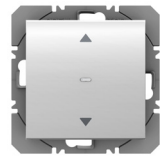
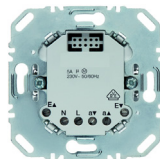




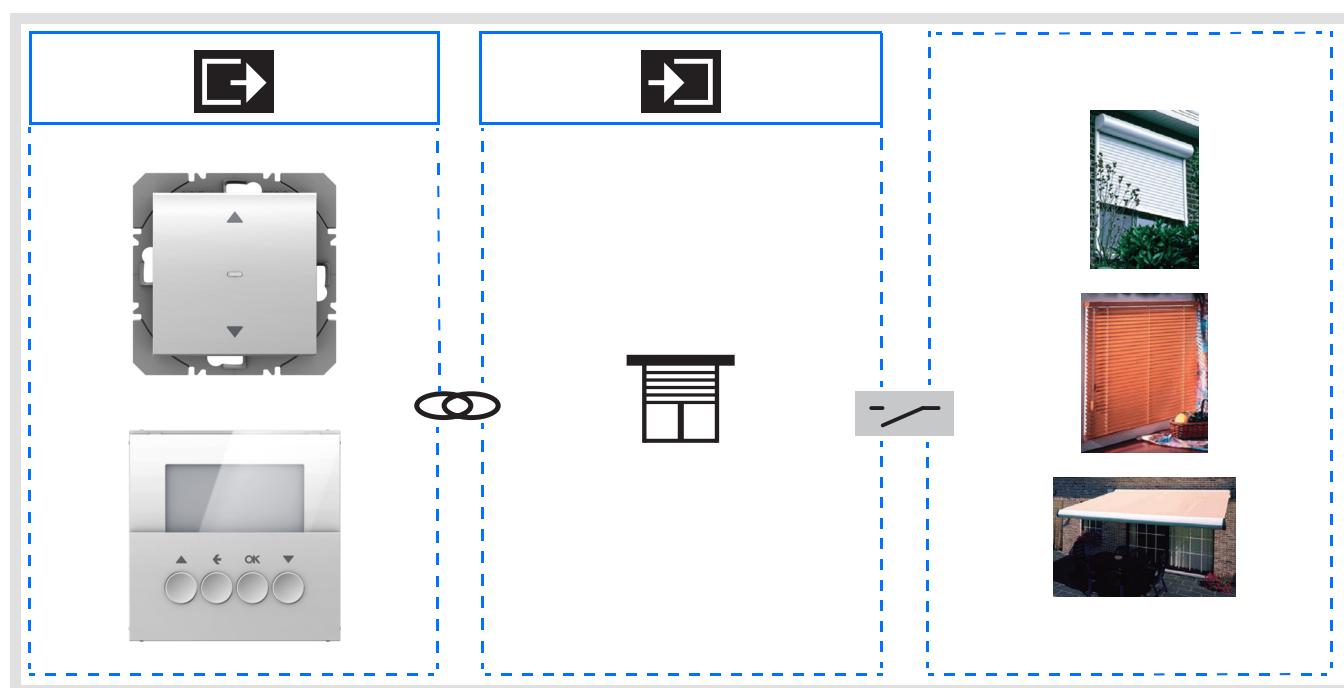
Tebis TX100 Configurator

Input products / Shutter Output / RF output quicklink 

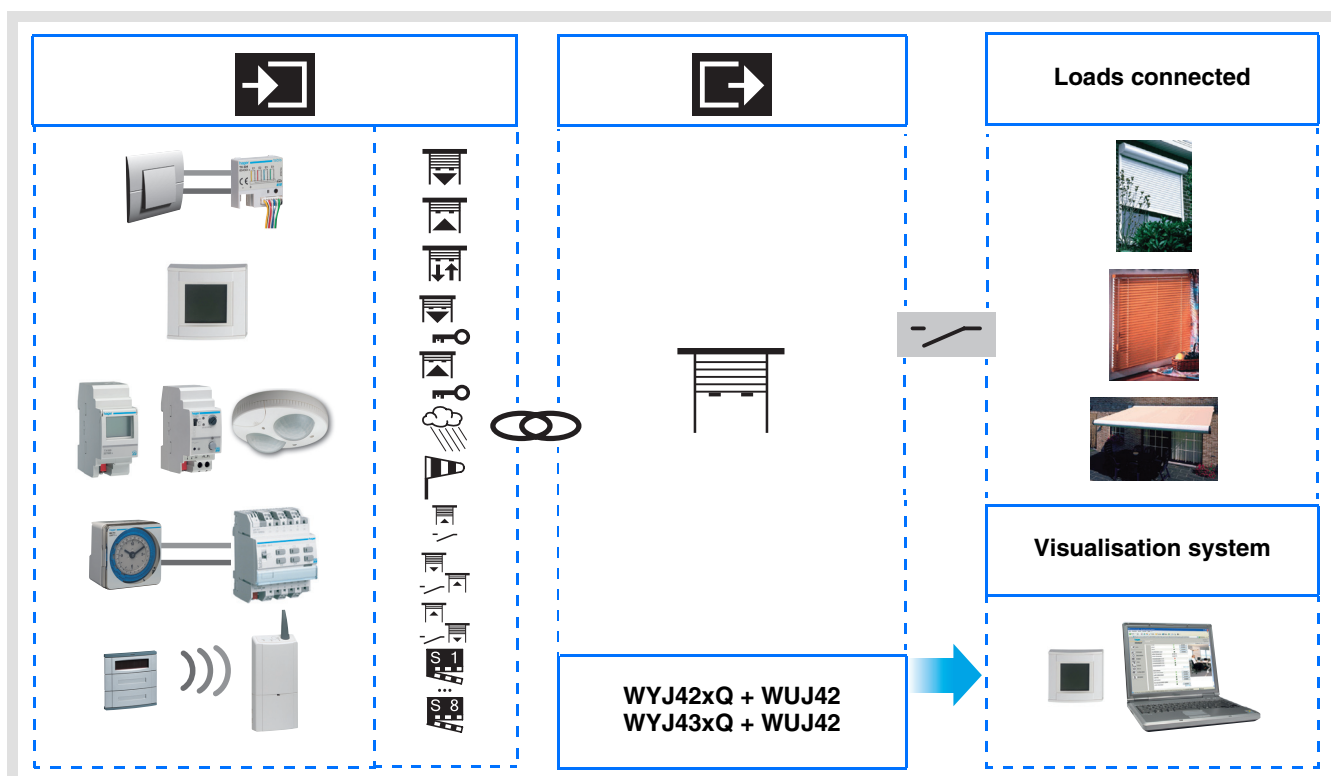
Electrical / Mechanical characteristics: see product user manual

	Product reference	Product designation	TX100 version	TP device  RF device 
	WYJ42xQ	Control module 1-fold push button shutters / blinds RF	≥ 2.7.0	
	WYJ43xQ	Control module Time switch shutters-blinds RF	≥ 2.7.0	
	WUJ42 WUC18	Power module 1 shutter / blind output Power supply		

Inputs



Output



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1. Presentation

1.1 General points

All radio transmitters referred to in this document are radio quicklink  products. They can be recognised by the configuration **cfg** push button with which they are all equipped. Quicklink  indicates the configuration without tools mode.

These products can also be configured in E mode by the USB configurer or in S mode by ETS via the media coupler.

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

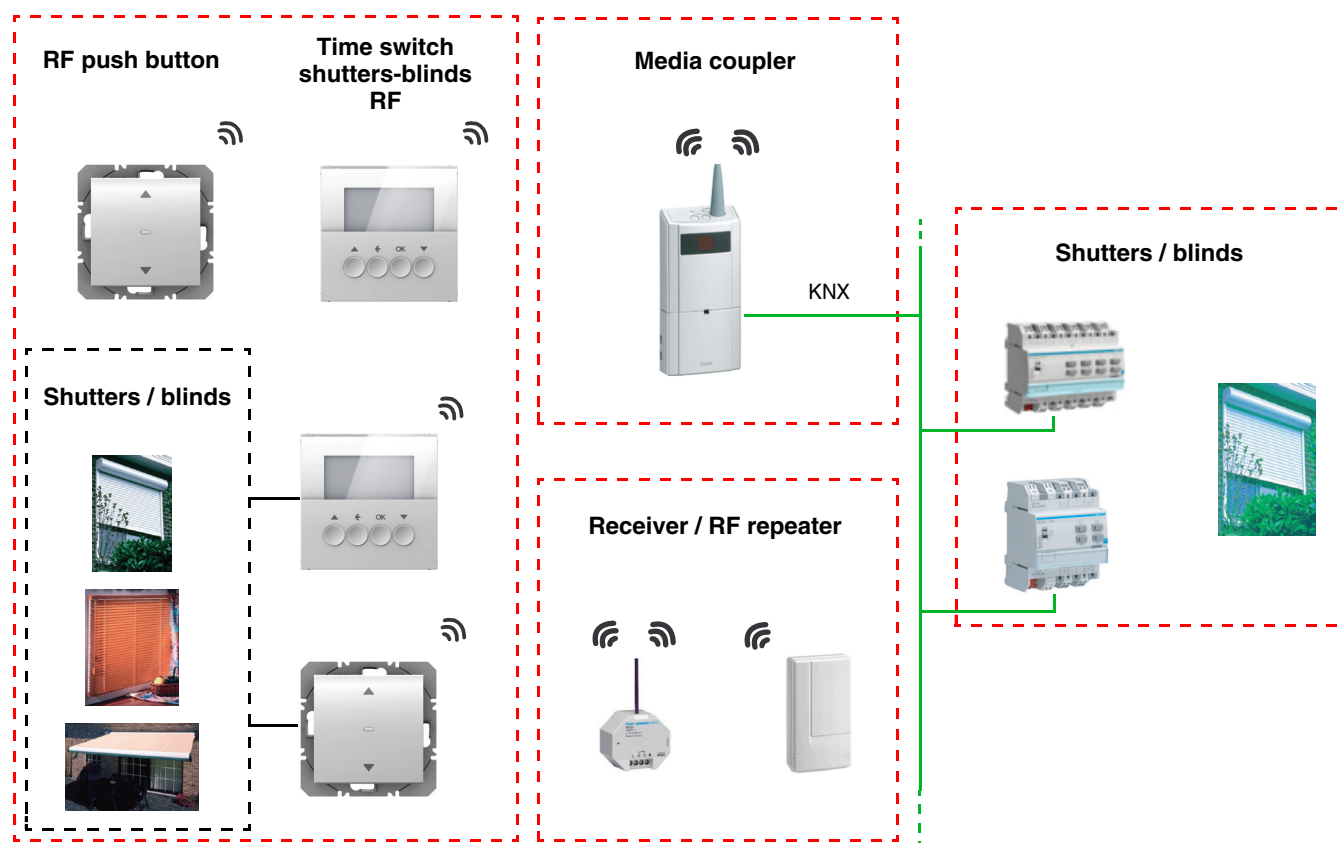
- Firmware: $\geq 1.2.5$
- Plug-in: $\geq 1.0.11$

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 , TX100 or ETS), it is necessary to carry out a factory reset on the device.

1.2 General outline

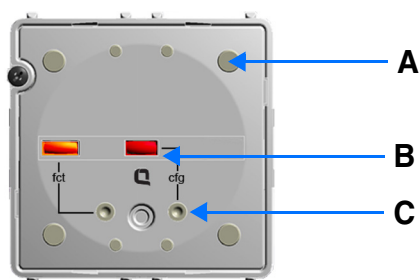


1.3 1-fold push button shutters / blinds RF

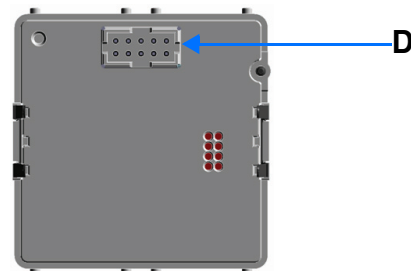
1.3.1 Description of the product

- Control module

Front face



Rear face

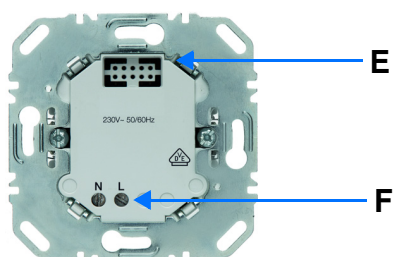


A: Button
B: Configuration LED
C: Configuration button

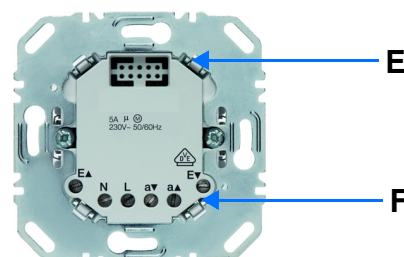
D: Connector

- Power module

Power supply 230V~



1 shutter / blind output



E: Connector
F: Connection terminal block

1.3.2 Compatibility between the control module and the power module

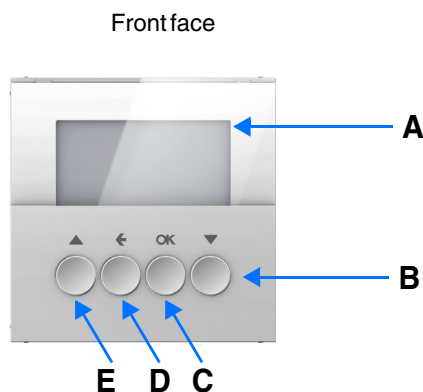
The table below shows the possible interconnections between the modules:

Control module	WYJ42xQ
Power module	
WUJ42	1-fold push button shutters / blinds RF 1 shutter / blind output
WUC18	1-fold push button shutters / blinds RF

1.4 Time switch shutters-blinds RF

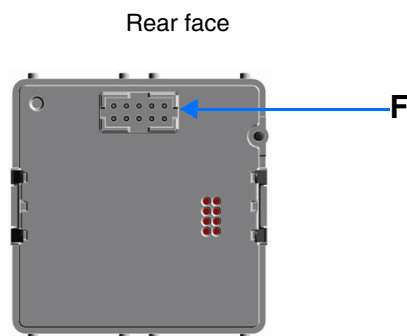
1.4.1 Description of the product

• Control module



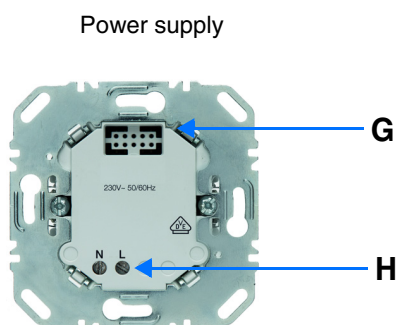
A: Display
B: Down button
C: OK button

D: Return button
E: Up button

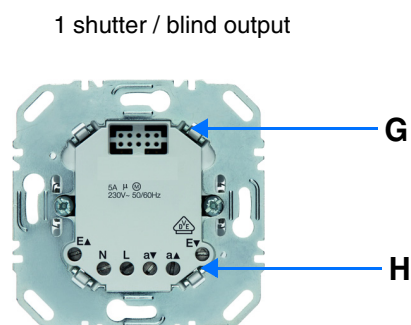


F: Connector

• Power module



G: Connector
H: Connection terminal block



1.4.2 Compatibility between the control module and the power module

The table below shows the possible interconnections between the modules:

Control module	
Power module	WYJ43xQ
	WYJ42
	Time switch shutters-blinds RF 1 shutter / blind output
	WUC18
	Time switch shutters-blinds RF

1.5 Function Description

1.5.1 Inputs

The inputs send shutter and blind controls.

■ Emission of commands

- Shutters / Blinds control
 - Up, Down, Stop, Slat angle

1.5.2 Outputs

The TX100 enables the output for the Rolling shutters / Blinds applications to be configured individually.

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.

■ 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.

■ Alarm 1 (Wind) and Alarm 2 (Rain)

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.

■ 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 can be integrated in 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 Configuration

These functions are available in the TX100's Standard configuration mode by creating links with the appropriate output devices. For normal operation, the radio transmitters operate in a one-direction mode. Configuration takes place in bi-directional mode.

■ Configuration principle

To switch from one mode to another, perform a factory reset on the product (see chapter 4 factory reset).

→ Activating configuration mode

- 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 .

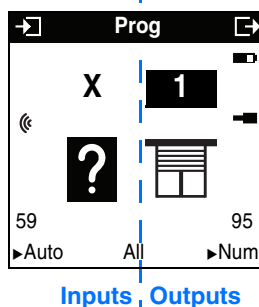
2.2 Shutters / Blinds function

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.

Selection of the link type to be created



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 / Down	The Up / Down function raises or lowers a roller shutter or a blind.	Closure of the input contact causes the delayed closure* of the Up output contact (Up fonction of a shutter or blind). Opening of the input contact causes the delayed closure* of the Down output contact (Down function of a shutter or a blind).

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

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

To set a program in Expert mode, it is necessary to have some basic knowledge in KNX (for example, software ETS).

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

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.

Shutter / blind output

Designation TX100	Function	Format	Description
UpDown	Up / Down	1 bit	The UpDown object enables the output to be switched to raise or lower the rolling shutter or the blinds.
StepStop	Slat angle / Stop	1 bit	The StepStop object enables the output to be switched to angle the blind slats, or stop the up or down movement.
Forced	Priority	2 bit	The Forced object enables an output to be forced.
WindAlm	Wind alarm	1 bit	The WindAlm object enables the wind alarm to be activated.
RainAlm	Rain alarm	1 bit	The RainAlm object enables the rain alarm to be activated.
Scene	Scene	1 byte	The Scene object enables a scene to be activated or memorised.
IUpDown	Status indication of the output	1 byte	The IUpDown object enables the status of the output to be sent: Position of the rolling shutter or the blinds and current operating mode of the output (Alarm, Priority, jamming, Normal).

4. Restore Factory Configuration function

This function enables the product to be returned to its initial configuration (factory reset). After a device reset, the device can be re-used in a new installation. The factory reset can be performed either directly on the device or via the Product Management / Factory Reset menu of TX100. 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:

■ 1-fold push button shutters / blinds RF

- 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.

■ Time switch shutters-blinds RF

Factory reset on the product:

- Press and hold (> than 3 seconds) the OK button until the menu appears,
- Select "Installer menu" using the or buttons,
- Press the button OK to validate your selection,
- Select "Factory settings" using the or buttons
- Press and hold (> than 10 seconds) the OK button until the symbol appears.

The product restarts automatically.

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.

5. Characteristics

Product	WYJ42xQ	WYJ43xQ
Max. number of group addresses	80	60
Max. number of links	90	62

