Priority	The Comfort Priority function is used to activate and maintain Comfort mode.	<p>The associated input contact is a switch or an output from a programming clock.</p> <p>Closing the contact causes the activation and maintenance of Comfort mode. Opening the contact causes the cancellation of the priority and the return to the normally active mode.</p> <p>The Comfort Priority function is a function with a higher priority than the override or time delay commands. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>The effect of the command is cancelled by any other priority command (Night set-point, Frost protection) or by a Stop or Windows contact command.</p>
	Priority frost protection	The Frost protection override function is used to activate the Frost protection function in the case of heating or the Protection mode in the case of air conditioning.	<p>The associated input contact is a switch or an output from a programming clock.</p> <p>Closing the contact causes Frost protection mode to be activated and maintained (Protection in case of air-con). Opening the contact causes the cancellation of the priority and the return to the normally active mode.</p> <p>The Priority frost protection function is a function with a higher priority than override or time delay commands. Only a cancellation command for the priority can end the priority and authorise other commands to be followed again.</p> <p>The effect of the command is cancelled by any other priority command (Night set-point, Frost protection) or by a Stop or Windows contact command.</p>

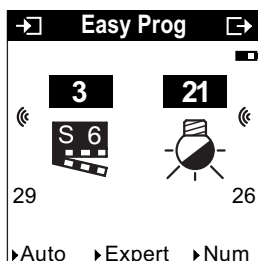
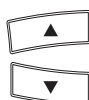
## 2.6 Scene Functions



### ■ Link creation

The Scene function groups a set of outputs. These outputs can be set to an adjustable predefined status. Pressing a push button activates a scene. Each output may be integrated into 8 different scenes.

It is possible to create links between a push-button and the outputs which are to be part of the scene by selecting a Scene function (number 1 to 8).

Selection of the link type to be created

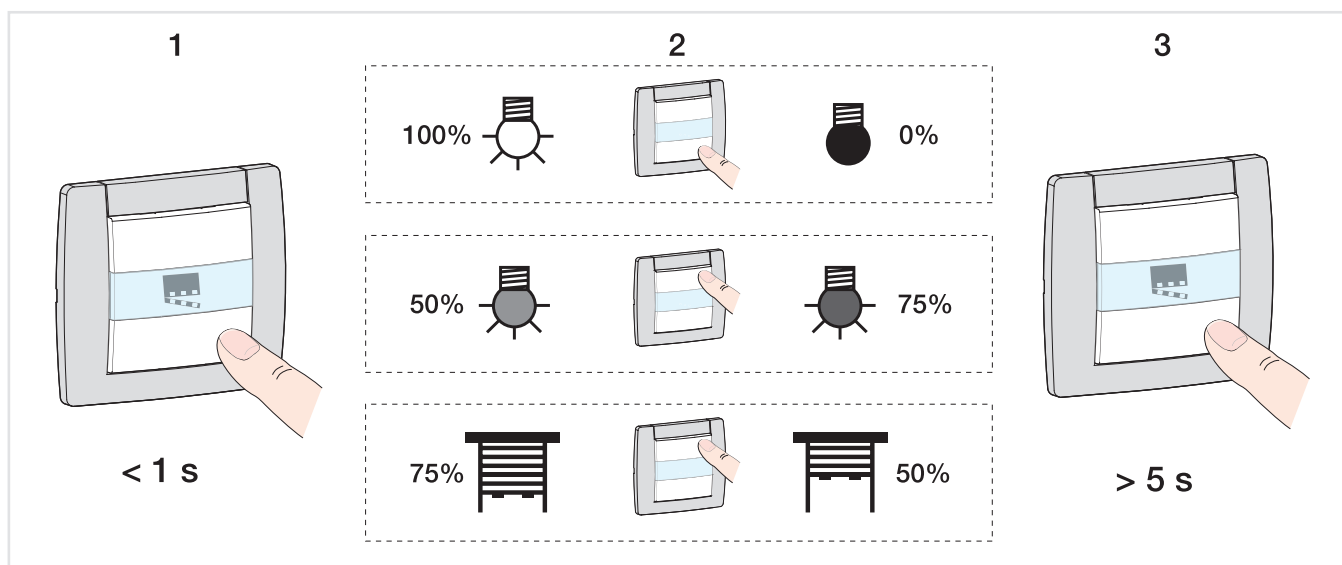


Possible link type	Link description	Output operation
 ... 	Scene 1 to 8  The Scene function groups a set of outputs. These outputs can be set to an adjustable predefined status. Pressing a push button activates a scene. Each output may be integrated into 8 different scenes.	The status of each output can be defined: <ul style="list-style-type: none"> <li>- By output settings,</li> <li>- Via learning, with the push buttons on the installation or on the front of certain devices.</li> </ul>

### ■ Learning and memorisation of scenes

This procedure enables a scene to be modified and memorised by locally using the push buttons in the room, on a remote control RF.

- Activate the scene with a short key-press on the transmitter that launches the scene,
- Put the outputs (Lighting, Shutters, Thermostat, etc.) into the desired status using the usual local controls (push button, remote control, etc.),
- Memorise the status of the inputs with a long key-press greater than 5s on the transmitter that launches the scene. The memorisation is indicated by the momentary activation of the outputs.



## 2.7 Repeater Function

It increases the radio range of the system by re-sending the messages received by the product. Inactive by default, the Repeater function can be activated from the Product Management / TX100 Repeater menu.

### 3. "+ info" and "expert" mode of the TX100

#### 3.1 Mode + Info

The mode +Info can be accessed in the Prog and Visu modes of the TX100. This display mode is active for the installation products until it is deactivated.



The +Info mode allows the status indication to be linked from an output to a viewing product: Area controller, LED output, etc. The status indication sends the current status over the network each time the status changes.

The status indication is represented by the symbol .

The status indication adds itself to the list of inputs on the left of the TX100 screen with the same number as the output.

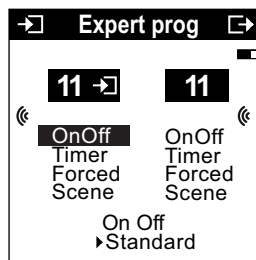
#### 3.2 Expert mode

##### ■ General points

The Expert mode allows:

- Non-configurable KNX products to be integrated by ETS (viewing tool, Internet gateway, domovea) in the installation,
- Specific links, not available in the Standard configuration mode, to be created.

In Expert mode, the functions are displayed through the communication objects used in the configuration ETS mode. The objects appear as a list located under the input and output numbers.



The Expert mode allows links to be established between objects with the same format by giving them the same group address.



■ List of the available objects

**On / Off and Dimmer Lighting controls**

Designation TX100	Designation ETS	Function	Format	Description
OnOff	On/Off	ON / OFF	EIS1 1 bit	Allows an ON / OFF command to be transmitted.
IOnOff	InfoOn/Off	ON / OFF information	EIS1 1 bit	Indicates the output's status.
DimCtrl	DimmingCtrl	Dimming command	1 bit	Allows changing the output level of a dimmer.
Timer	TimedStartstop	Timer	EIS1 1 bit	Allows you to activate or interrupt the timer.
Forced	Forced	Priority	EIS2 2 bit	Forces an output.

**Shutters / Blinds control**

Designation TX100	Designation ETS	Function	Format	Description
StepStop	StepStop	Slat angle	1 bit	Sends a slat angle command for a blind.
UpDown	UpDown	Up / Down	1 bit	Sends an Up or Down command for a roller shutter or a blind.
IUpDown	InfoMoveUpDown	Up / Down information	1 bit	Provides the status of the Up / Down output (control 1 BP).
Forced	Forced	Priority	EIS2 2 bit	Forces an Up or Down command.
Wind Alm	Wind Alm	Wind alarm	1 bit	The <b>WindAlm</b> object enables the wind alarm to be activated.
RainAlm	RainAlm	Rain alarm	1 bit	The <b>RainAlm</b> object enables the rain alarm to be activated.

**Heating / Air-Conditioning control**

Designation TX100	Designation ETS	Function	Format	Description
HvacMode	HvacMode	Heating mode	1 byte	Activates a heating or air-conditioning mode (Comfort, Reduced, ...).
IOnOff	InfoOn/Off	ON / OFF information	EIS1 1 bit	Indicates the output's status.
Timer	TimedStartstop	Timer	EIS1 1 bit	Starts a delayed deviation.
Forced	Forced	Priority	EIS2 2 bit	Forces a heating or air-conditioning mode.

**Scene**


Designation TX100	Designation ETS	Function	Format	Description
Scene	SceneNumber	Scene	1 byte	Activates the scene by its number.

## 4. Factory reset

This function enables the device to be returned to its initial configuration (configuration when it came out of the factory). After a device reset, the device can be re-used in a new installation. The factory reset can either be performed directly on the product, or using the TX100 Product Management / Factory Reset menu. The latter solution is recommended if the product is part of the installation configured by TX100.

### 4.1 Factory reset using the TX100

The device belongs to the installation: it appears in the Reset menu's list of devices that can be reset to Factory configuration.

- Select the product in the list,
- Press  and confirm the erasing.


After a device reset, the installation must be learnt again in order to relocate the devices reset to Factory configuration.

### 4.2 Factory reset on the product

The factory reset can be performed on the product, if the data of the TX100 project has been lost or if the product is not part of the installation.

Factory reset on the product:

- Press and hold the "Cfg" button (> 10 seconds), release the button as soon as the "Cfg" LED starts to flash,
- Wait for the "Cfg" LED to go out, indicating that the factory reset is complete.

**To reuse with TX100, a product that has already been programmed in another installation whatever the initial configuration (quicklink , TX100 or ETS), it is necessary to carry out a factory reset on the device.**

For the combined input / output products, the factory reset will reinstall the local commands (the input of the product controls the load connected with the product). To associate a different function to these inputs with the TX100, the local control link must first be deleted (select the input and output numbers for the product and delete the link).

## 5. Main characteristics

Product	TRE400 / TRB501
Max. number of group addresses	87
Max. number of links	95

