EN

TXA100

Configuration tool
Installer manual

03/2017 – 6LE001477E

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1. INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

The descriptions provided in this manual are intended to familiarise the installer with the configuration tool supplied by Hager.

The procedures set out in this manual are intended to help the installer in the installation of the KNX configuration system, using the configuration tool.

Name and reference of the products:

- TXA100: Configuration tool
- TJA665: Configuration server

1.2 GENERAL INFORMATION ON KNX INSTALLATIONS

A KNX installation is an electrical installation through which the products communicate, via a wired or radio bus, to send or receive commands.

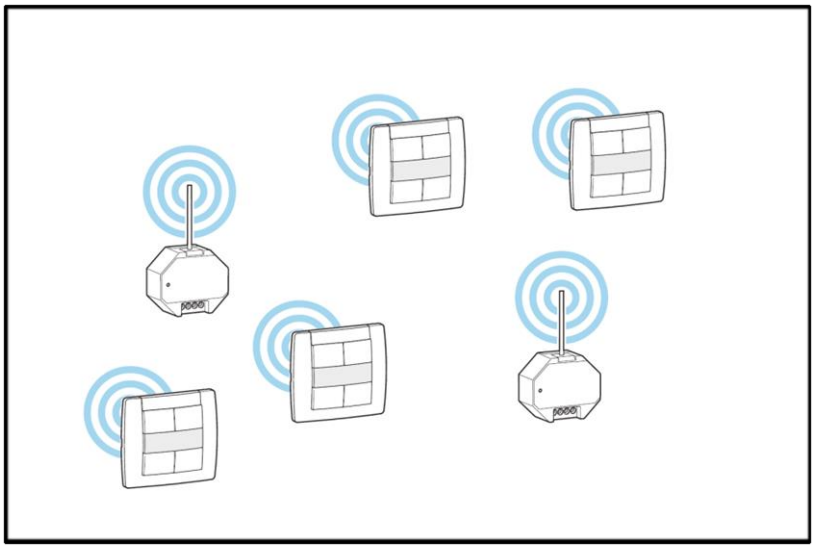
A KNX installation has different types of products that can be categorised:

- According to their connection with the KNX bus:
  - Wired products: they are linked to the KNX bus by a cable that meets KNX specifications.
  - Radio products: they are linked to the bus by a radio connection that meets KNX radio specifications. The radio communication can be:
    a) Unidirectional: products that are transmitters only.
    b) Bidirectional: products are both transmitters and receivers.

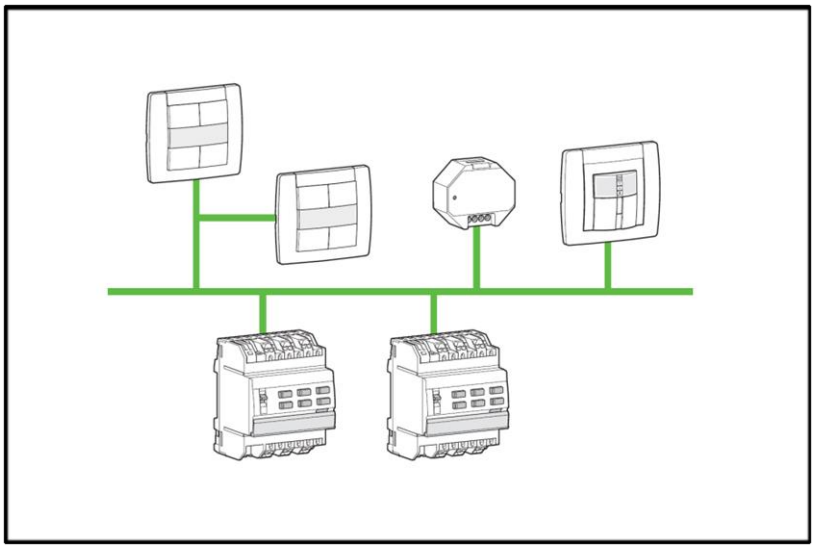
- According to their function in the installation
  - Input products: they transmit the commands (push-buttons, switches, presence detector, etc.). An input product can have several input channels: push-buttons with several keys, etc.
  - Output products: they receive commands and operate the connected applications (lighting, roller shutters, etc.). An output product can have several output channels: lighting output module with 6 channels to manage 6 lighting circuits, etc.
  - Systems products: they are necessary to the correct operation of the installation: bus power supply, wired bus/radio bus media coupler, etc.

A KNX installation can be:

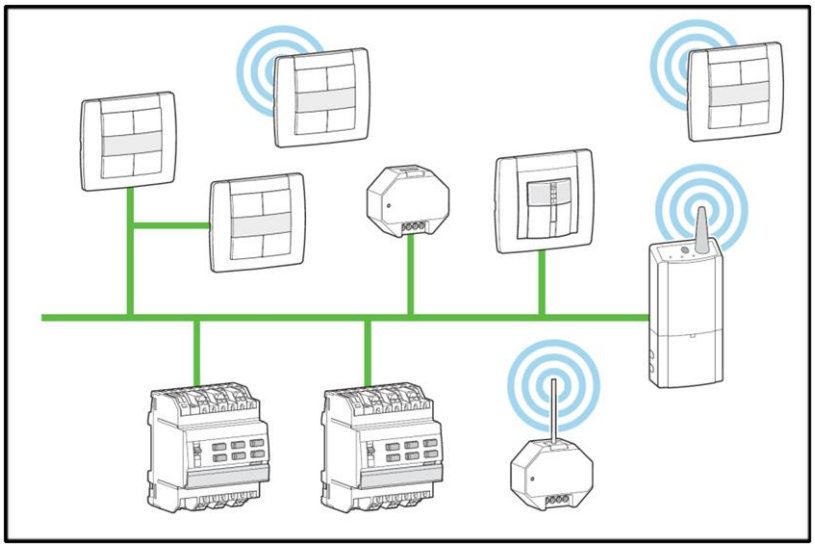
- Entirely radio: all products (unidirectional or bidirectional) in the installation communicate through radio waves.



- Entirely wired: all products in the installation communicate through the KNX cable.



- Mixed: the installation has both radio products and wired products:



In a mixed installation, it is essential to install a media coupler. This media coupler allows communication between the wired products and radio products.

2. GENERAL INTRODUCTION

2.1 CONFIGURATION AND MANAGEMENT OF KNX INSTALLATIONS

In a KNX installation, after having assembled and connected all of the products in the installation, you must then proceed with its configuration. This configuration is carried out using a tool: the TXA100.

Configuring a KNX installation consists of:

- Identifying and labelling products present in the installation: push-buttons, lighting output modules, etc.
- Assigning a function to each input, for example, for a push-button: switch on a light, raise a roller shutter, switch the heating on in Comfort mode, etc.
- Creating links between the inputs and outputs to define which inputs control which outputs. It is also possible to set it up so that one input commands several outputs and to perform commands for the group or for the scene.

The configuration must then be backed up in file form (called the project file) on an external memory device such as a USB key or a PC.

2.2 INTRODUCTION TO THE TXA100 CONFIGURATION TOOL

2.2.1 CONTENTS OF THE CASE

It is delivered in a case, which contains:

- a TJA665 configuration server
- a TXA114 - KNX bus and 24 V= power supply
- a WIFI router
- a RJ45 Ethernet connection cable

2.2.2 OVERVIEW

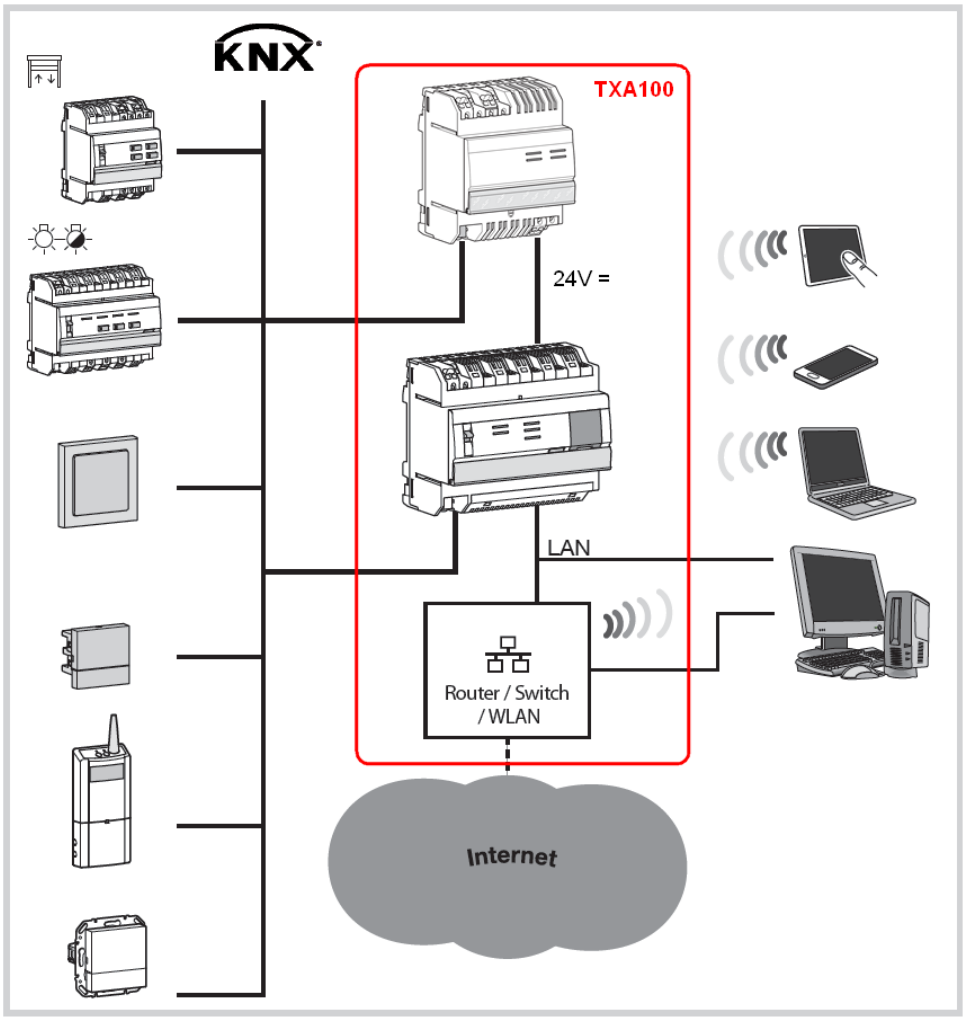
The configuration tool is made up of:

- A configuration server: The configuration server is a central unit with a programme that enables configuration of the installation. It has a KNX connection and an ETHERNET connection.

- A WIFI router: The WIFI router enables the connection between the configuration server and the user interfaces (PC, tablets, Smartphones, etc.).

- A KNX bus and 24 V= power supply: The power supply provides a 24 V= current for the configuration server and 30 V for the KNX bus if necessary.

The following diagram sets out the hardware architecture of an installation with the configuration tool:



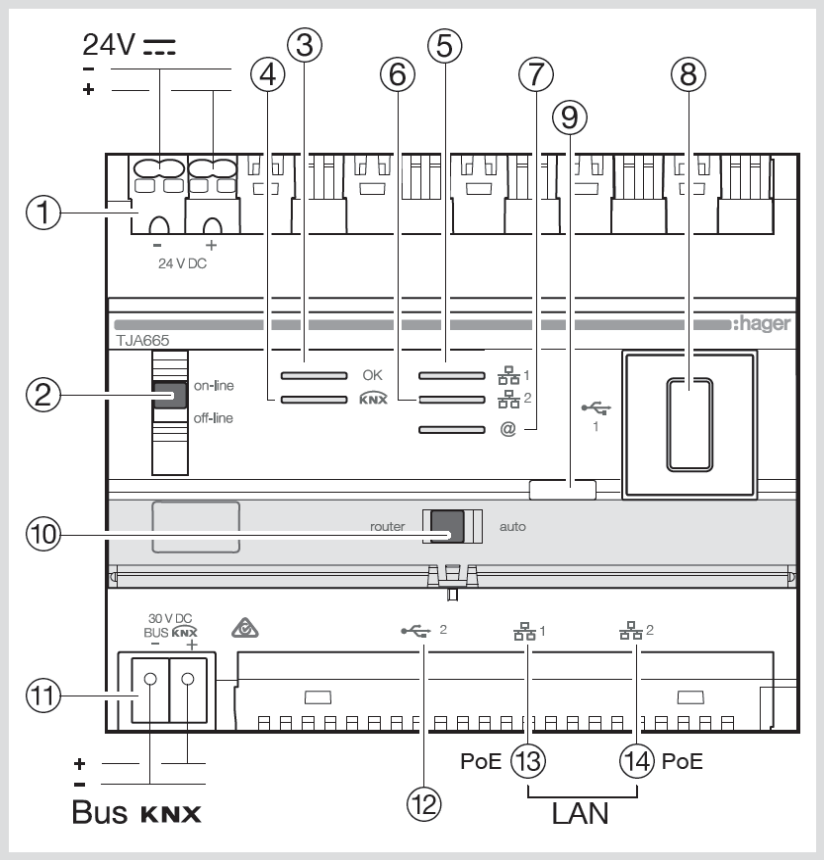
The system is based on two different networks:

- The KNX network (cable, radio or mixed) on which all KNX sensors, actuators, switches, etc. are installed,
- The Ethernet network where all of the IP customers are connected to the LAN (local area network): PC, tablets, Smartphones, etc.

2.2.3 THE CONFIGURATION SERVER

The TJA665 is a KNX product configuration server for easy mode. It enables configuration of all Hager and Berker products that have an integrated easy mode.
The product connects:

- the KNX bus through the connector ⑪;
- the local IP network through one of the two Ethernet ports ⑬ or ⑭.



The product is fitted with configuration software for KNX products. The software operates by connecting to web browsers installed on tablets, Smartphones and PCs.
OS compatibility: iOS 8, Android 4.4, Windows 8.1
Browser compatibility: IE11, Chrome 35, Firefox 37.

The following table summarises what each LED means

LED function	LED ref	LED colour	Description
Power	③	Off	Product not supplied
		Flashing green	Product start-up phase
		Steady green	Product is on
		Flashing red	Product is supplied by the power reserve
		Steady red	OS loading error
KNX	④	Off	Product is supplied by the power reserve
		Flashing green	Connected to the KNX bus - traffic bus
		Steady green	Connected to the KNX bus - no traffic bus
		Steady red	No connection to the KNX bus
Ethernet 1 and 2	⑤and⑥	Off	No network (or operating on the power reserve)
		Flashing green	No DHCP server detected; operation through the fallback IP detection
		Steady green	Network detected and IP detection allocated
		Steady red	Conflicting IP detection
		Flashing red	Awaiting IP detection allocation
Portal	⑦	Off	No connection to the Hager portal
		Flashing green	Tentative connection to the Hager portal
		Steady green	Connection to the Hager portal established
		Steady red	Hager portal not accessible or connection rejected
Bus current is present	⑨	Steady red	Check the bus voltage by pressing the push-button ⑨. If the red LED is on, the KNX bus is present.

2.2.4 UPDATE TO THE SOFTWARE VERSION OF THE CONFIGURATION SERVER

➢ **Note:**

The software version of the configuration server must be updated before using for the first time.

There are 2 ways to update:

- **Automatic**

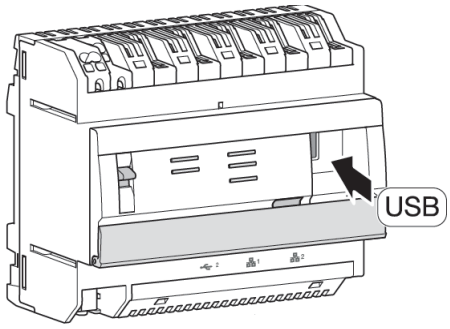
  Connect the configuration tool to an Internet router. It automatically connects to the network and remote server to perform the update (see chapter 9.2.2 for the configuration of the automatic update).

- **Manually**

  The update file is available from the Hager site.

  To update the configuration server software version:

  - Insert a blank USB key.
  - Copy the update file to the USB key
  - Insert the USB key into one of the configuration server's USB ports.
    The "OK" LED flashes for approximately one minute then remains steady.



  - Remove the USB key.

    The server is updated with the new software version.

2.2.5 AUTO/ROUTER OPERATION

The switch ⑩ selects the operation mode for the Ethernet network.

Switches		Behaviour of the Ethernet ports			
SEL	COM	Ethernet port 1	Ethernet port 2	Hager portal	KNX bus
Auto	on-line	**This relates to the normal operational mode when the configuration server is connected to an external router.** The 2 ports are interchangeable and configurable through DHCP or through a fixed IP. - For DHCP customers (factory setting default mode), the TJA665 expects an IP detection that originates from a DHCP server connected to a network (the router). If after 40 seconds no address has been allocated, the TJA665 automatically goes to the fallback address: 192.168.0.253 - For fixed IP detection, the server immediately takes into account the parameters defined in the "Server configuration - Internet" tab in the configurator setup menu: • Interface IP detection • Subnet mask • Default gateway address Attention: Even if there is an IP detection conflict on the network (other equipment that is already using the defined IP detection), the module does not automatically switch over to the fallback address.		Connected	Connected
	offline	This mode is a fallback mode in which the 2 ports are interchangeable. They are then automatically configured in the DHCP customer. - If an IP detection is not allocated by a DHCP server after 40 seconds, the configuration server automatically goes to the fallback address 192.168.0.253.		Disconnected	Disconnected
Router	on-line	**To be used when a PC is directly connected to the configuration server.** This mode activates the DHCP server that is built into the module. The 2 ports are interchangeable and configured with the following parameters: - Interface IP detection: 192.168.0.253 - Subnet mask: 255.255.255.0 - Default gateway address: 192.168.0.1		Connected	Connected
	offline	This mode is a fallback mode. The 2 ports are interchangeable and configured in the DHCP customer. - If an IP detection is not allocated by a DHCP server after 40 seconds, the configuration server automatically goes to the fallback address 192.168.0.253.		Disconnected	Disconnected

2.2.6 TECHNICAL SPECIFICATIONS

KNX supply	30 V= SELV KNX bus
External safety extra low voltage	24 V = via TGA200 or TXA114 Hager SELV supply or via PoE
Consumption on bus cable	10 mA max - 30 V =
Consumption on auxiliary supply	200 mA max - 24 V=
Typical consumption/Marking on the KNX bus	8 mA
Typical consumption/Marking on the 24 V Ethernet and USB not connected	100 mA
Maximum dissipation (24-V output)	5W
PoE supply consumption	50 mA
Date and time backup duration	Minimum 1 year
Ethernet network communication	2 x 100 / 1000 BaseT
Bus link ⑪	0.6 - 0.8 mm²
Supply connection ①	0.75 - 2.5 mm²
Ethernet/IP network jack ⑬ ⑭	2 x RJ45
Operating temperature	0°C —> + 45°C
Storage temperature	- 20°C —> + 70°C
Size	6 x 17.5 mm
USB2 interface ⑧ ⑫	2
Installation mode	DIN rail
Operational height	< 2000 m
Pollution level	2
Surge voltage	4 kV
Protection rating (casing) (sub-faceplate casing)	IP20 IP30
Shock resistance	IK04
Overvoltage category	III
Standards	EN 60950-1, EN 50491-3, EN 50491-5-2, IEEE 802.3 at, USB 2.0, Handbook KNX 2.1

3. INSTALLATION

The configuration tool must be linked to the installation in order to be able to define the parameters of a KNX installation.

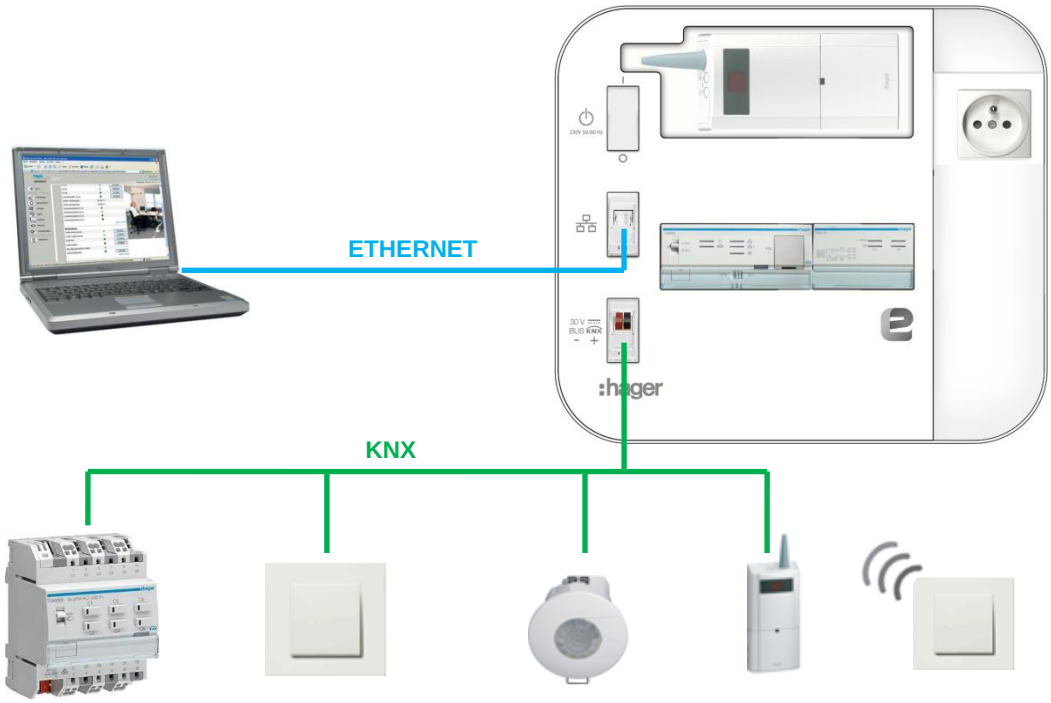
- Connect the configuration tool to the KNX bus and to the IP network if necessary (see chapter 3.1).
  Choose a place in the centre of the house so that the WIFI signal is sufficient.
- Switch on the configuration tool
- Connect to the configuration server using a user interface (PC, tablets, Smartphones, etc.) (see chapter 3.2).
- Check that the configuration tool software is up to date (see chapter 2.2.4).

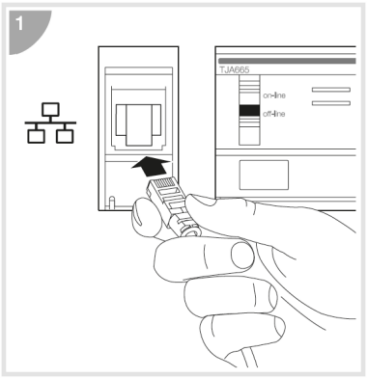
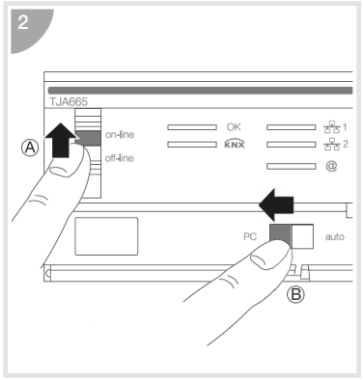
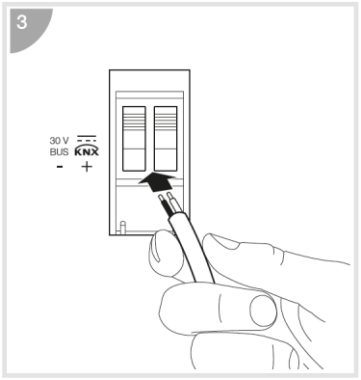
The configuration tool is now ready to configure the installation.

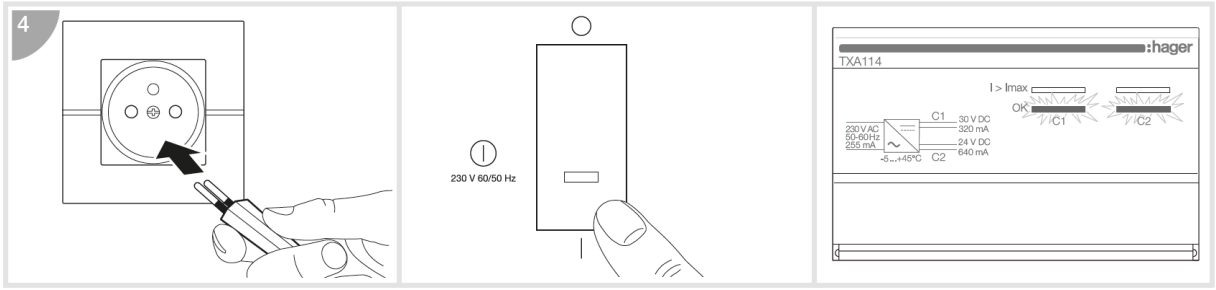
3.1 HARDWARE INSTALLATION

3.1.1 ETHERNET WIRED CONNECTION

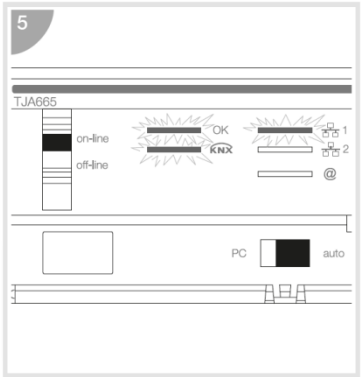
- **Wiring diagram**



		
Use the network cable to connect the Ethernet port on the PC to the RJ45 socket.	Set the vertical switch A on the TJA665 to the online position and the horizontal switch B located under the label holder to the PC position.	Connect the case to the installation's KNX bus via the connector.



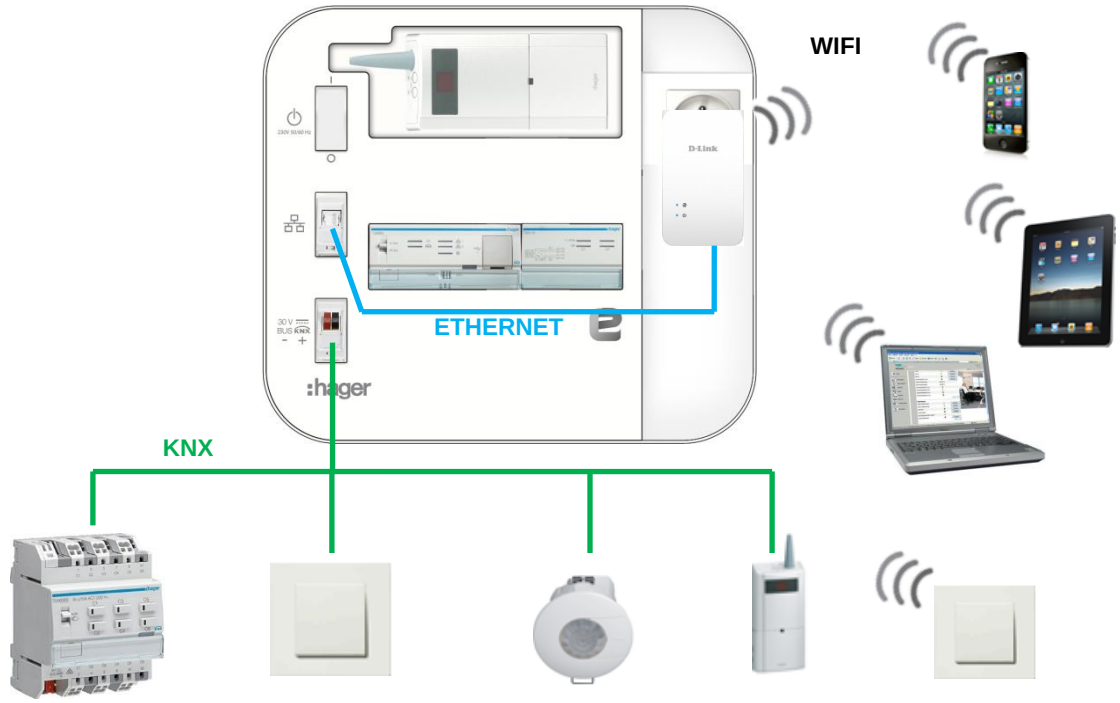
Connect the power cord 1 to a mains supply socket and switch on the case by pressing the switch: the OK, C1 and C2 LEDs on the TXA114 product are a steady green.

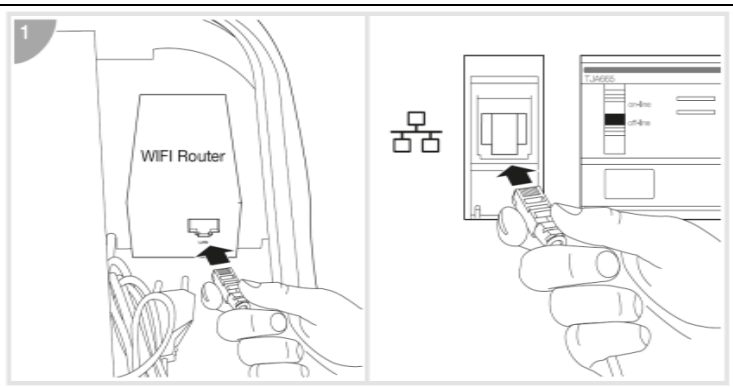
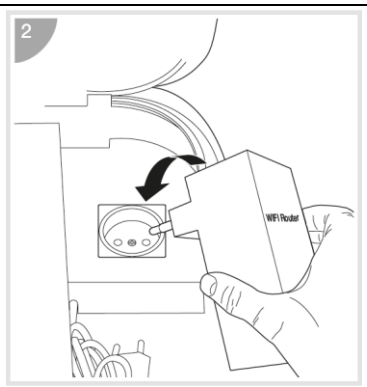


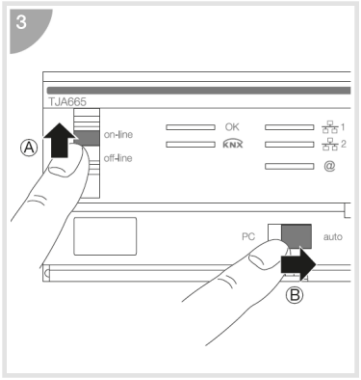
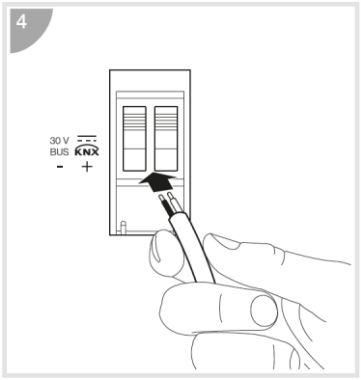
Once the OK, KNX and LEDs on the TJA665 are a steady green, connection to the installation is possible.

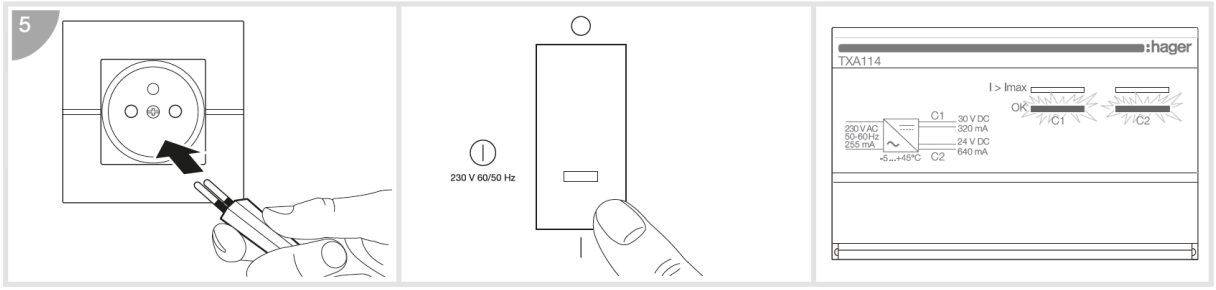
3.1.2 ETHERNET WIFI CONNECTION

- **Wiring diagram**

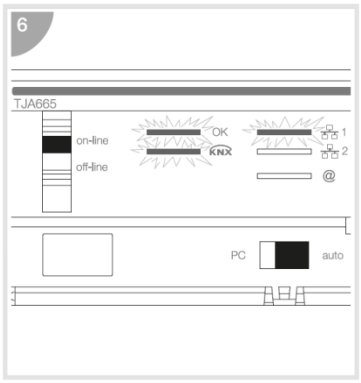


	
Use the network cable to connect the LAN port on the Wi-Fi router to the RJ45 socket.	Connect the Wi-Fi router to the power socket.

	
Set the vertical switch A on the TJA665 to the online position and the horizontal switch B located under the label holder to the auto position.	Connect the case to the installation's KNX bus via the connector.



Connect the power cord 1 to a mains supply socket and switch on the case by pressing the switch: the OK, C1 and C2 LEDs on the TXA114 product are a steady green.
Ensure that the Wi-Fi router is in router mode.



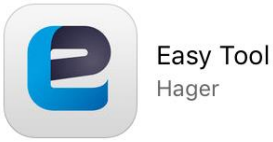
Once the OK, KNX and LEDs on the TJA665 are a steady green, connection to the installation is possible.

3.2 SOFTWARE INSTALLATION

3.2.1 LAUNCHER INSTALLATION

The launcher is a programme that enables the selection and quick start-up of the configuration tool.
This programme is available for IOS, Android and Windows.

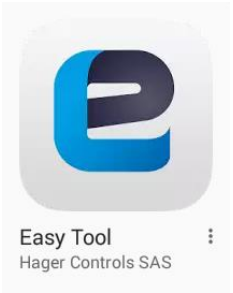
- **IOS**
  - Go to the Apple store
  - Search for the **Easy Tool** application



  - Select and install the **Easy Tool** application

  An **Easy Tool** icon appears on the desktop

- **Android**
  - Go to the Play store
  - Search for the **Easy Tool** application



  - Select and install the **Easy Tool** application

  An **Easy Tool** icon appears on the desktop

- **Windows**
  - Retrieve the **Easy Tool** installation programme (on the website).

- Install the **Easy Tool** application.

An **Easy Tool** icon appears on the desktop

➢ **Note:**

Installation of the **Easy** Tool program is not obligatory. The configuration server can be connected through a website (see chapter 3.2.3.4).

3.2.2 INSTALLATION WITH AN ETHERNET WIRED CONNECTION

- Open the **Easy Tool** application

A selection window for the configuration servers appears:

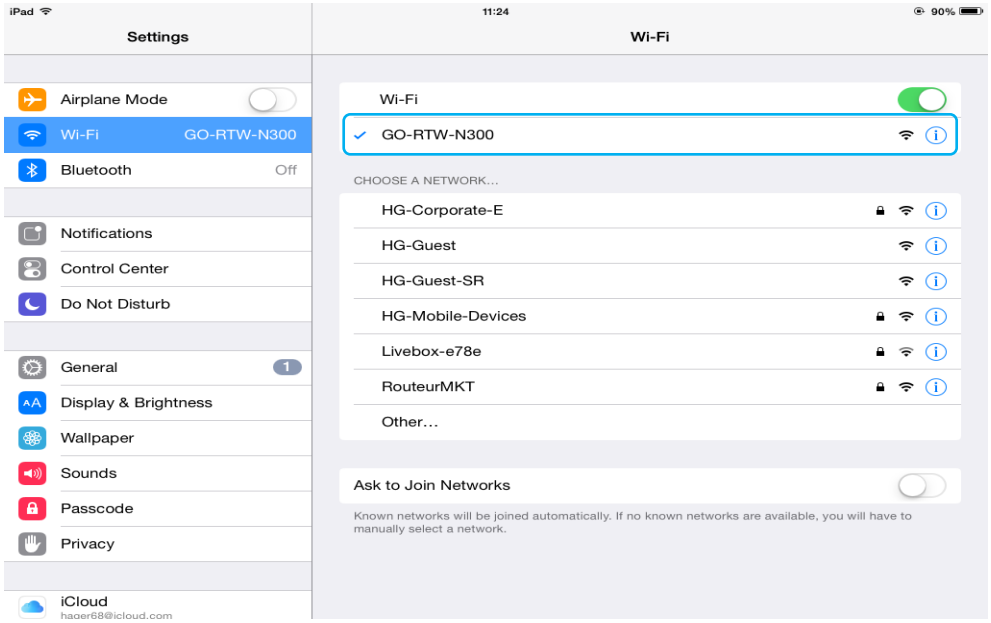
- Select the configuration tool server (TXA100)
- Confirm your selection

A home page appears on the screen (see chapter 3.3).

3.2.3 INSTALLATION WITH A WIFI CONNECTION

3.2.3.1 For IOS

- On your iPad or iPhone, go to the WIFI settings menu.



- Select the configuration tool WIFI router.
  Note: To edit the WIFI router SSID address, please refer to chapter 3.2.4.
- Open the **Easy Tool** application

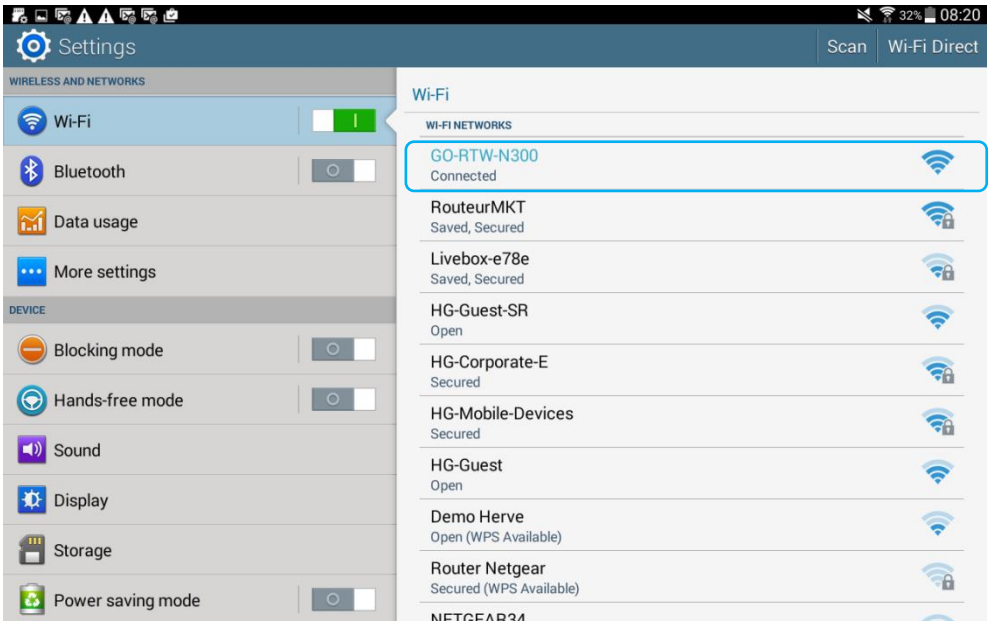
A selection window for the configuration servers appears:

- Select the configuration tool server (TXA100)
- Confirm your selection

A home page appears on the screen (see chapter 3.3).

3.2.3.2 For Android

- On your Smartphone or tablet, go to the WIFI settings menu.



- Select the configuration tool WIFI router.
  Note: To edit the WIFI router SSID address, please refer to chapter 3.2.4.
- Open the **Easy Tool** application

A selection window for the configuration servers appears:

- Select the configuration tool server (TXA100)
- Confirm your selection

A home page appears on the screen (see chapter 3.3).

3.2.3.3 For Windows

- Click the WIFI icon on your Windows desktop (on the bottom right)

- Select the configuration tool WIFI router.
  Note: To edit the WIFI router SSID address, please refer to chapter 3.2.4.
- Click Connect to confirm your selection.
- Open the **Easy Tool** application

A selection window for the configuration servers appears:

- Select the configuration tool server (TXA100)
- Confirm your selection

A home page appears on the screen (see chapter 3.3).

3.2.3.4 With a web browser

Installation of the **Easy** Tool programme is not obligatory. The configuration server can be connected through a web browser (OS compatibility: iOS 8, Android 4.4, Windows 8.1 - Browser compatibility: IE11, Chrome 35, Firefox 37).

To see the IP detection of the configuration server:

- Launch the web browser
- Type in the IP detection to connect to the WIFI router (usually 192.168.0.1 or 192.168.1.1), in order to find the IP detection of the configuration server.
- Search for the IP detection of the configuration server
- Type in the IP detection of the configuration server.

A home page appears on the screen (see chapter 3.3).

3.2.4 MODIFYING THE WIFI ROUTER NAME (SSID)

By default, the WIFI router always has the same SSID name. If there are several WIFI routers in the same radio wave, each one must have a different SSID name.

To modify the SSID name, complete the following steps:

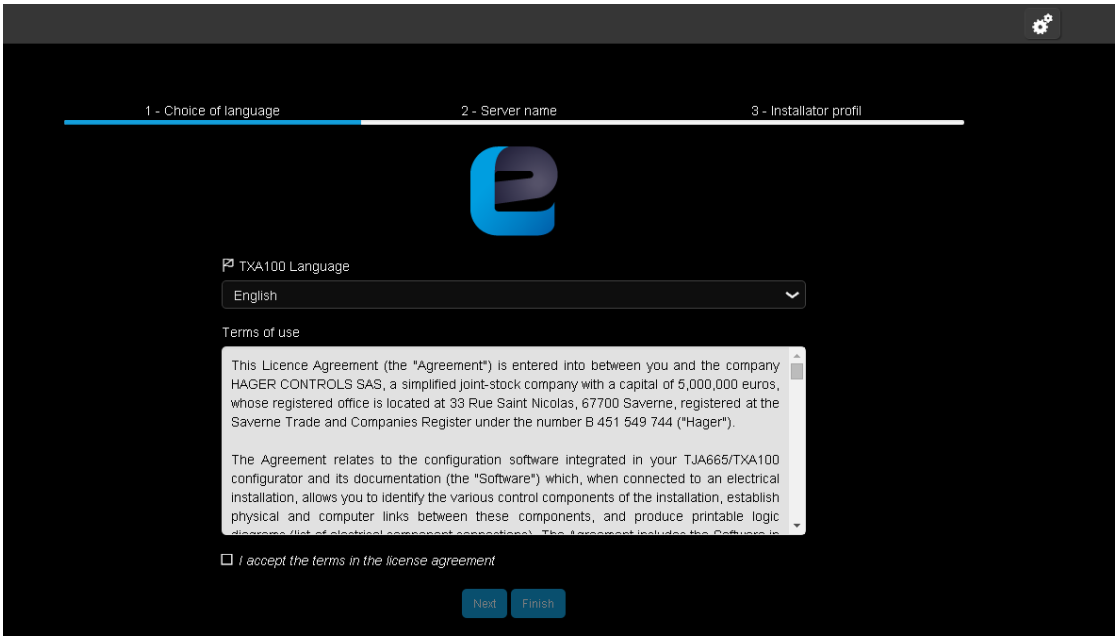
- Launch the web browser
- Type the IP address to go to the WIFI router settings (generally 192.168.0.1 or 192.168.1.1)
- Go to “WIRELESS” or “WIFI” topic
- Enter the new SSID name that you have chosen
- Save the configuration.

After entering it, you must reconnect your Smartphone, tablet or PC with the new SSID name.

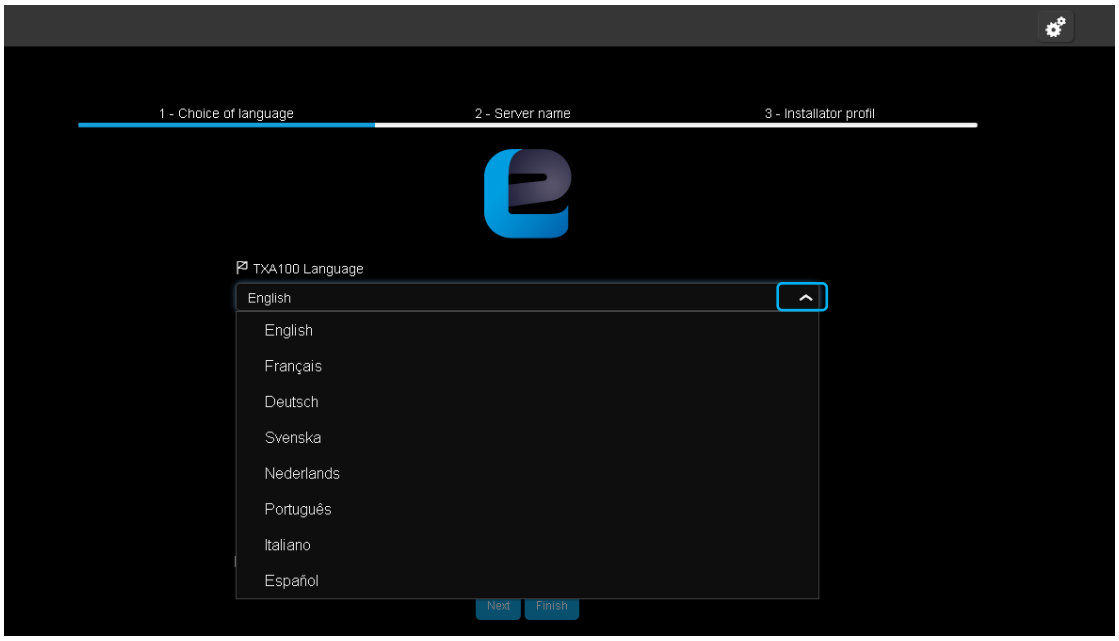
Look at the WIFI router instructions for further details.

3.3 FIRST START-UP

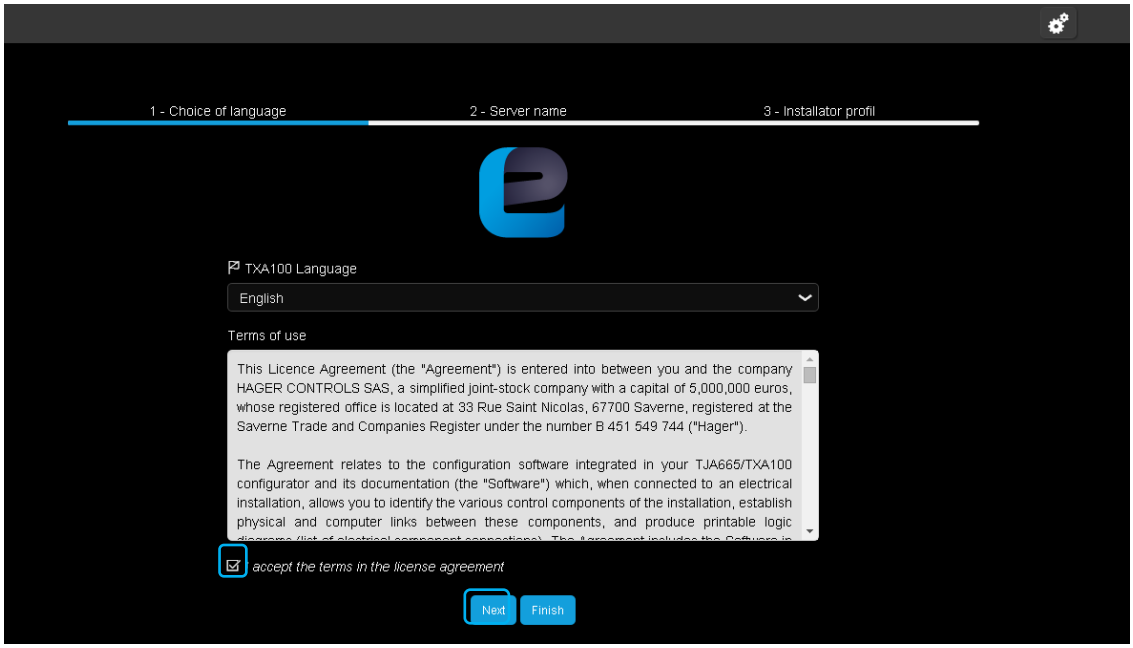
The following screen is displayed after selecting the server and during first use:



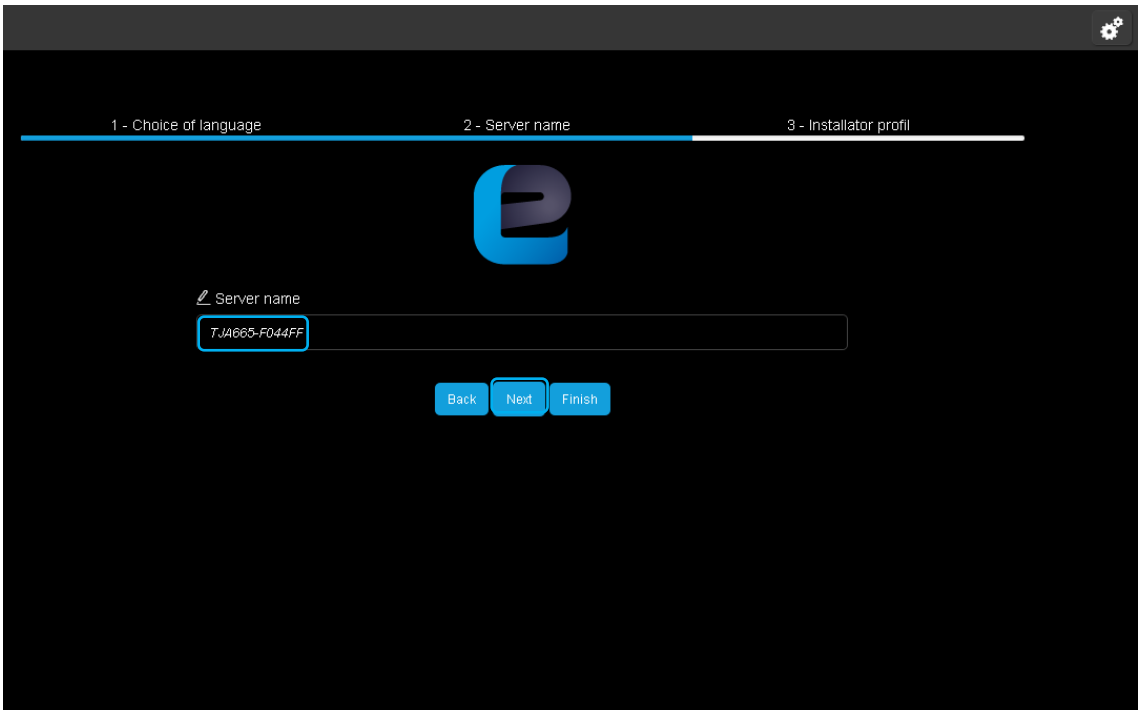
This procedure is carried out on first start-up to set the configuration server to your profile.



- Click to display the languages offered.
- Select the language used in the configuration server menus.



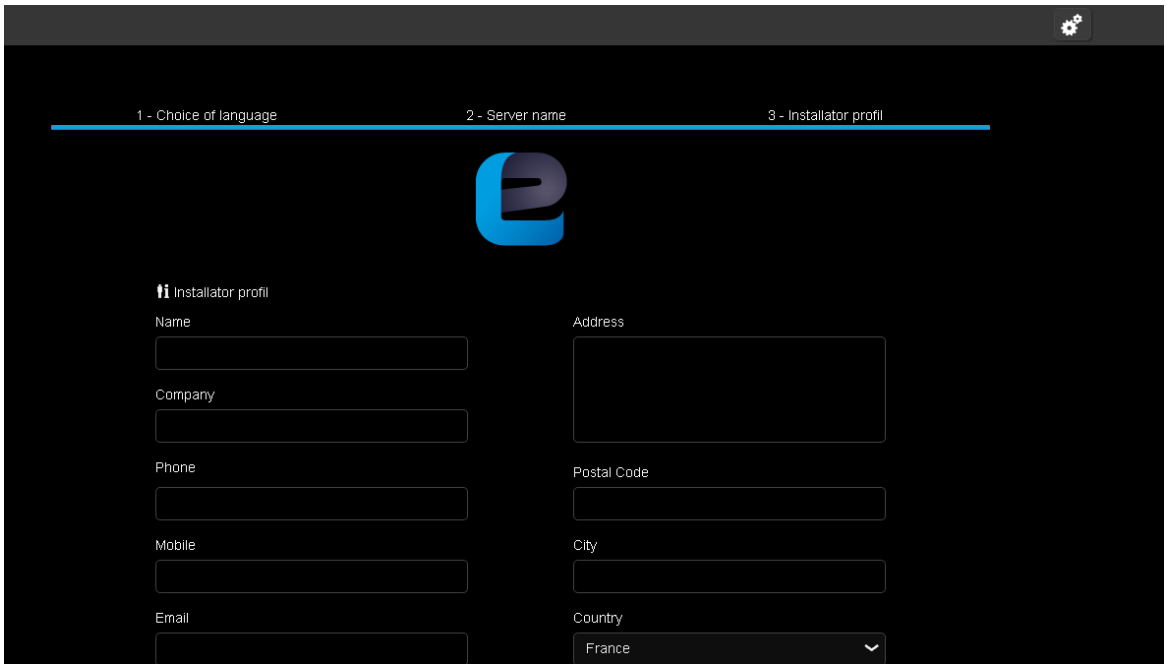
- Accept the licence terms of use.
- Click **Next**.



By default, the server name corresponds to the product's commercial reference, along with a unique code number assigned in the factory.

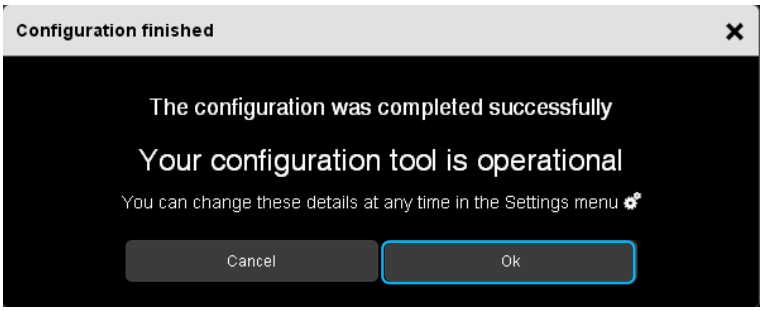
To change the server name, edit the relevant field.

- Click **Next**.



This profile is for the owner of the configuration tool. It will be used when configuration documents are generated to be sent to the owner of the configured installation.

- Complete the Installer profile.
- Click **Finish**.



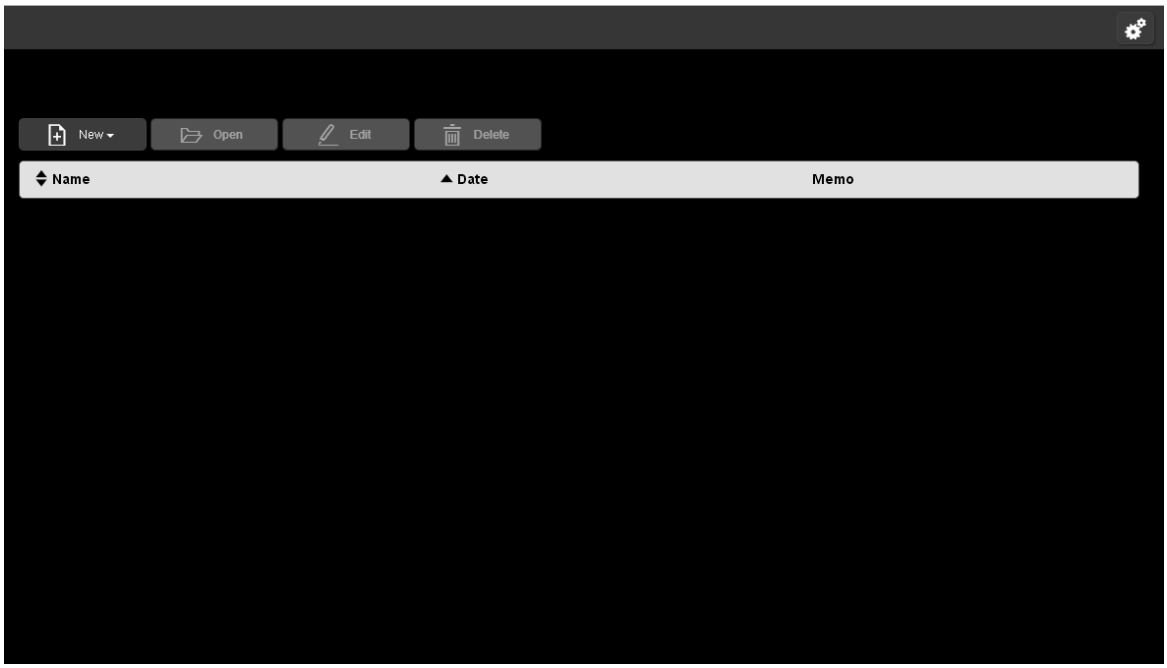
A "Configuration finished" window is displayed.

Your configuration tool is operational.

- Click **OK** to exit this window.

> ➢ **Note:**
> These modifications can also be made via the configuration menu .

The installations window displays:



This will be the start-up page by default for future connections.

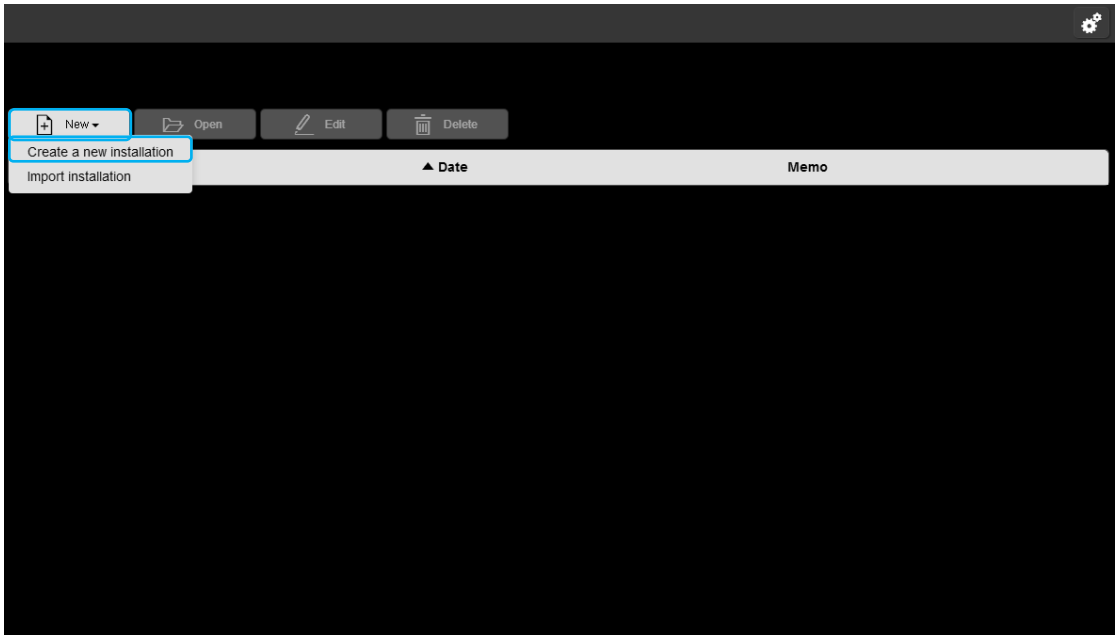
➢ **Note:**
The configuration tool allows access for up to two simultaneous connections (2 individual screens). This feature enables 2 users to access the settings at the same time.

4. MY INSTALLATIONS

This section allows you to create a new installation, to select an existing installation or to import a backed up installation. A maximum of 10 installations (or projects) can be stored on a configuration server.

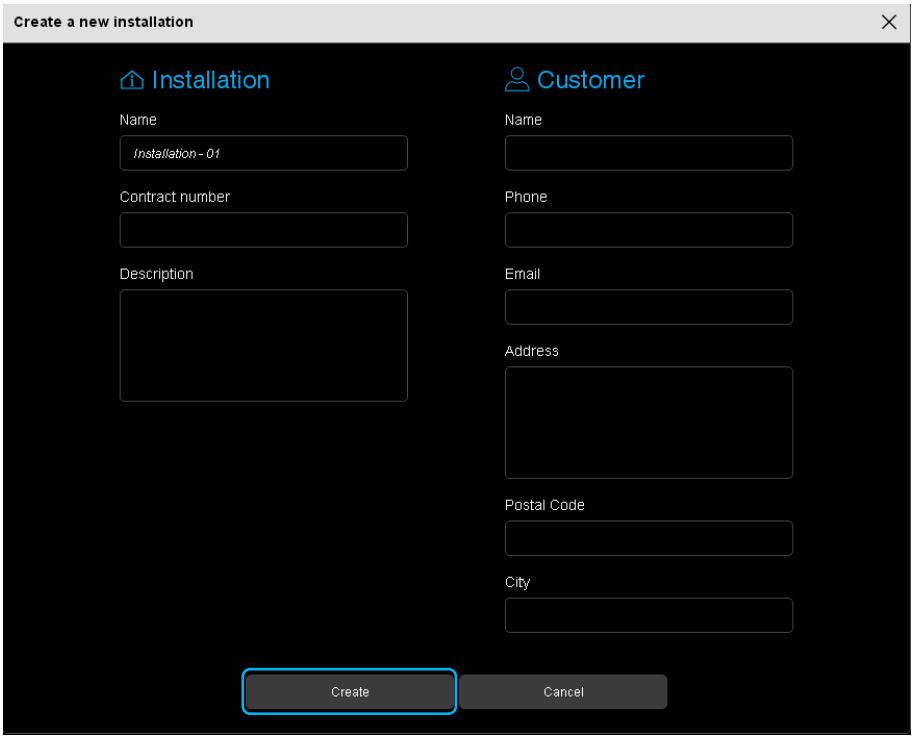
> ➢ **Note:**
>
> It is important that you supply an electrical wiring diagram so that the wiring for the output products can be tracked.

4.1 CREATING A NEW INSTALLATION



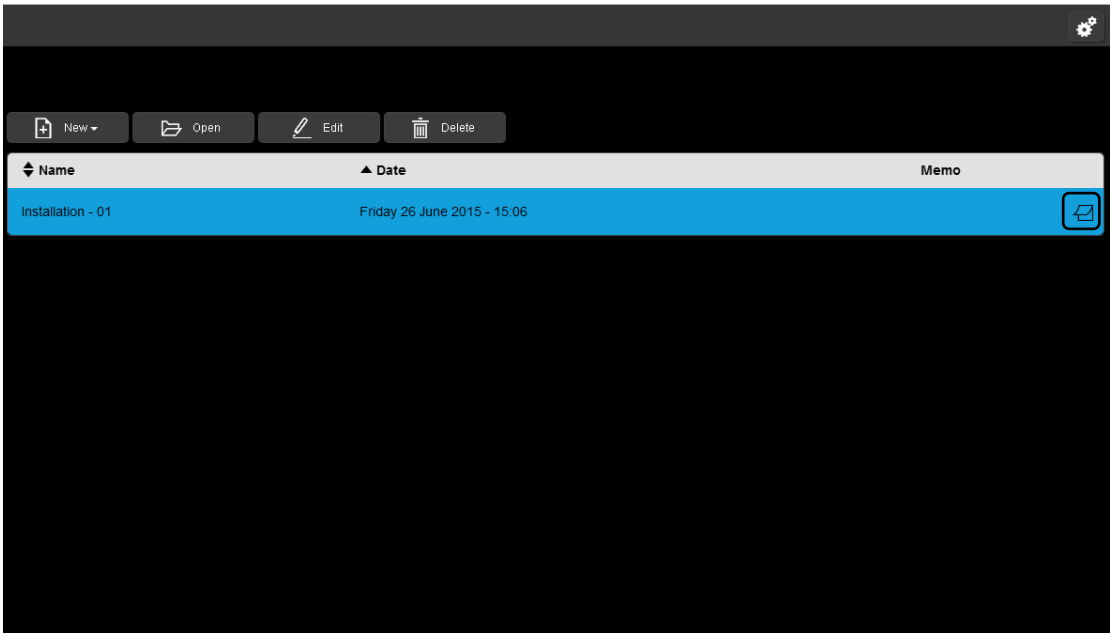
- Click **New**; a scroll-down list appears.

- Click **Create a new installation**.



This profile is for the residence owner. It will be used when configuration documents are generated to be sent to the owner of the configured installation.

- Fill out the information required to create an installation.
- Click **Create** to finish creation.



The created installation is displayed in the configuration server.

- Click to add a memo for tasks to be completed.

The memo lets you enter some comments on the installation.

For example, you can enter a memo indicating the date of product discovery or the date that the links were completed.

A "Memos" window is displayed.

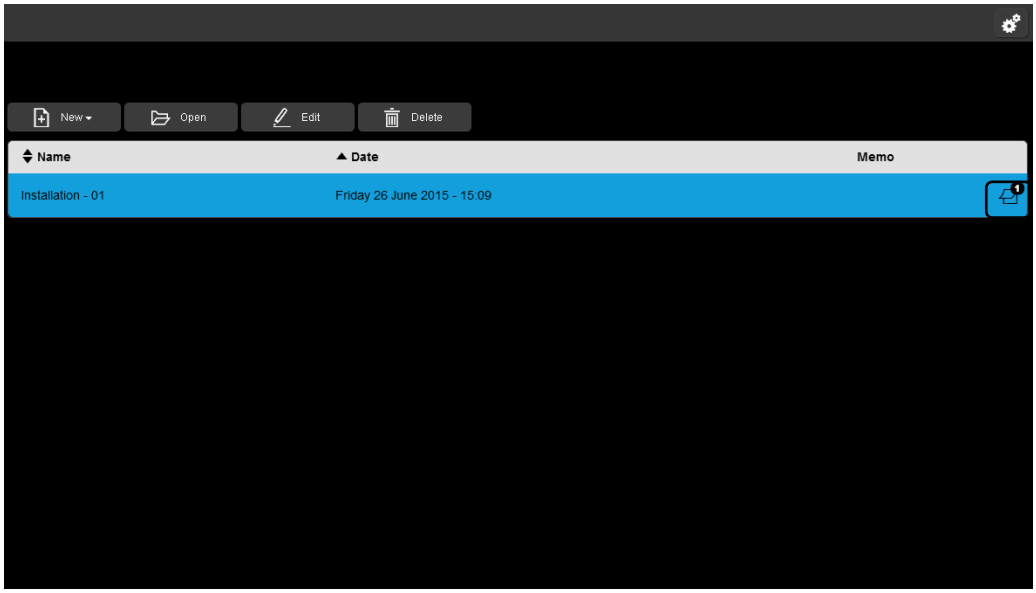
- Click **New**

- Write down the remaining tasks to be completed as a reminder.
- Click **Save**.

Once the task is added, the task summary can be found at the bottom with the date and time it was entered.

- Click to close the window.

➢ **Note:** To delete the memo, click .



A number is allocated to the memo on the installations view.

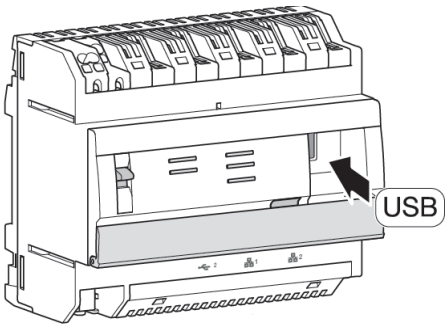
4.2 IMPORTING DATA

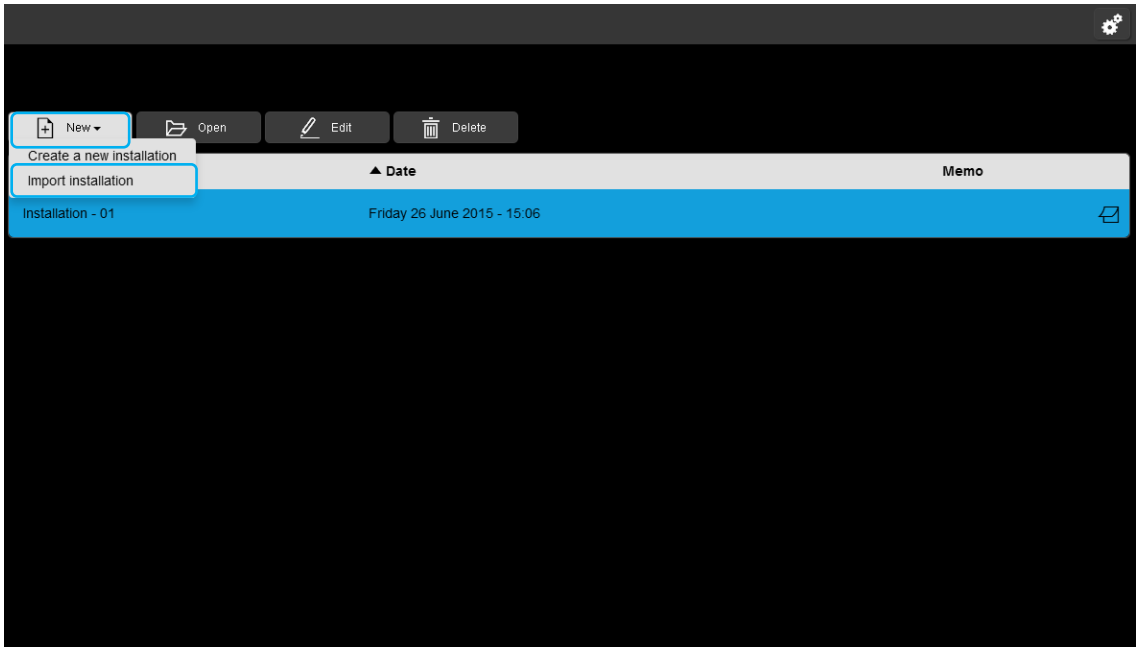
The existing settings can be imported from an installation's export file. There are different import types:
- The old TXA100 installation to be resumed or completed
- Installation carried out with a TX100 tool.

Importing can be performed from a tablet or Smartphone by connecting a USB key to the configuration server, or from a PC.

4.2.1 FROM A TABLET OR SMARTPHONE

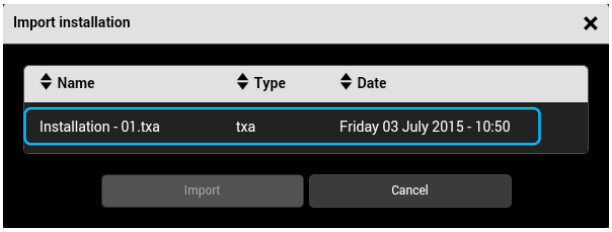
- Insert the USB key containing the backed up file of settings into one of the configuration server's USB ports.





- Click **New**; a scroll-down list appears.
- Click **Import installation**.

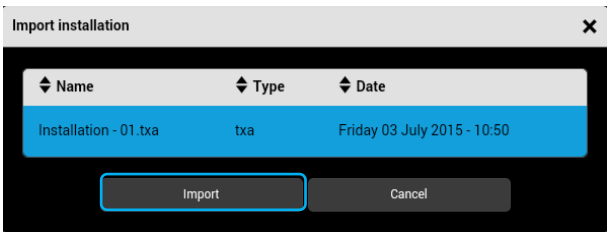
An "**Import installation**" window appears:



A list of backed up settings appears:

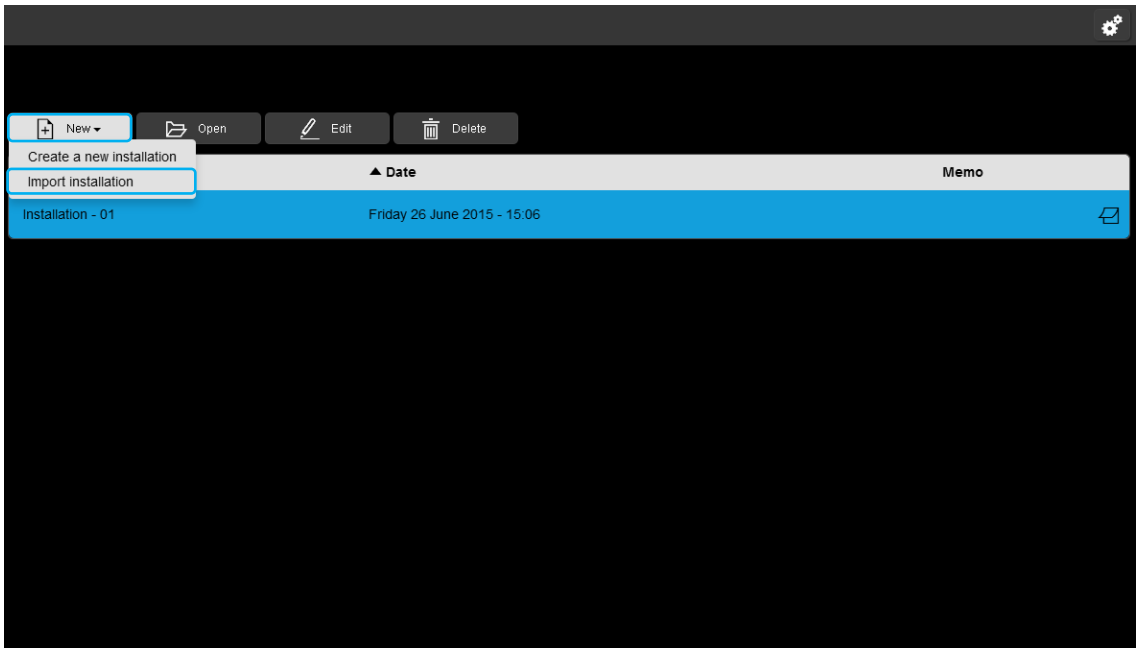
- Select the backed up setting file to import.

> ➢ **Note:**
>
> The installation to import is in **".txa"** (TXA100 file) or "**.txh**" (TX100 file) format.



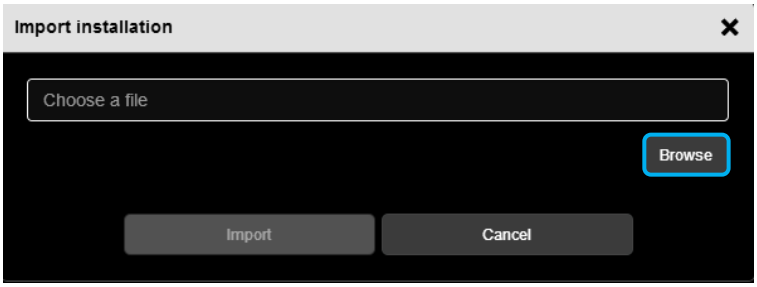
- Once the file is selected, click **Import**.
- When import is finished, remove the USB key.

4.2.2 FROM A PC



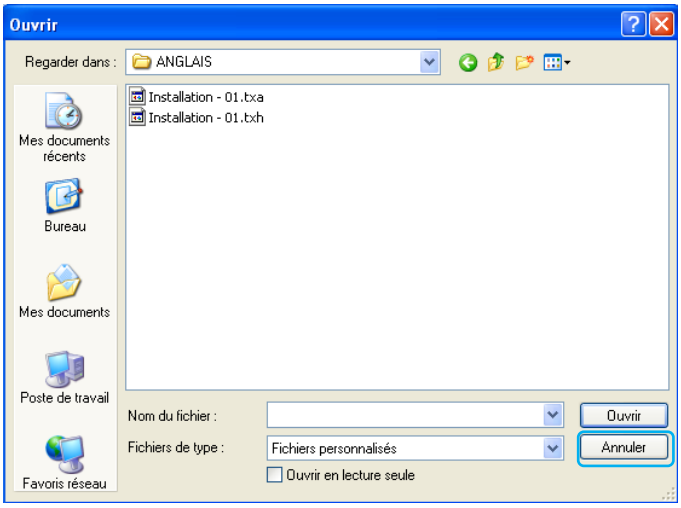
- Click **New**; a scroll-down list appears.
- Click **Import installation**.

An "**Import installation**" window appears:



- Click **Browse** to select the installation file to import.

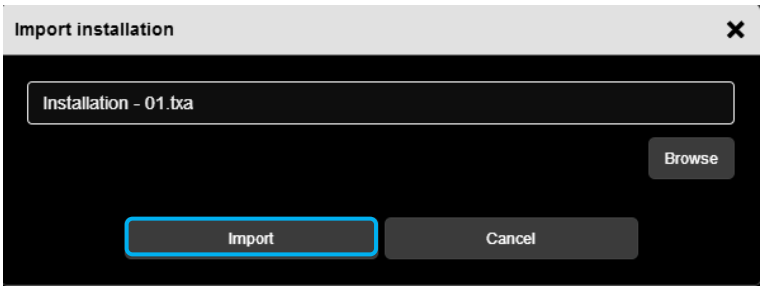
A window appears:



- Select the desired installation file and click **Open.**

➢ **Note:**

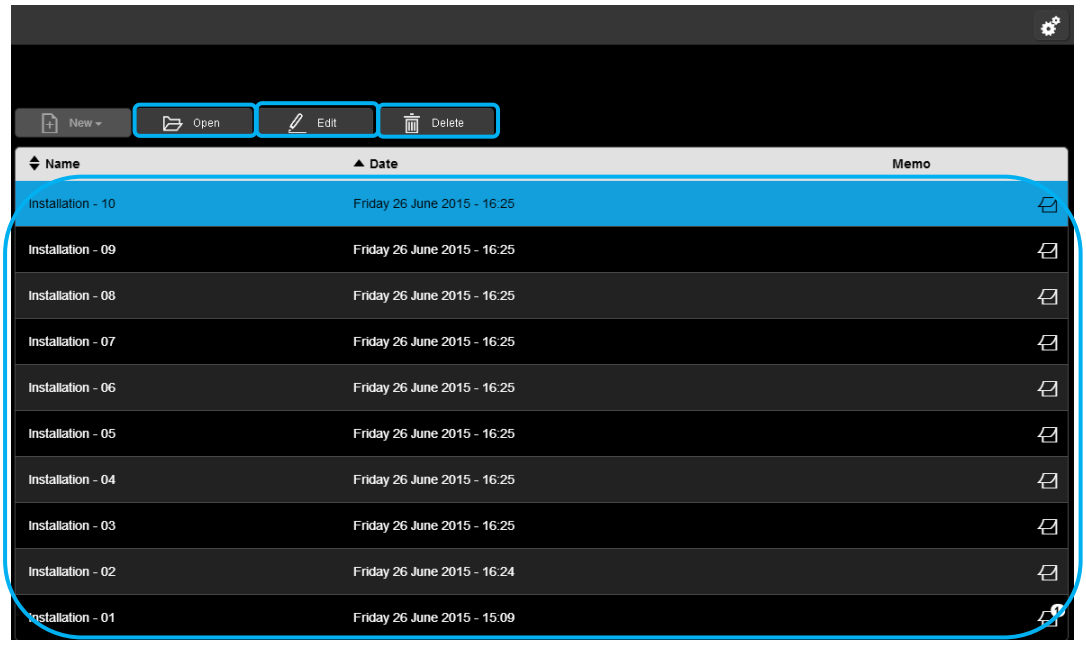
The installation to import is in **".txa"** (TXA100 file) or "**.txh**" (TX100 file) format.



Once the file is selected, click **Import**.

4.3 OPENING AN INSTALLATION

Several projects can be stored in the configuration server.

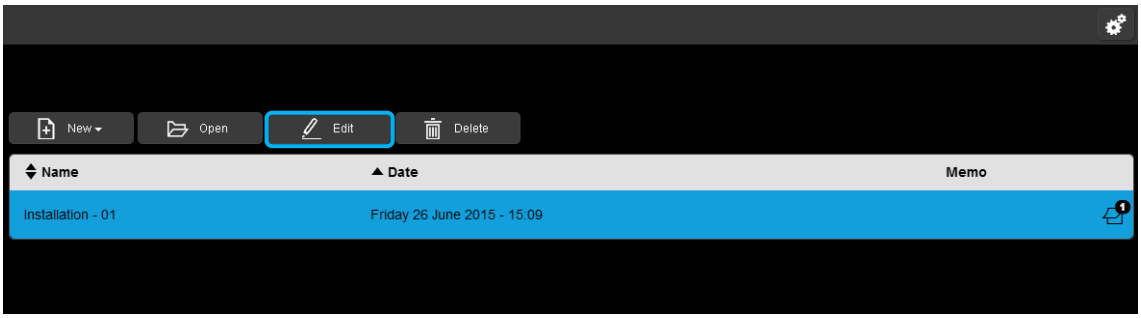


- Select a project and click on the desired tabs:
  - ✓ **Open**: The installation setting can be accessed from here. This allows you to view, configure and modify an installation.
  - ✓ **Edit**: Information on the installation can be modified from here. This profile is for the residence owner. It will be used when configuration documents are generated to be sent to the owner of the configured installation.
  - ✓ **Delete**: Back up of an installation's settings is deleted from the configuration server's internal memory.

➢ **Note:**
A maximum of 10 installations (or projects) can be stored on a configuration server. It is therefore important to regularly back up installations to an exterior back-up support (see chapter 8.4.1).

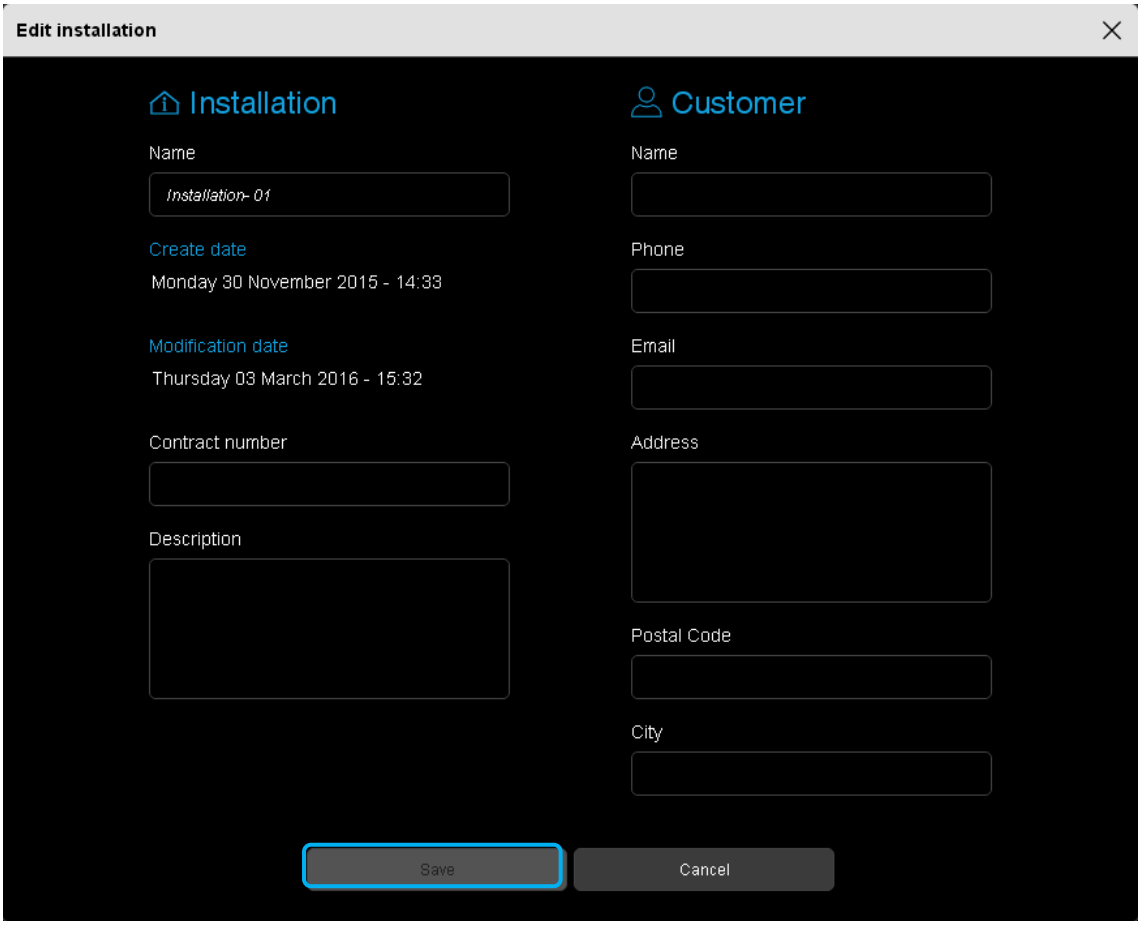
4.4 EDITING AN INSTALLATION

Information on the installation can be modified from here. This profile is for the residence owner. It will be used when configuration documents are generated to be sent to the owner of the configured installation.



To modify an existing installation, click **Edit.**

An "Installation modification" window opens:



- Modify the desired fields.
- Click **Save** to save the data.

5. PRODUCT SEARCH

This section allows you to index all products connected to the KNX network and known by the configuration tool.

5.1 ANALYSING THE INSTALLATION TO FIND CURRENT PRODUCTS

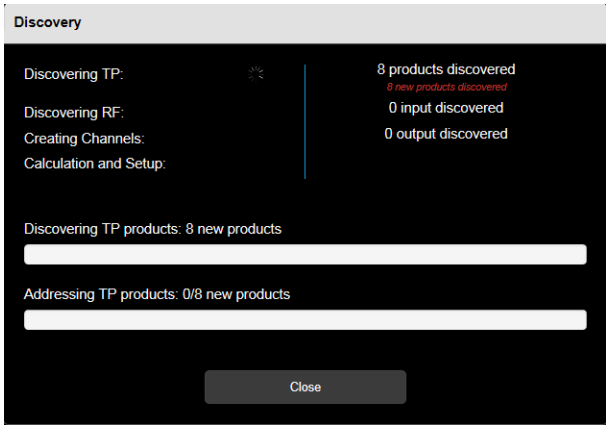
There are 2 methods for searching for products:

- In a new installation: a window to scan products appears, as no product is present in the installation.
- In an existing installation: for scanning products added to the installation.

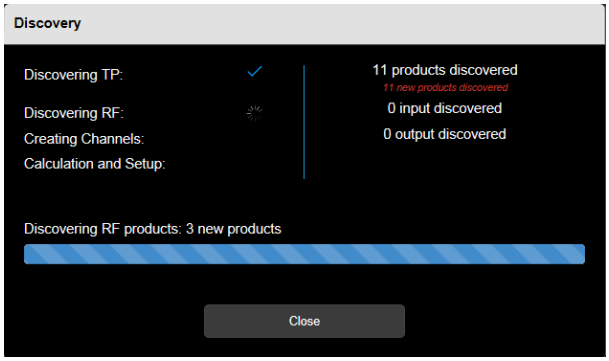
5.1.1 NEW INSTALLATION

- Click **Start discovery** to search for different products in an installation.

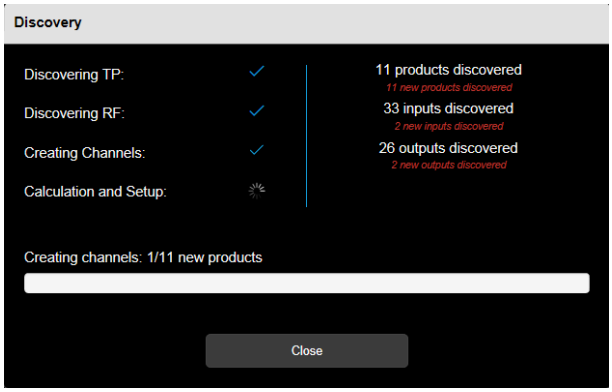
The following windows are displayed:



The configuration tool is searching for different TP products.

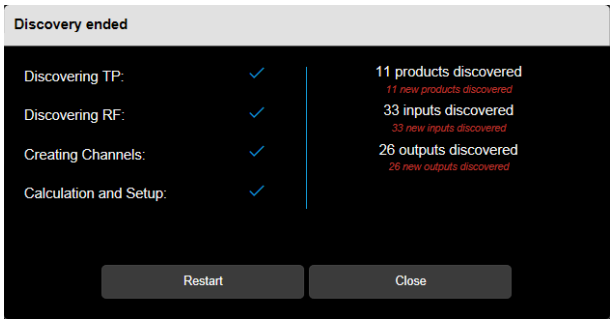


If the configuration tool or installation has a TR131 media coupler, a search for the different RF products will be completed.

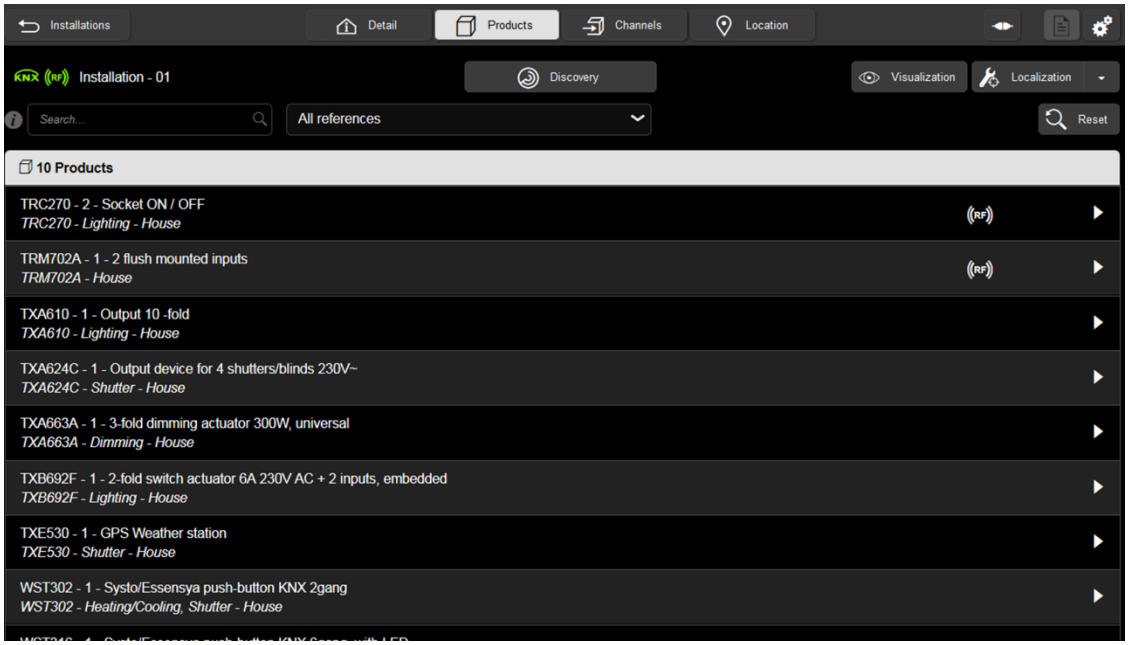


The configuration tool has found different products.

It is currently searching for inputs and outputs associated with the product.

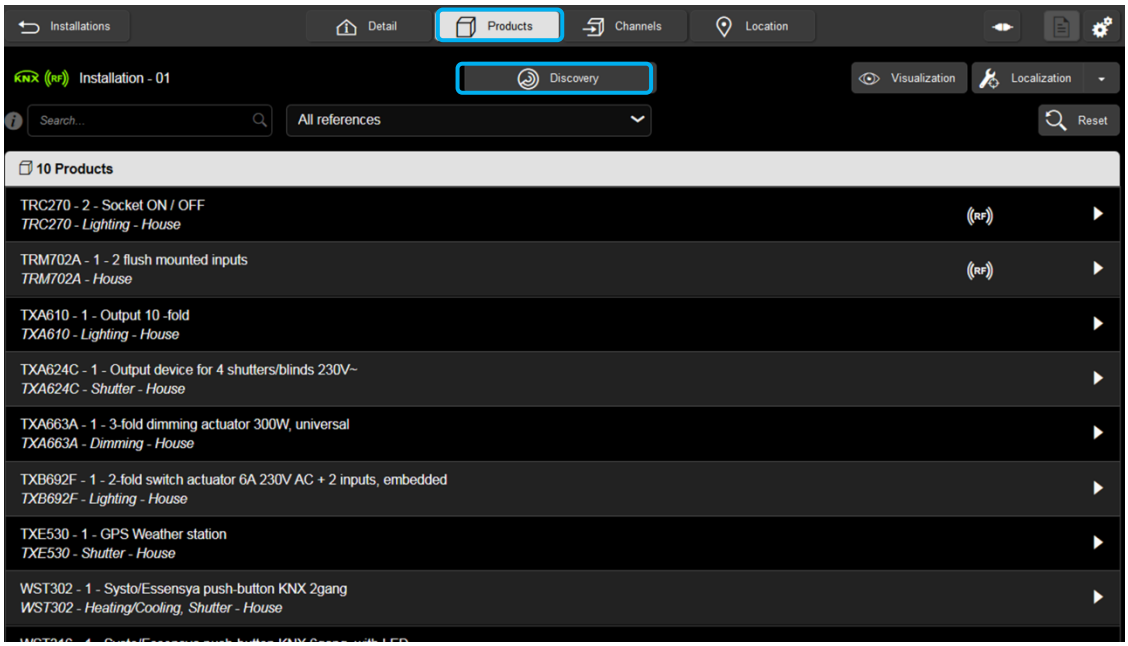


The window shows a certain number of products detected as well as the number of associated inputs and outputs.



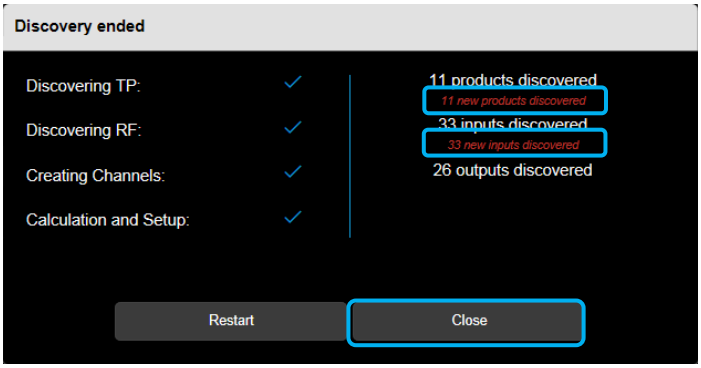
At the end of the search, the configuration tool displays the list of products found.

5.1.2 EXISTING INSTALLATION



- Click on the **Products** tab.
- Click **Start discovery** to detect products added to the installation.

The following window appears:



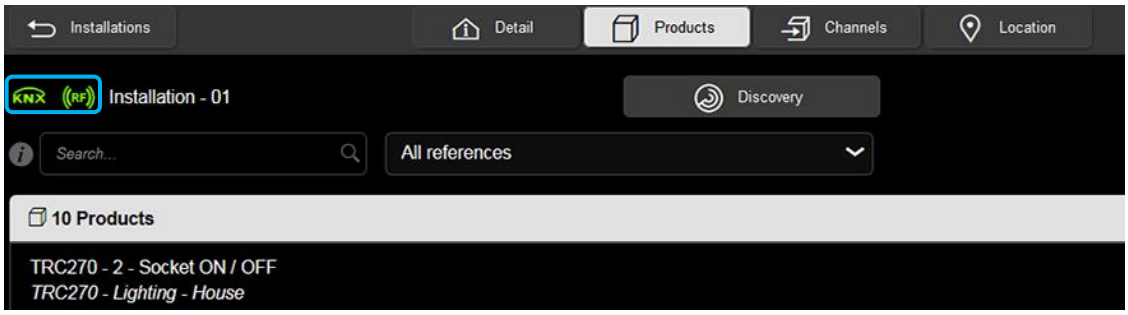
The red window shows a certain number of new products detected as well as the number of associated inputs and outputs.

Once the installation is discovered, click **Close**.

> ➢ **Note:**
>
> Only products with their factory settings can be discovered.
>
> For a product that has already been set in a previous installation, return the product to its factory settings if

5.2 INDICATORS OF KNX AND RF CONNECTION

Symbols enable continuous monitoring of the status of the KNX TP or RF bus.



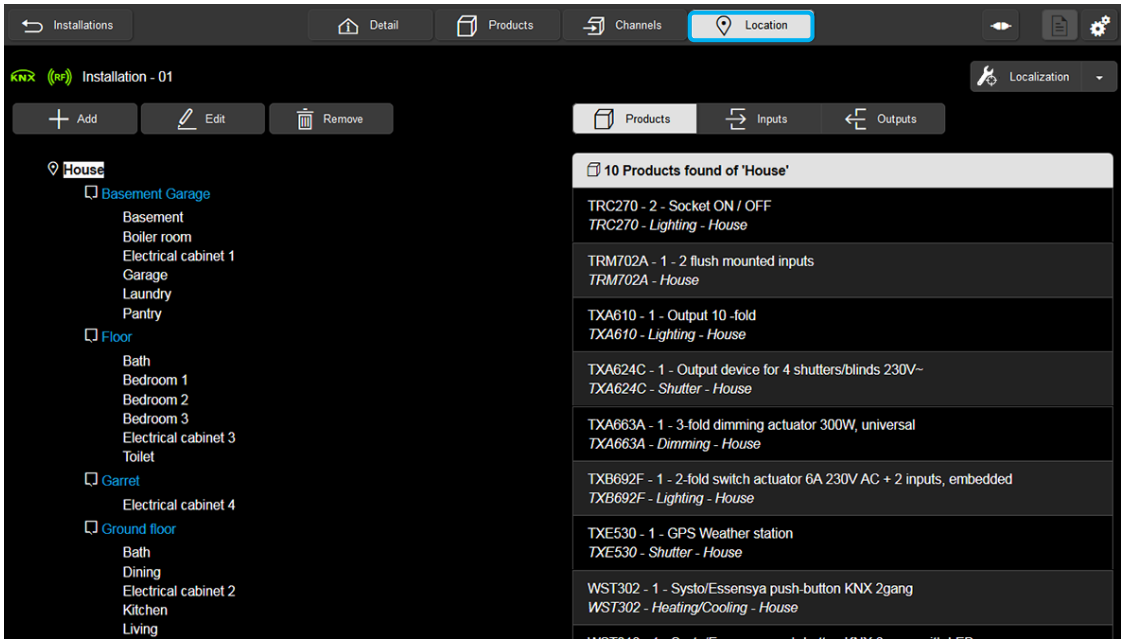
KNX	The TXA100 configuration tool is properly connected to the KNX bus
KNX	The TXA100 configuration tool is not connected to the correct bus or is in Offline mode
KNX	The TXA100 configuration tool is not properly connected to the KNX bus

RF	The media coupler is correctly connected
RF	The media coupler was detected but was not connected to the project or the TXA100 configuration tool is in Offline mode
RF	The media coupler for the project cannot connect to the TXA100 configuration tool

5.3 DEFINING THE RESIDENCE STRUCTURE

The residence structure enables configuration of different rooms present in the installation.

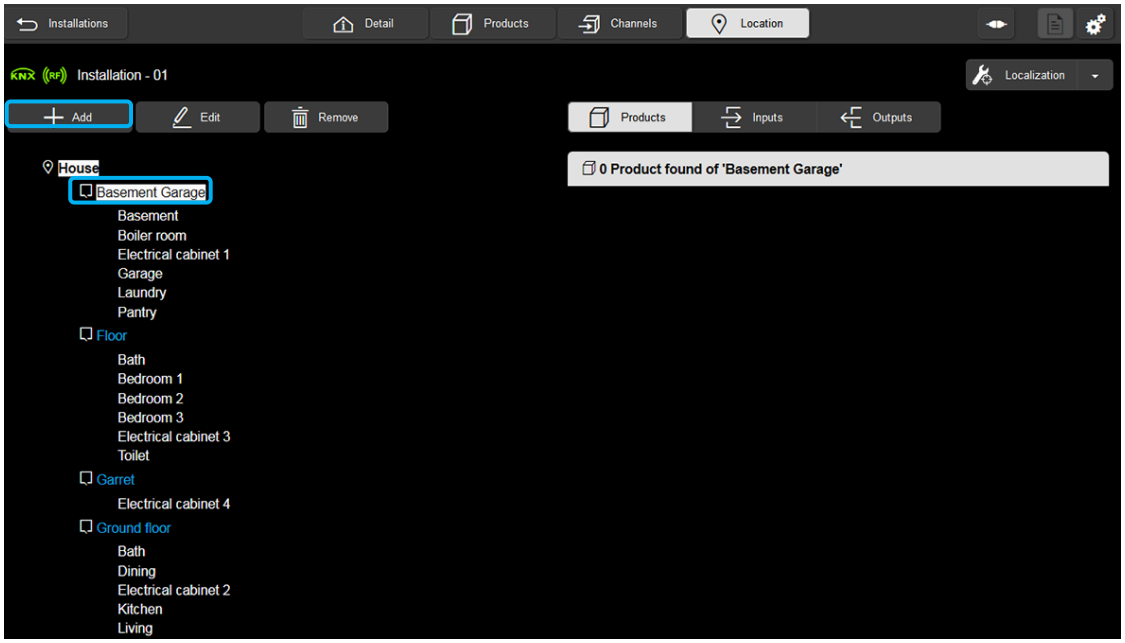
This step will subsequently allow you to assign a product or a channel to a room for an ergonomic perspective. These allocations may also be exported to Domovea where they will be recovered. A structure is offered by default but can be modified as needed.



5.3.1 MODIFYING THE RESIDENCE STRUCTURE

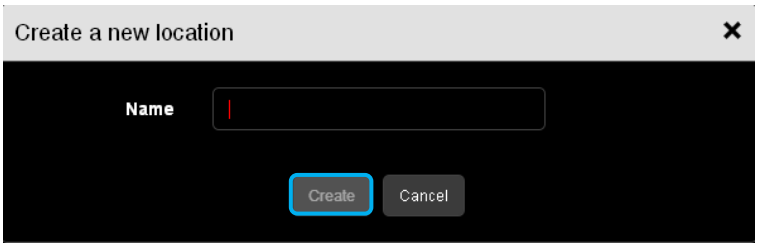
- Click the **Location** tab to see the architecture.

The **Add** button enables creation of a room.



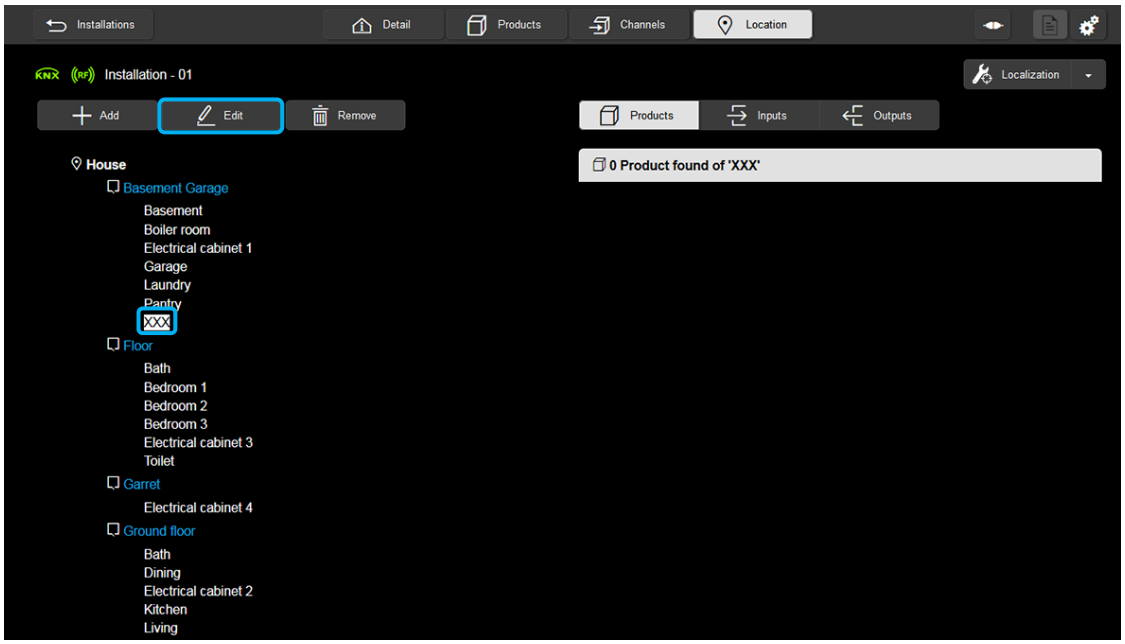
- Select the level at which a room must be added. This level determines the addition of a step, a room or part of a room. A maximum of 4 levels can be set.

- Click **Add**; a "Create a new location" window appears:



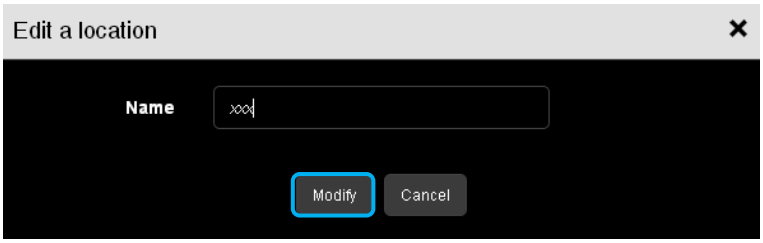
- Add the name of the new room and click **Create**.

The **Edit** button allows you to modify the name of a room that has already been created.



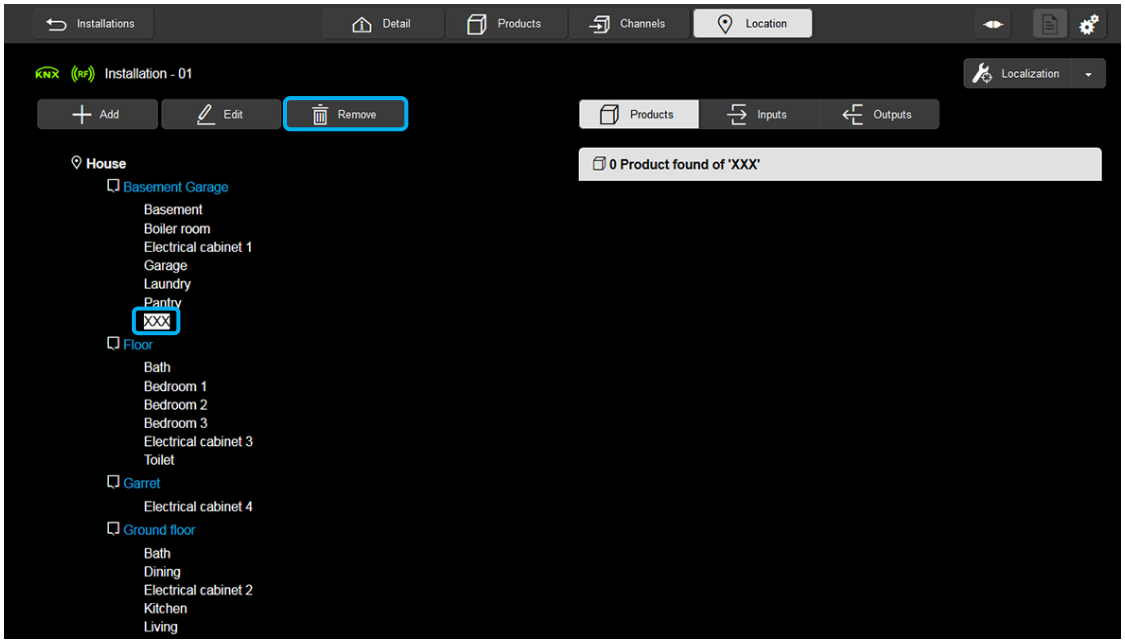
- Click **Edit**.

An "Edit a location" window appears:



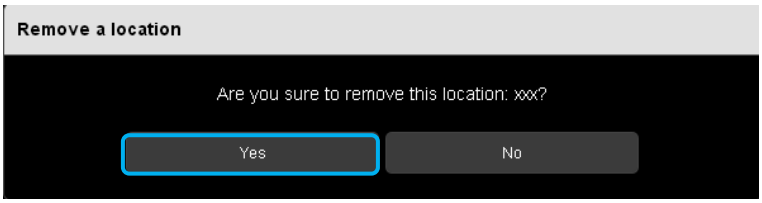
- Modify the room name and click **Modify**.

The **Delete** button allows you to delete a room.



- Select the room to be removed.
- Click **Delete**.

A "Remove a location" window appears:

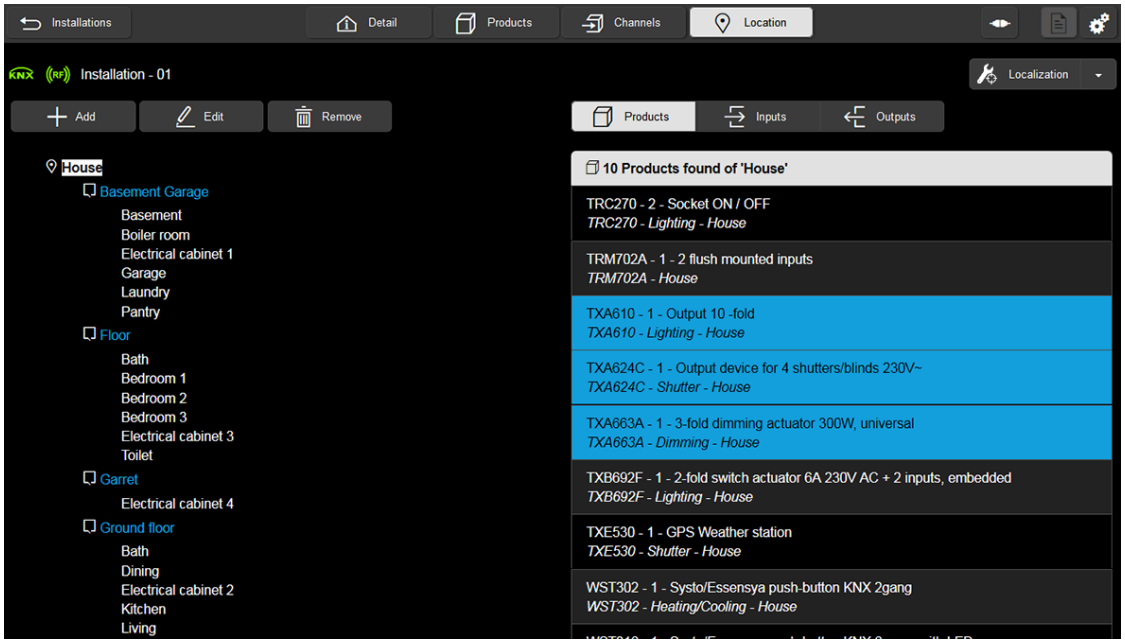


- Click **Yes** to confirm deletion.

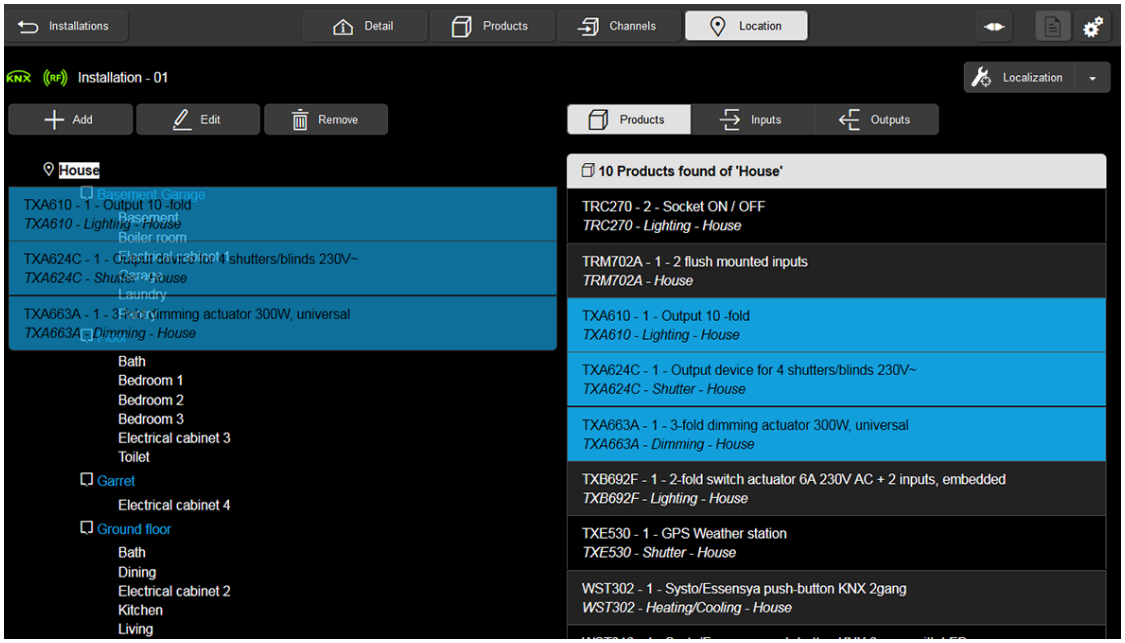
5.3.2 ASSIGNING THE PRODUCT OR CHANNEL

This section enables a product or channel to be assigned to a room more easily. A Drag and Drop feature allows you to assign a product group or set of inputs and outputs to a given location all at once.

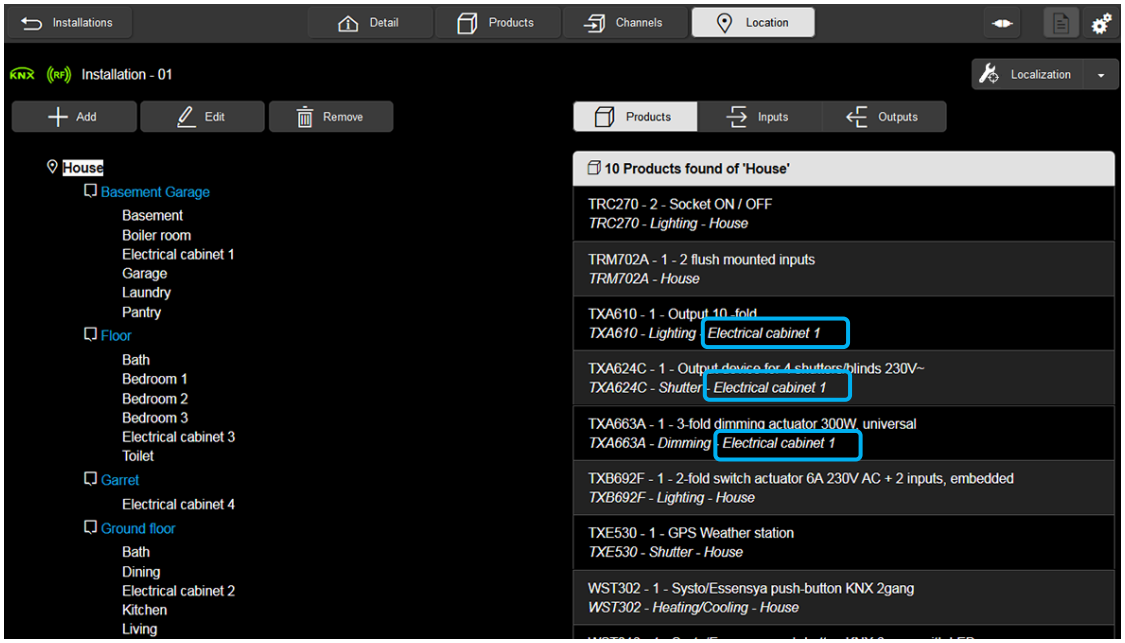
- Assigning products



- Click **Products.**
- Choose which products to assign.



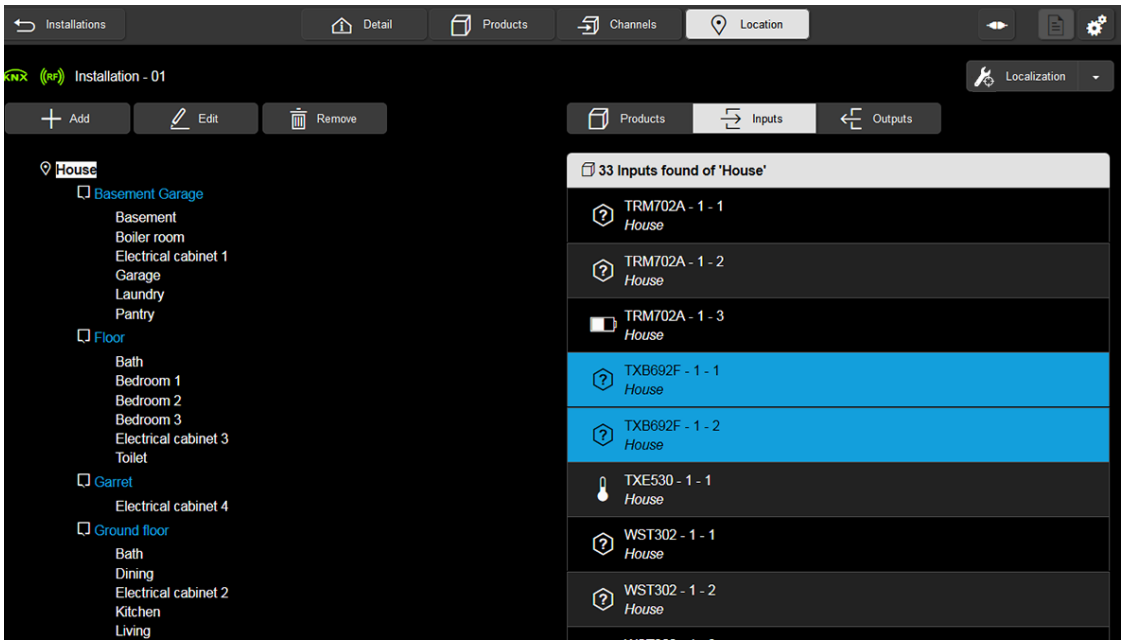
- Drag and Drop them to the chosen location.



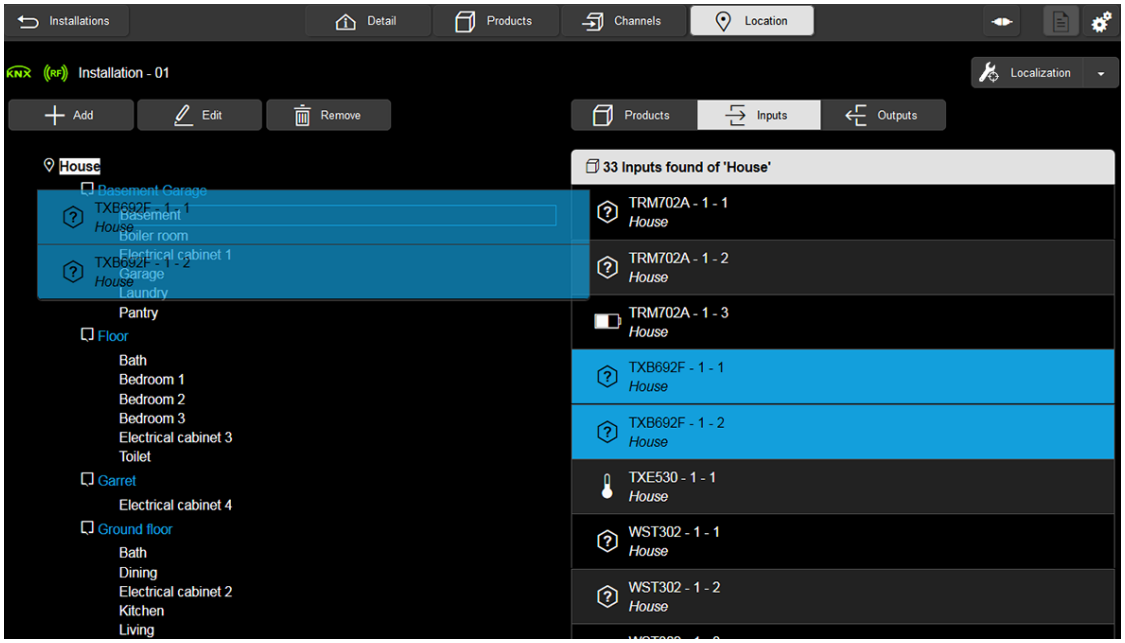
The way the selected products were assigned has been modified.

Note: The way in which the associated inputs and outputs were assigned to the product has also changed.

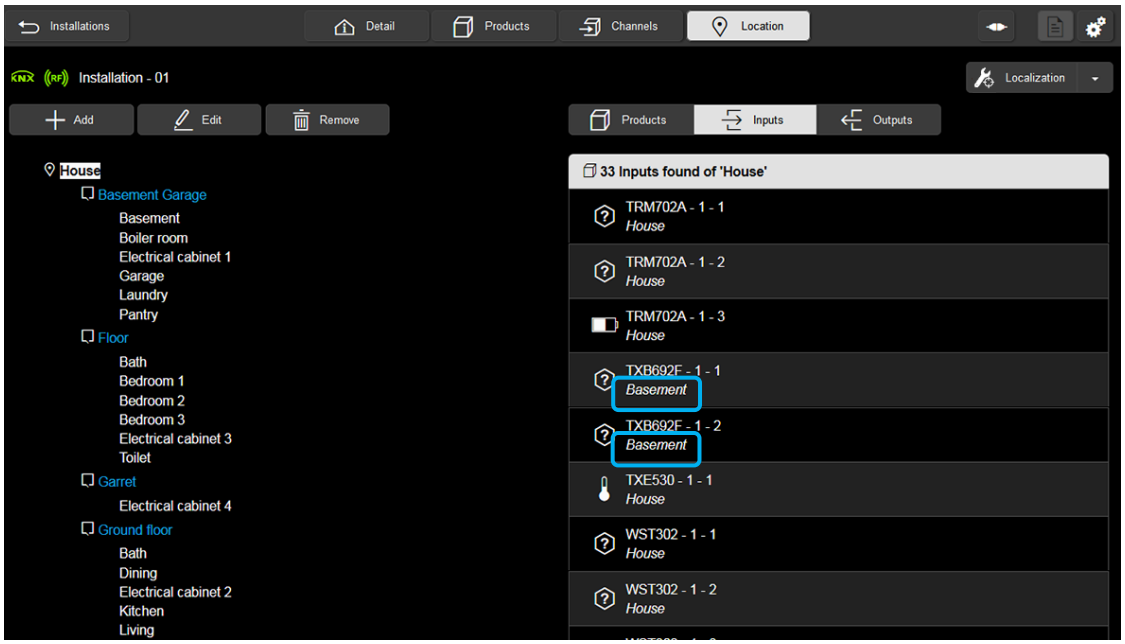
- Assigning inputs



- Click **Inputs.**
- Choose which inputs to assign.

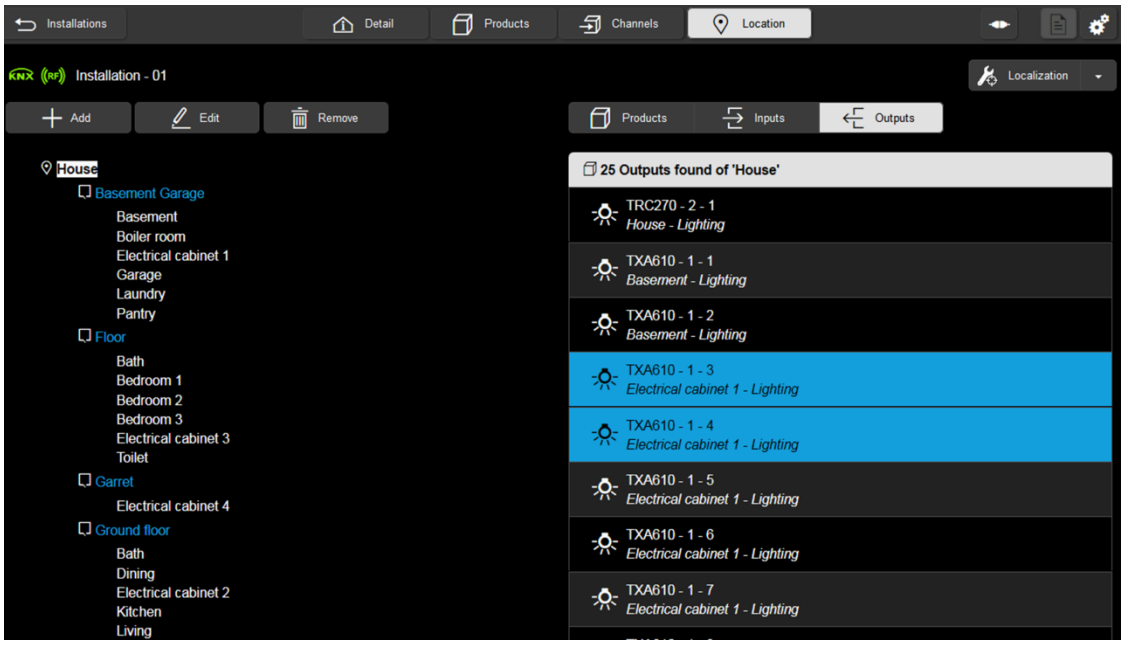


- Drag and Drop them to the chosen location.

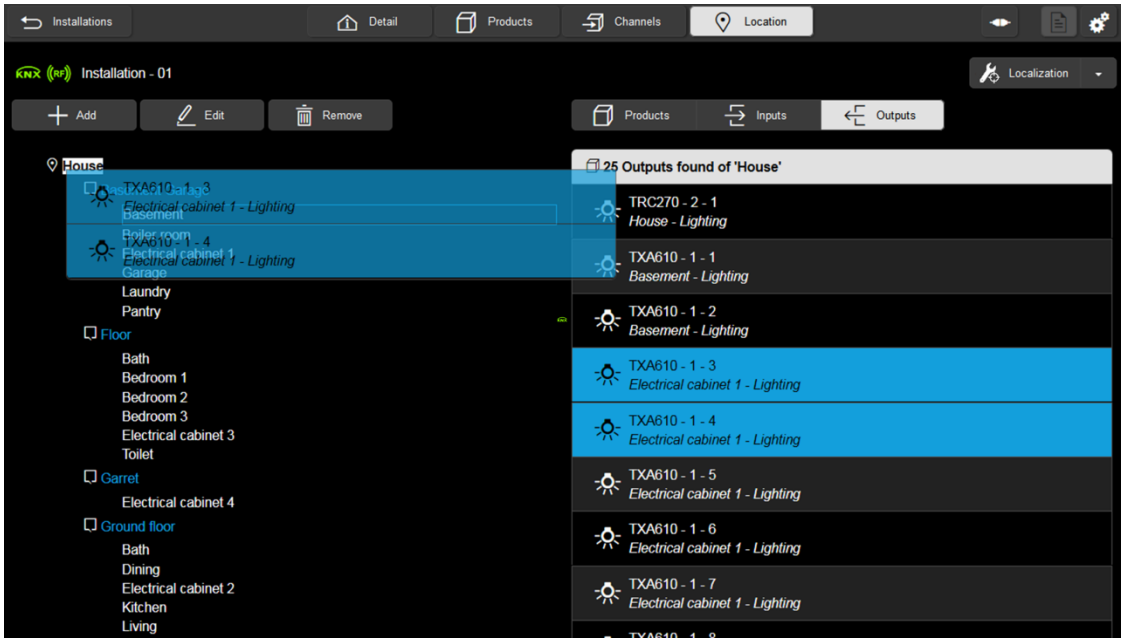


The way in which the selected inputs were assigned has changed.

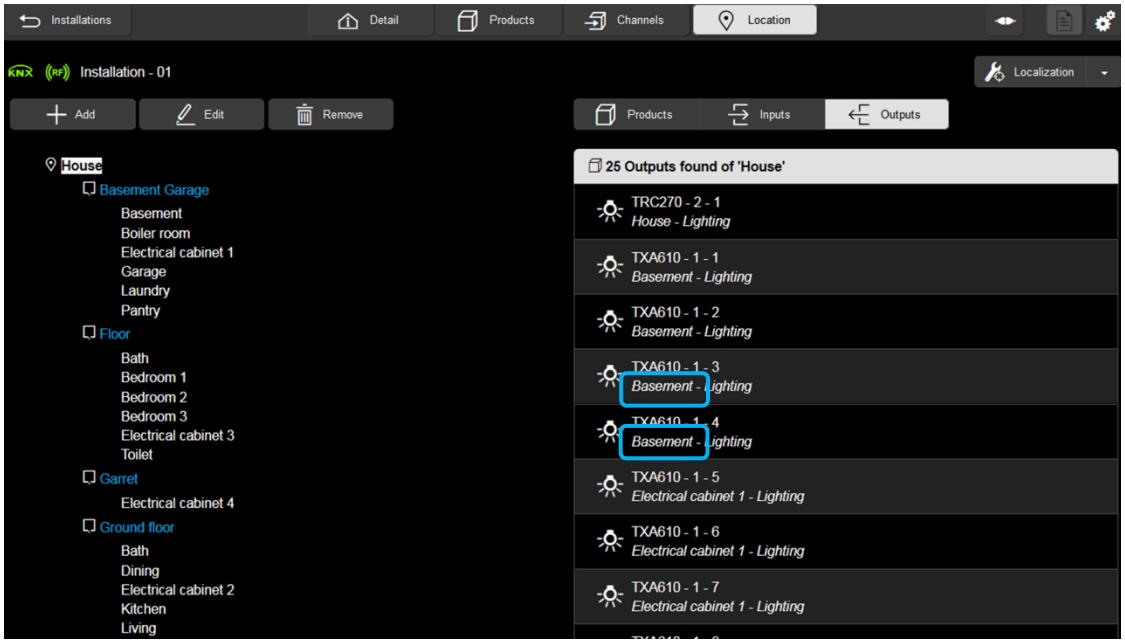
- Assigning outputs



- Click **Outputs.**
- Choose which outputs to assign.



- Drag and Drop them to the chosen location.



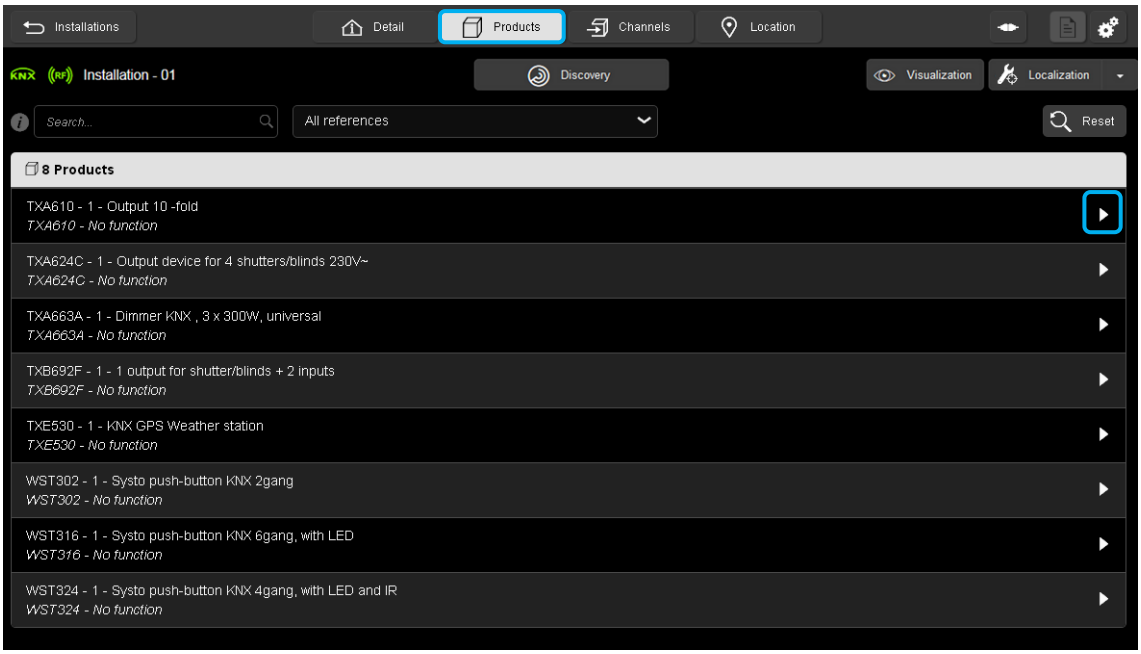
The way in which the selected outputs were assigned has changed.

6. SETTING THE PRODUCTS/CHANNELS

This section allows you to set the different products and channels.

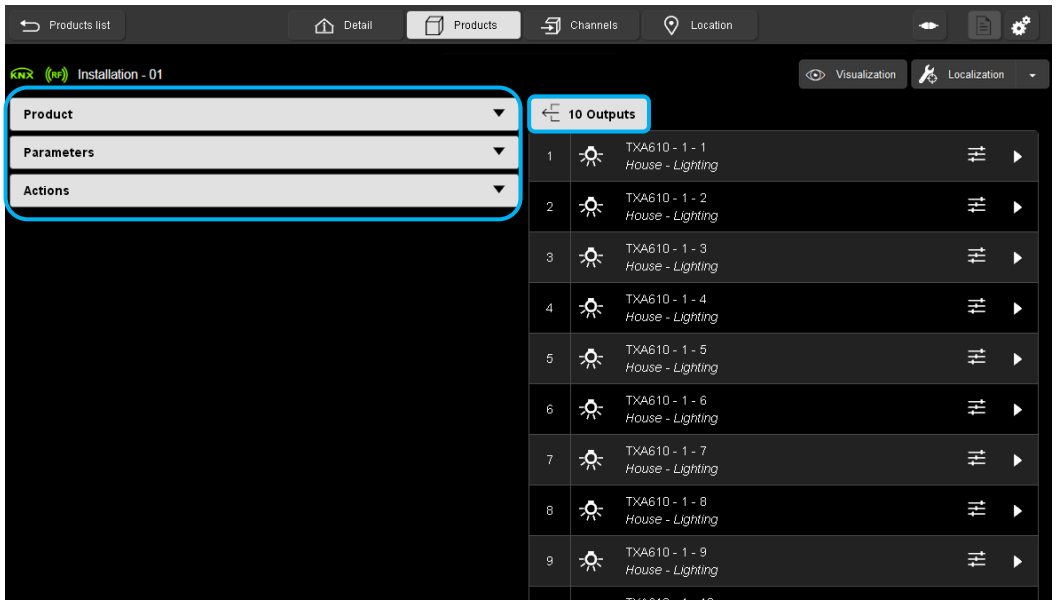
6.1 SETTING THE PRODUCTS

6.1.1 GENERAL FUNCTION



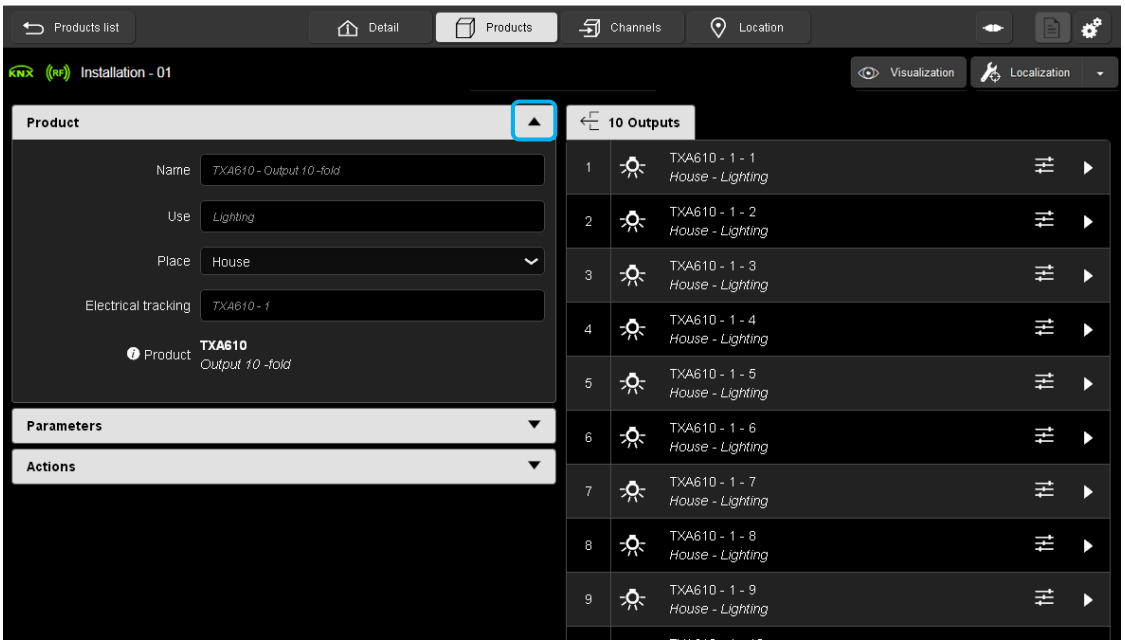
- Click the **Products** tab to see the list of indexed products for the installation.
- Click on the desired product to define the different parameters.

The following window appears:

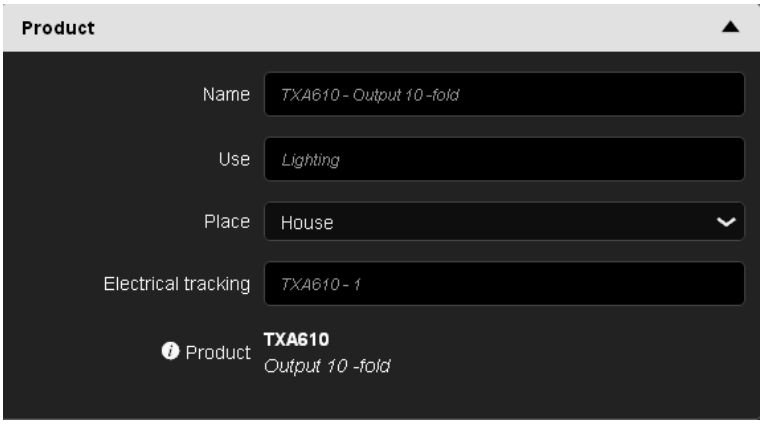


On this window, you will find:

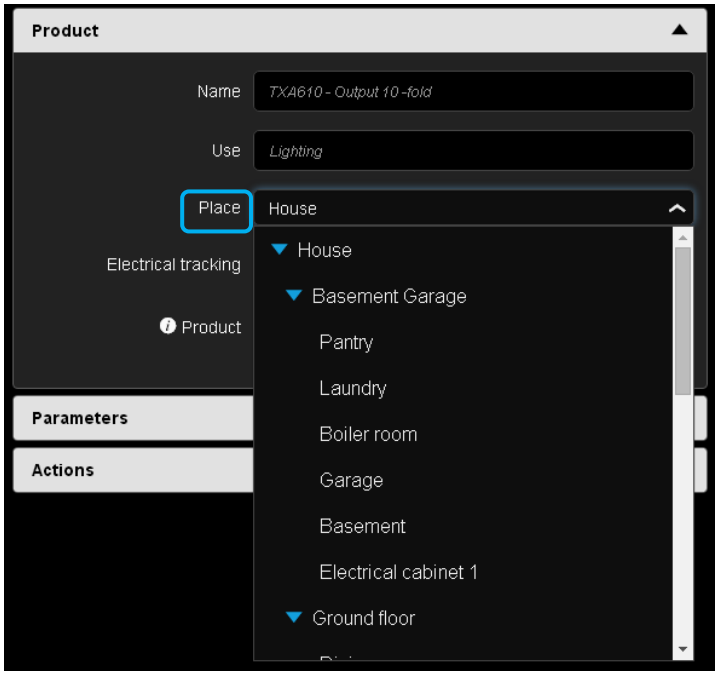
- on the left side the tabs:
  - ✓ **Product:** gathers information related to the product
  - ✓ **Settings:** defines the product's operation
  - ✓ **Actions:** allows you to perform specific actions on the product (Restart, Factory reset, etc.)
- on the right side the list of outputs associated with the product.



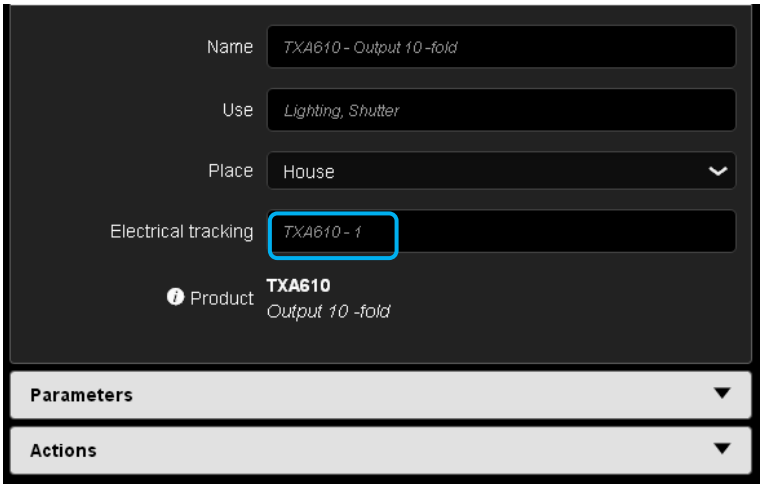
- Click on ▼ of the **Product** tab to define the information related to the product.



- ✓ **Name**: the selected product can be renamed.
- ✓ **Use**: defines the product's use (lighting, shutter, roller-blind, etc.).



✓ **Place**: Click on to select the place where the product is physically located, depending on the structure previously defined.



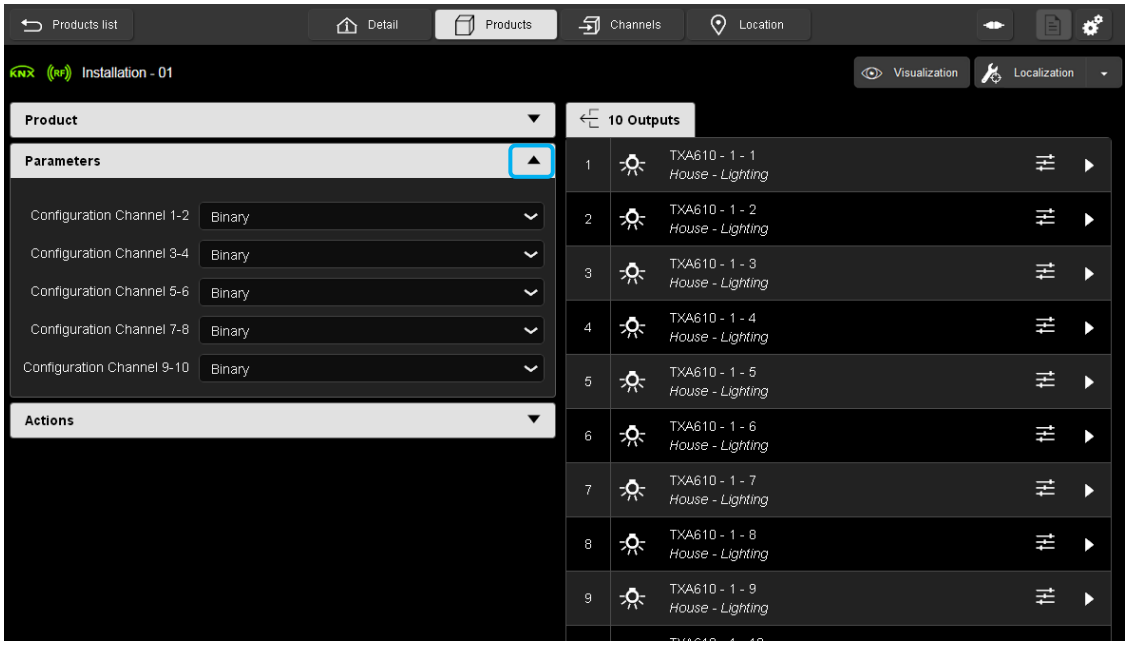
✓ **Electrical tracking**: Name the electrical tracking according to the wiring diagram. This field contains the name given to the product by default during discovery. It can be modified to bring it in line with the installation wiring plan.

✓ **i Product**: Click "**i Product**" to display the product's information.

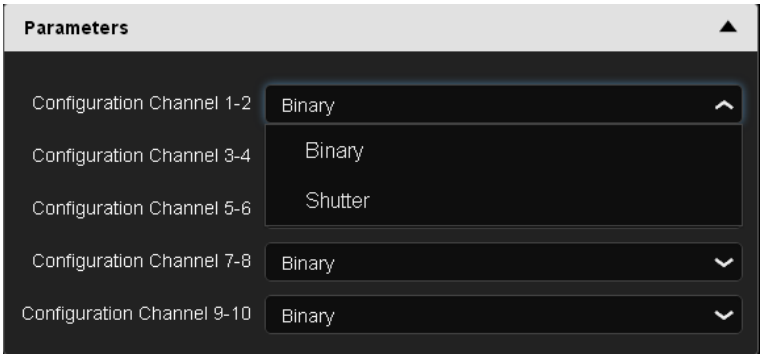
6.1.2 SETTINGS FUNCTION

This section defines the product's operation in its entirety. The settings available depend on the product family and there are quite a few of them.
A detailed definition of the settings for each product is described in the documentation related to the relevant products.

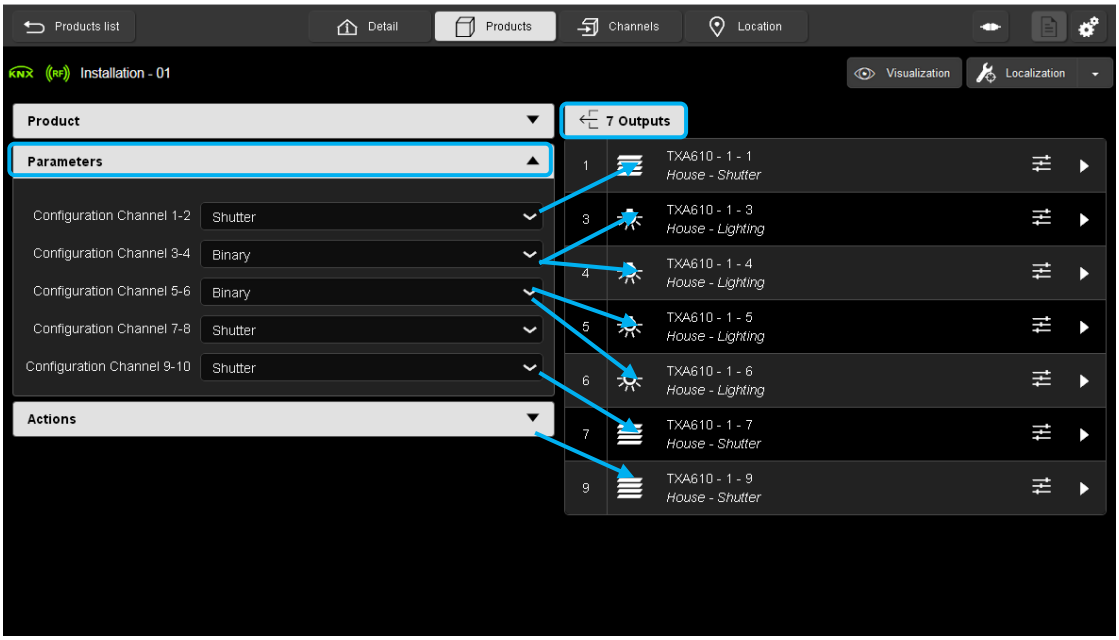
Below is the example of an output product, to define the use of the output channels.



- Click on ▼ in the **Settings** tab to define the different uses of product channels.



- Click on ▼ to define the function:
  - ✓ Binary
  - ✓ Shutter

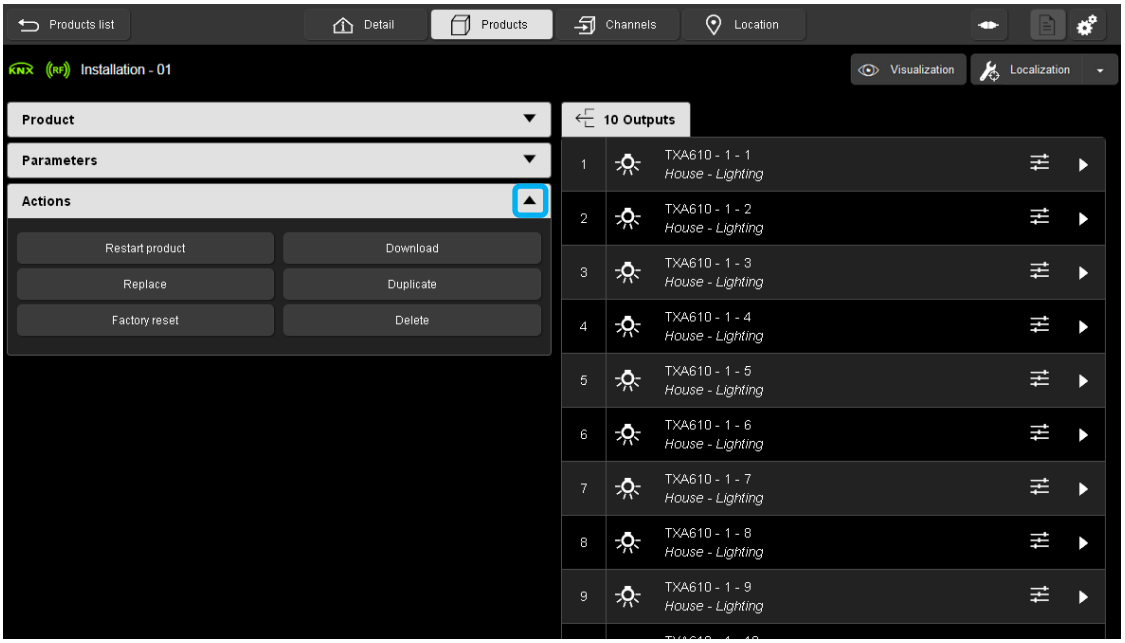


According to the defined use (Binary/Binary or shutter) in the "Settings" tab, an icon, representing the selected use, appears at each output.

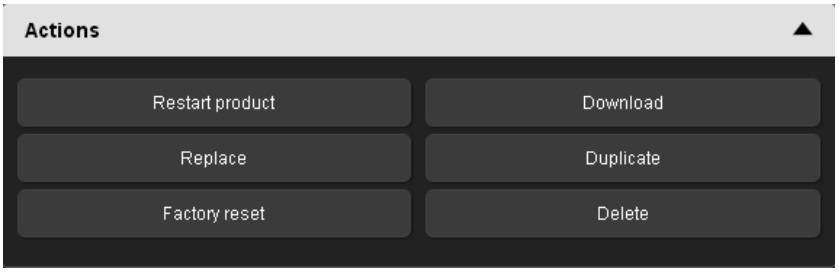
6.1.3 PRODUCT MAINTENANCE

This section allows you to perform precise actions on the product. You can act individually on each product to perform various tasks such as:

- Restart product
- Factory reset
- Replace
- Duplicate
- Download
- Delete links



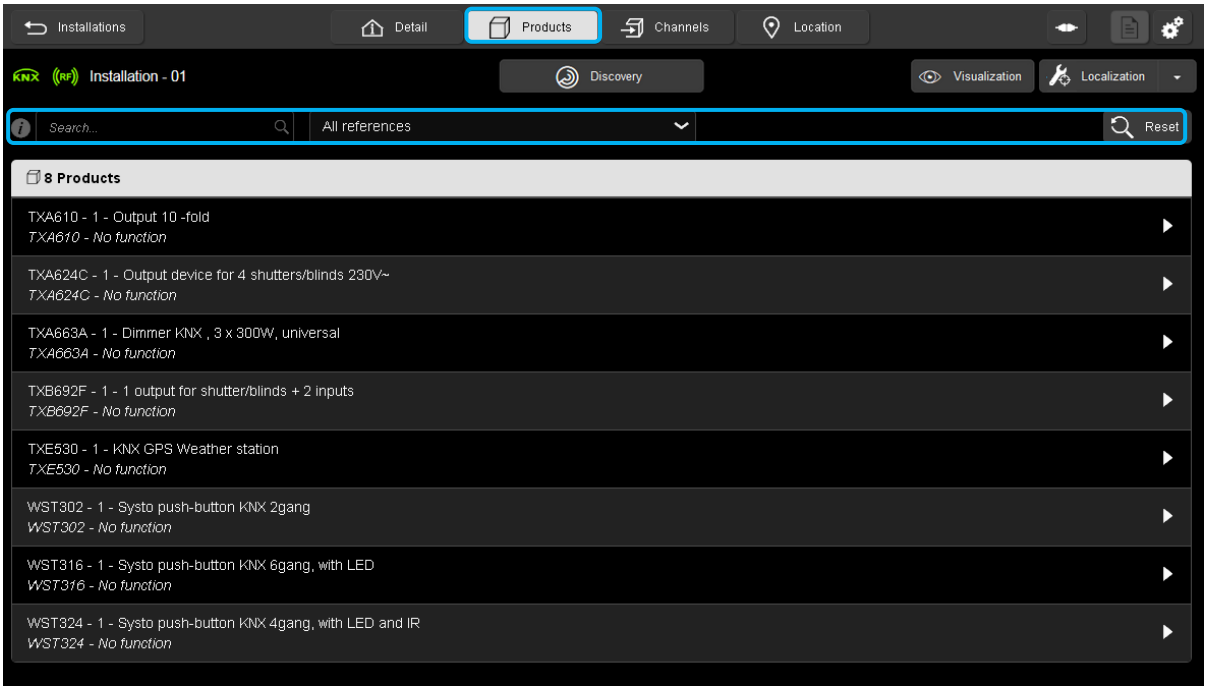
- Click on ▼ in the **Actions** tab to select different actions.



- ✓ **Restart product:** switches the product on/off remotely.
- ✓ **Download:** reloads the product settings **only**.
- ✓ **Replace:** replaces a product with another of the same reference. This function is generally used to replace a faulty product with a new product without having to regain all of the settings (see chapter 9.3.3).
- ✓ **Duplicate:** copies the settings from a product with another of the same reference. This function is generally used to duplicate a product without having to regain all of the settings (see chapter 9.3.4).
- ✓ **Factory reset:** reloads the default settings (factory setting configuration) and removes the product from the installation.
- ✓ **Delete:** removes the product from the installation without connecting to the configuration server.

6.1.4 SORT AND FILTER BY PRODUCTS

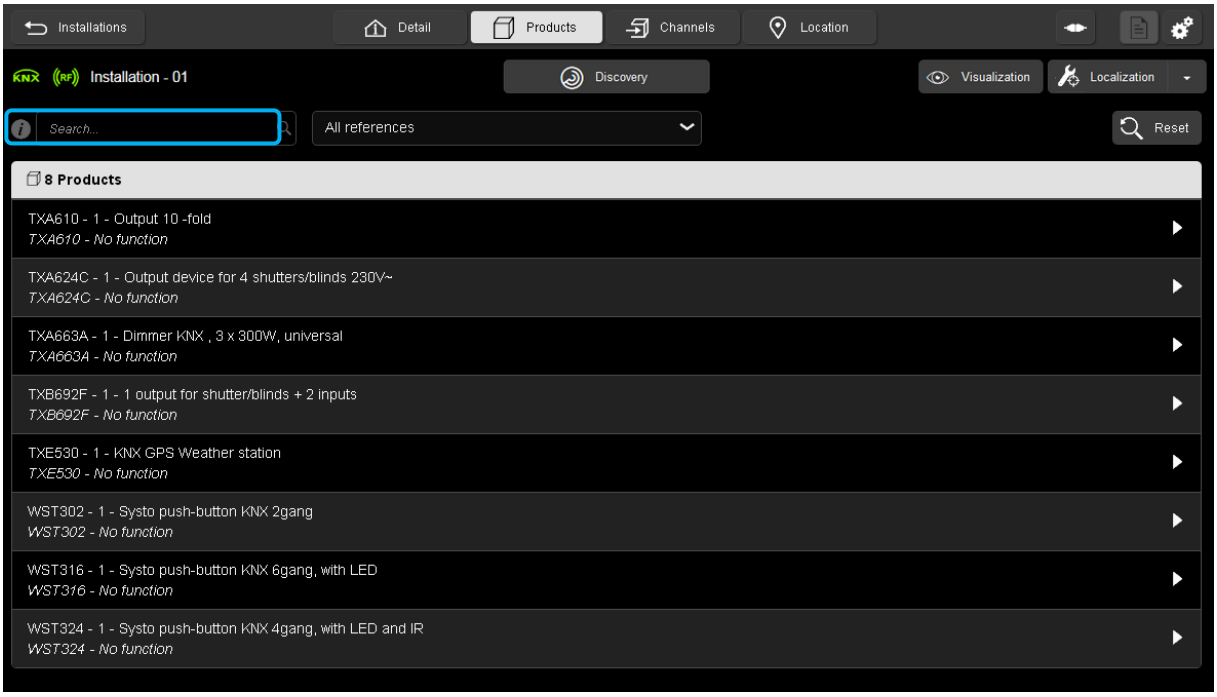
This function sorts the list of products according to several criteria.



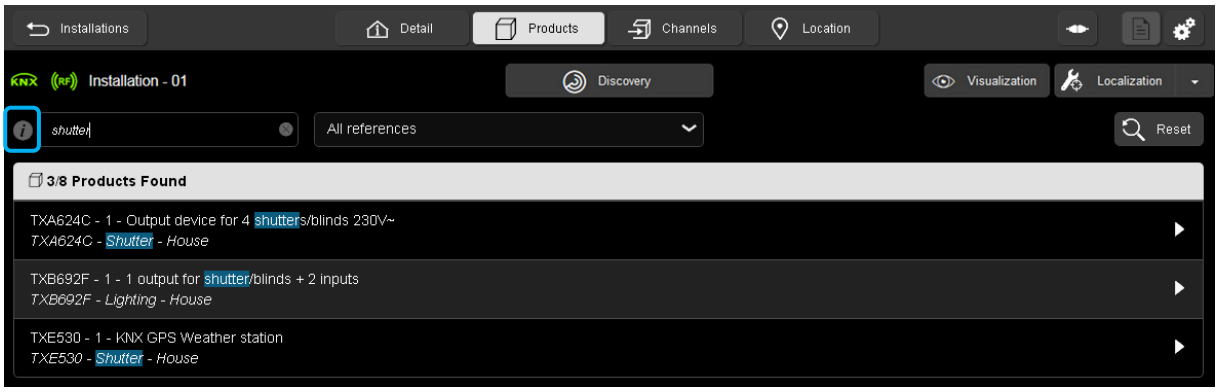
- Click on the "**Products**" tab to see the list of products indexed in the installation and to start a search.

There are two search types:

1st method: sorted according to the text entered in the search field.



Example: If the word “shutter” is entered, only products that include the word “shutter” are displayed.

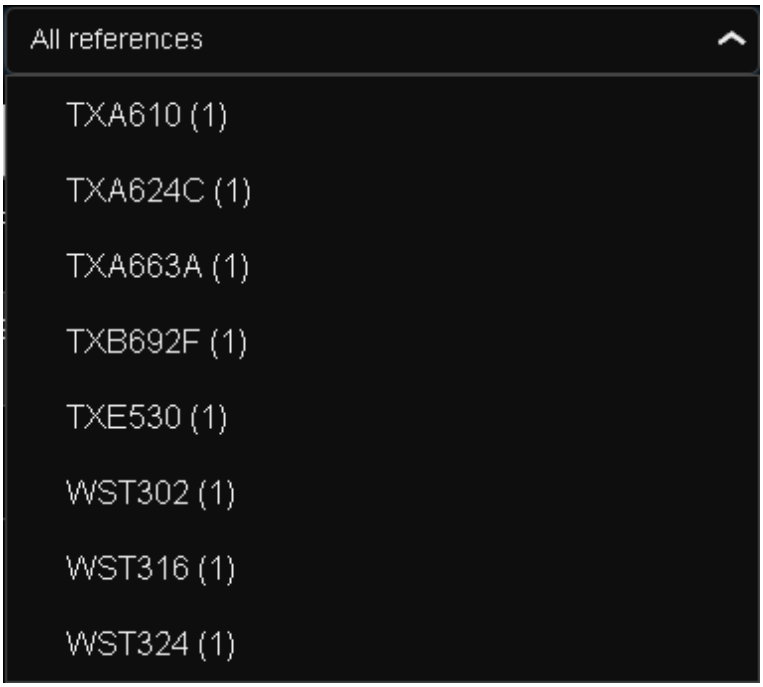


Several words or characters can also be entered.

Certain keywords have already been defined.

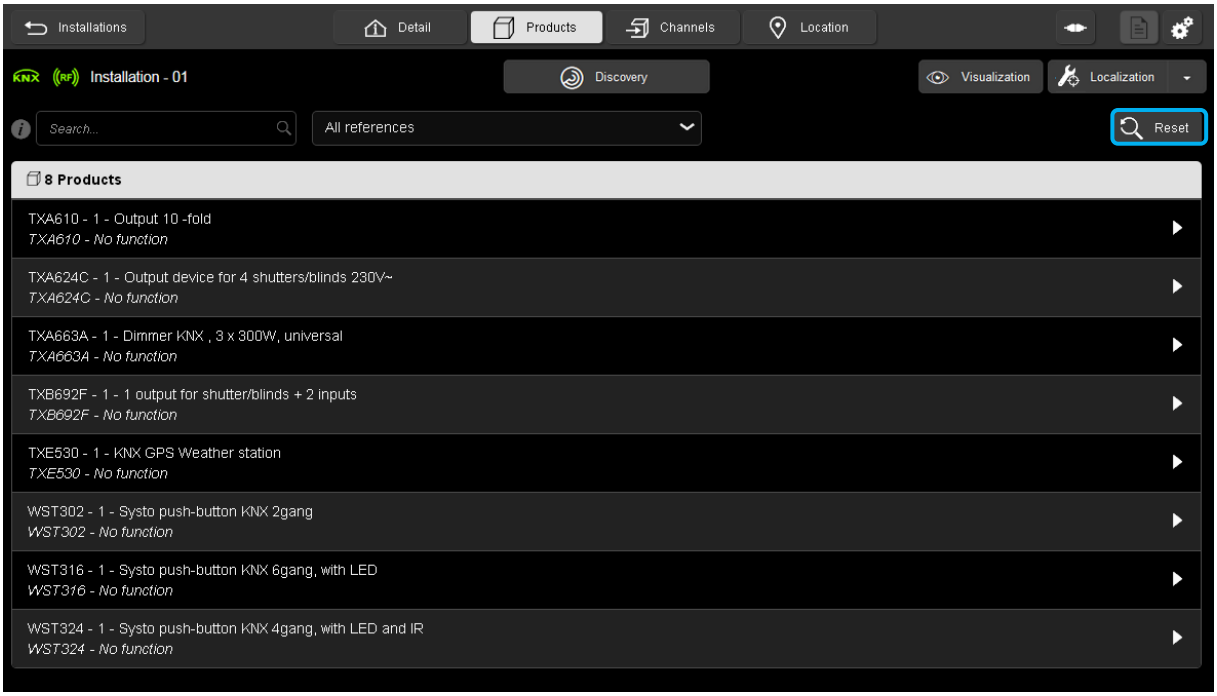
- Click ⓘ to display the list of keywords.

- **2nd method:** the search can be run based on the Reference.



➢ **Note:** The two methods can be used simultaneously.

- Click **Reset** to clear the searches.



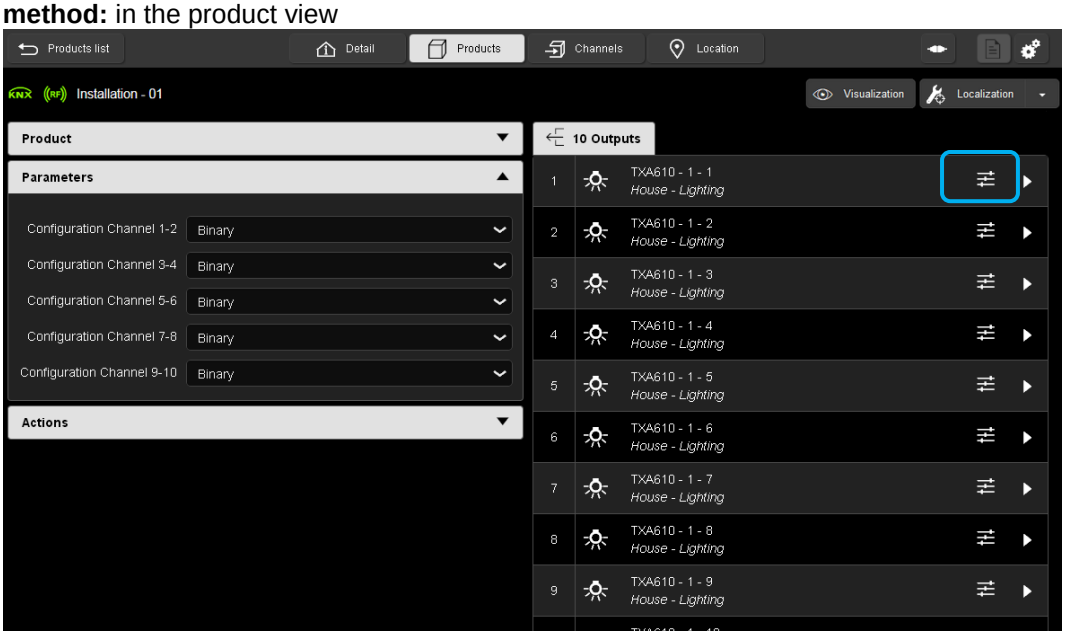
6.2 SETTING THE CHANNELS

6.2.1 SETTING BY CHANNEL

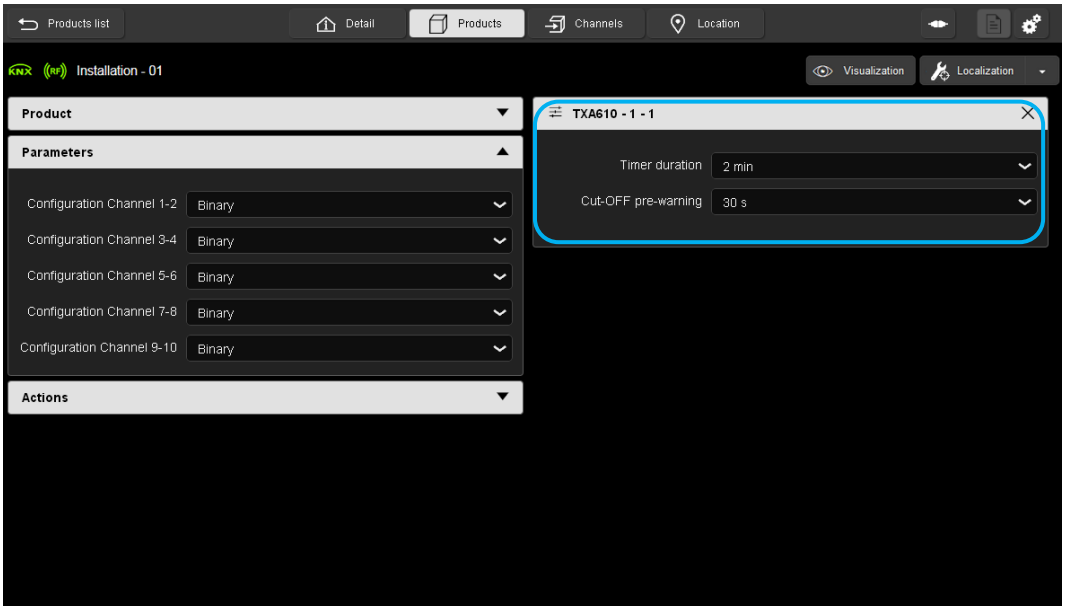
Setting by channels enables configuration of the product's channel by channel operation.

There are 2 methods for accessing the channel settings:

- **1st method:** in the product view

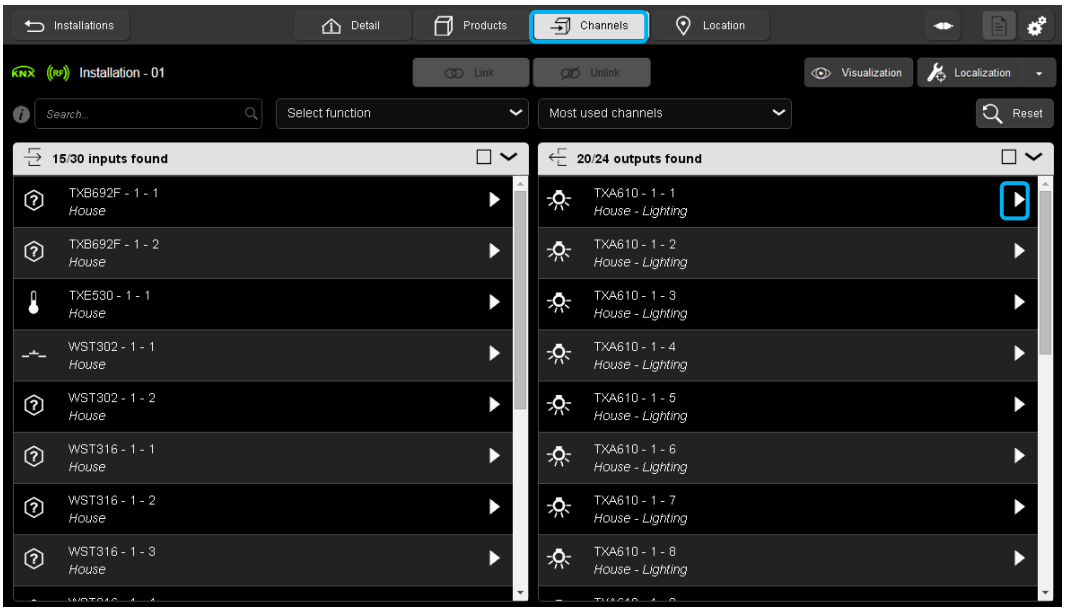


Click to access the channel settings.



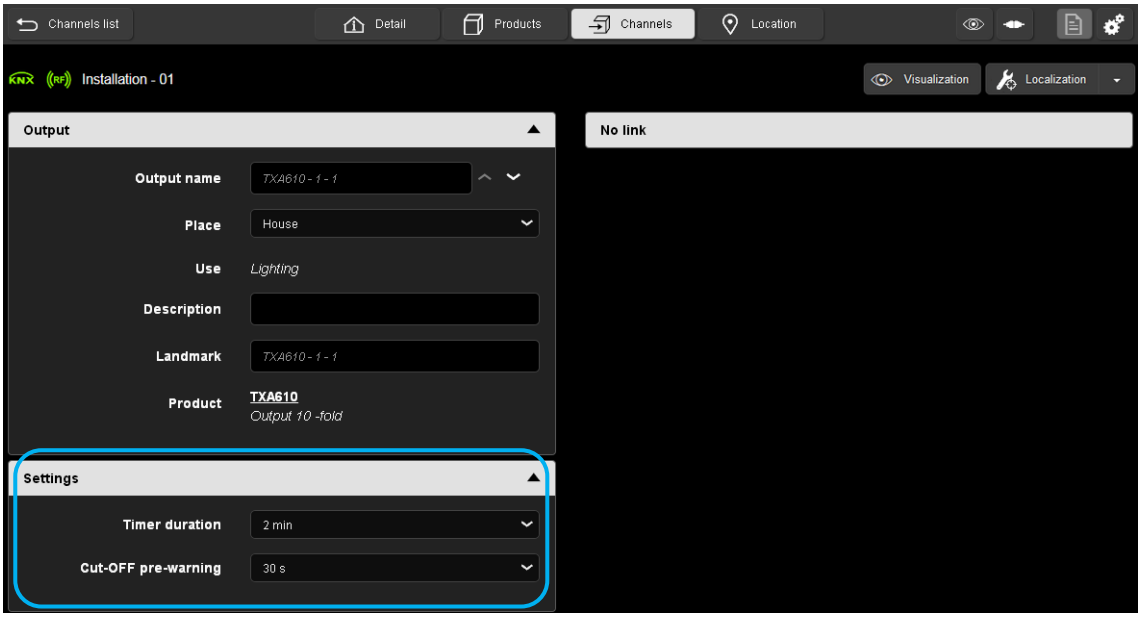
The channel settings appear on the right.

- **2nd method:** in the channels view



- Click on an output.

The following window appears: The channel settings appear on the left.



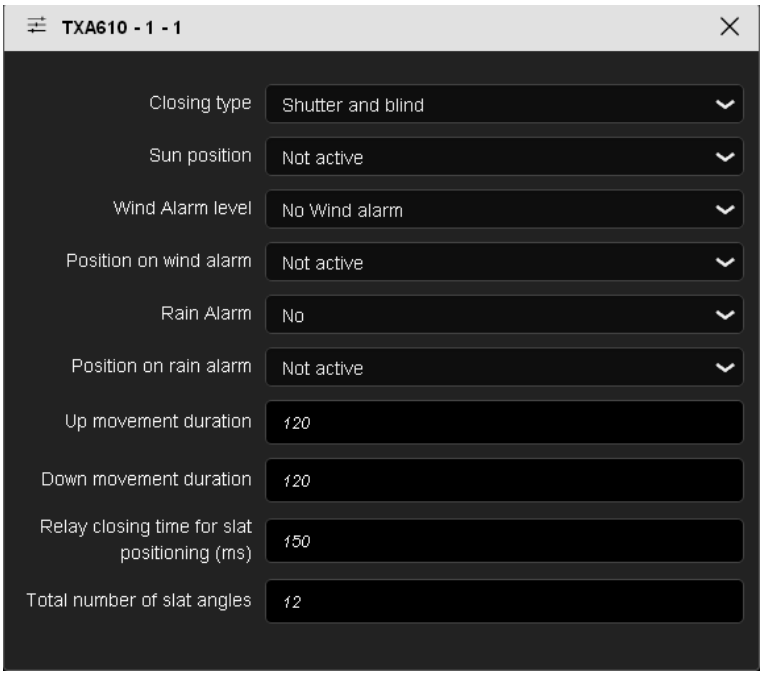
▪ Example of the shutter settings:

- Click on to select the "Shutter and blind" operation:

Possible choices:

- ✓ Shutter
- ✓ Shutter and blind

- Define the operational settings of the output



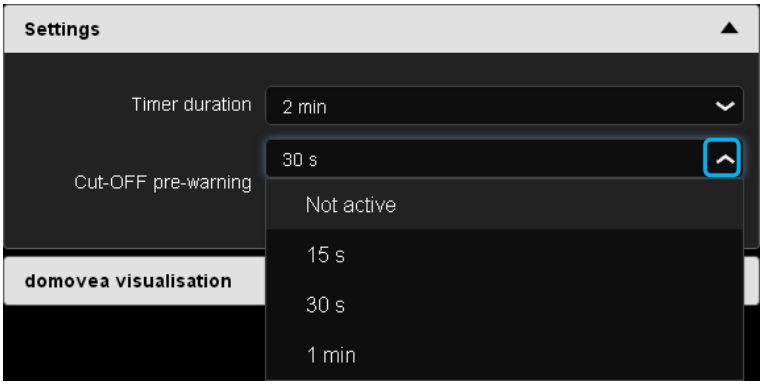
▪ Example of the lighting settings:

- Click on to select the "Timer duration" for the lighting.

Possible choices:

Not active, 1 sec, 2 secs, 3 secs, 5 secs, 10 secs, 15 secs, 20 secs, 30 secs, 45 secs, 1 min, 2 mins, 2 mins 30 secs, 3 mins, 5 mins,

15 mins, 20 mins, 30 mins, 1 hr, 2 hrs, 3 hrs, 5 hrs, 12 hrs, 24 hrs.

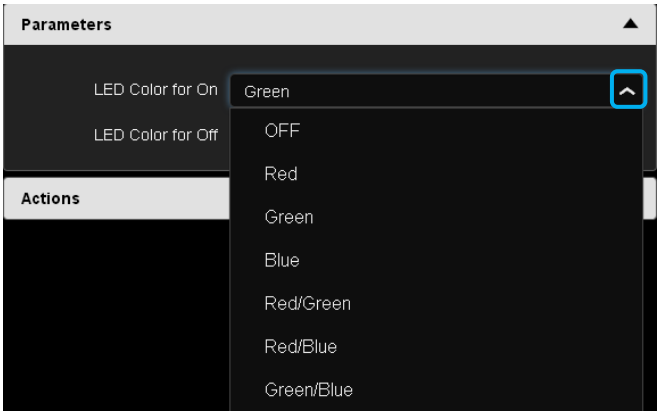


- Click on to select the "Timer pre-warning" for the lighting.

Possible choices:

Not active, 15 secs, 30 secs, 1 min.

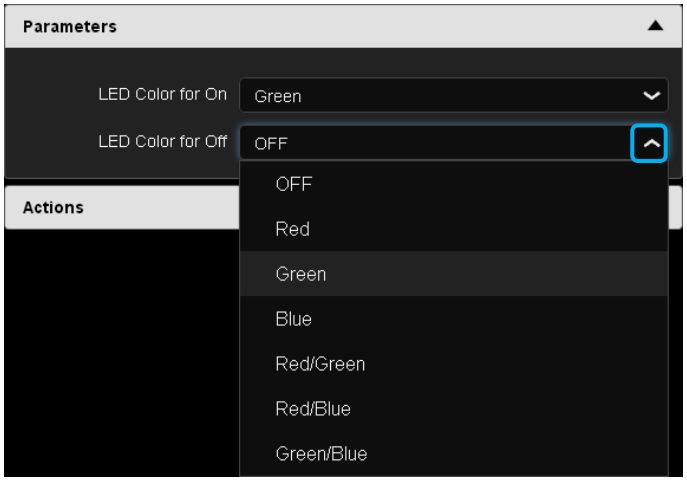
▪Example of the setting of LEDs on an input product:



- Click on ⌄ to select the "**LED colour for On**"

Possible choices:

OFF, Red, Green, Blue, Red/green, Red/blue, Green/blue.



- Click on ⌄ to select the "**LED colour for Off**".

Possible choices:

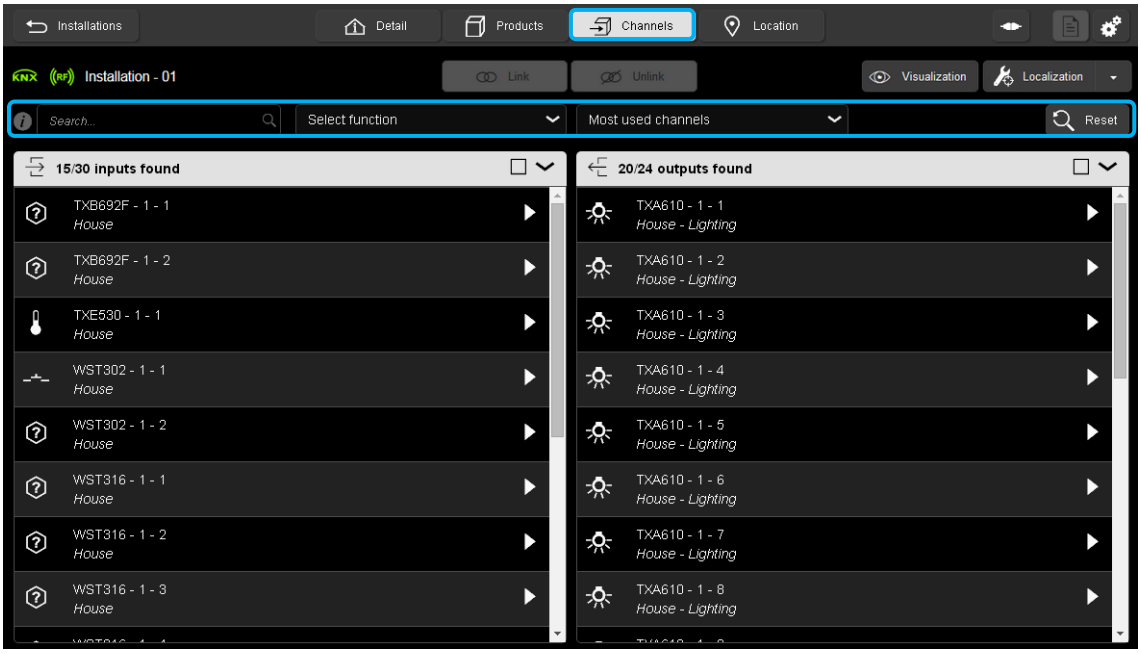
OFF, Red, Green, Blue, Red/green, Red/blue, Green/blue.

➢ **Note:**

For each product, please refer to the product-specific documentation.

6.2.2 SORT AND FILTER BY CHANNELS

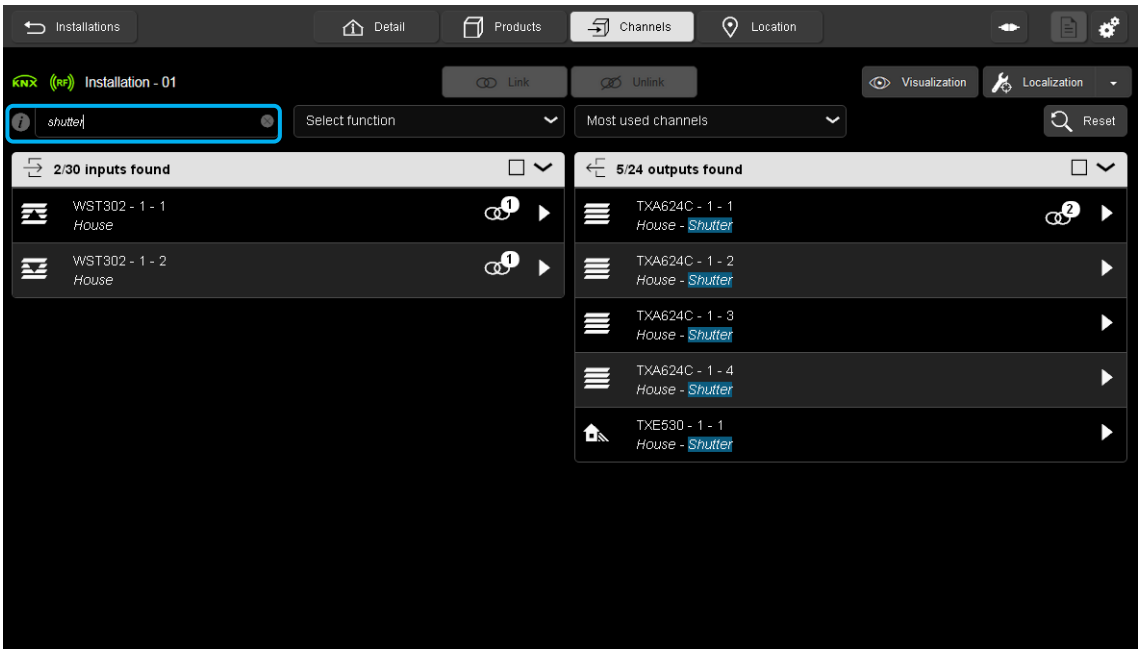
This function sorts the list of inputs and/or list of outputs according to several criteria.



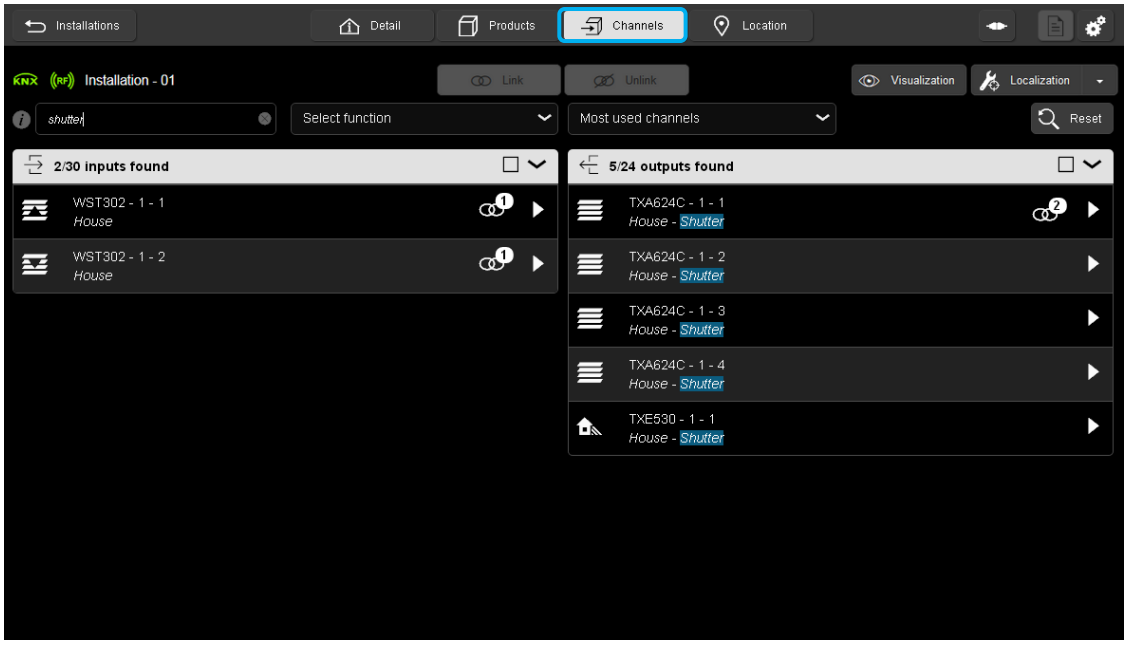
- Click the “Channels” tab to see the list of channels identified in the installation and run a search.

There are 3 types of searches:

- **1st method:** sorted according to text entered in the search field

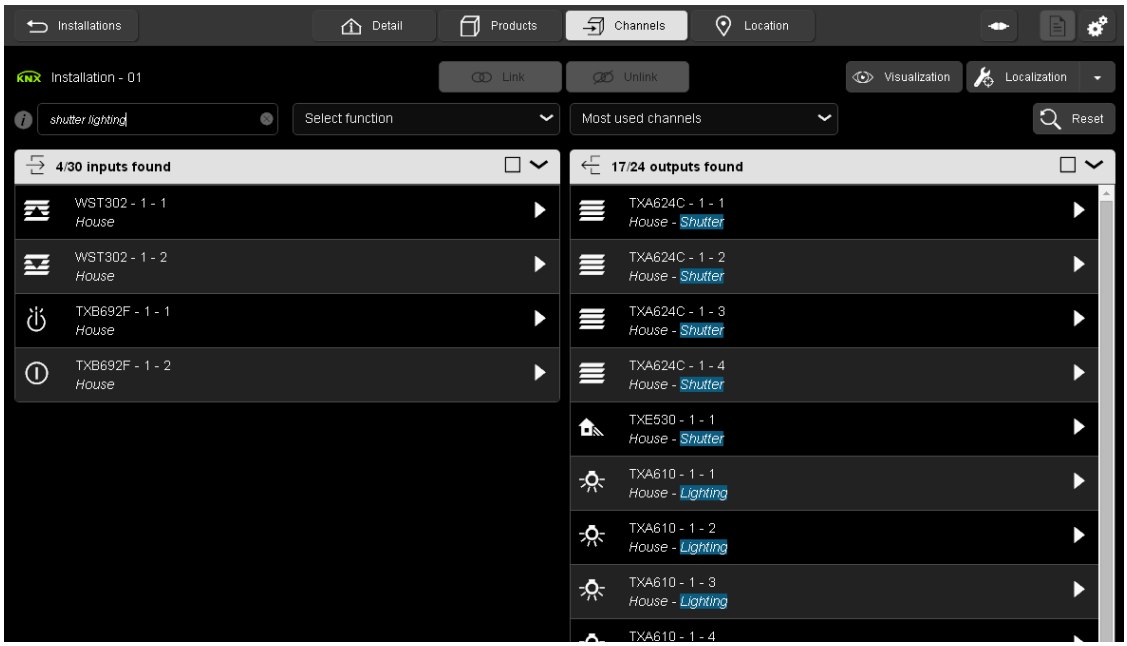


Example: if the word “shutter” is entered, only inputs and outputs associated with the word “shutter” are displayed.



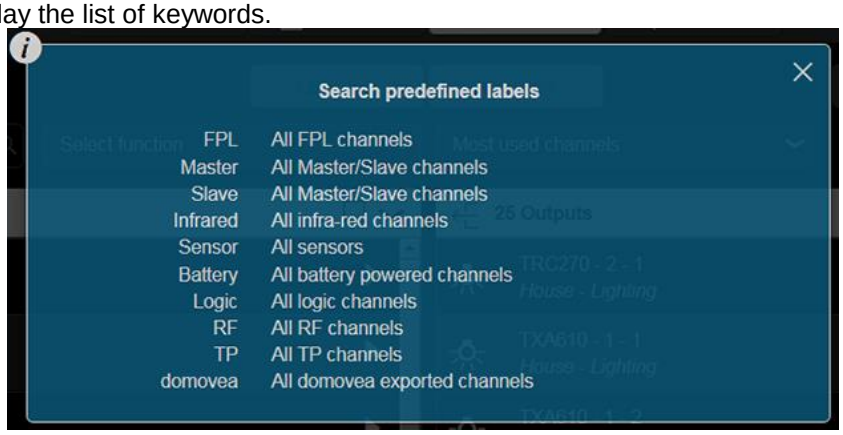
> ➢ **Note:** The inputs are also displayed as they are set as shutter commands.

Several words or characters can be entered.



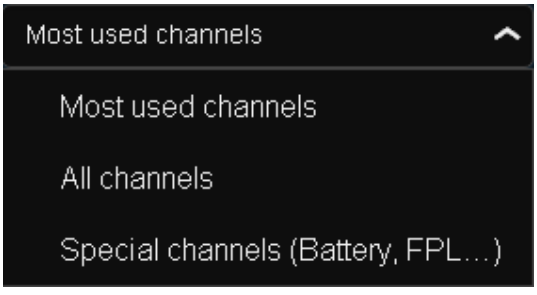
Certain keywords are already defined.

- Click ⓘ to display the list of keywords.



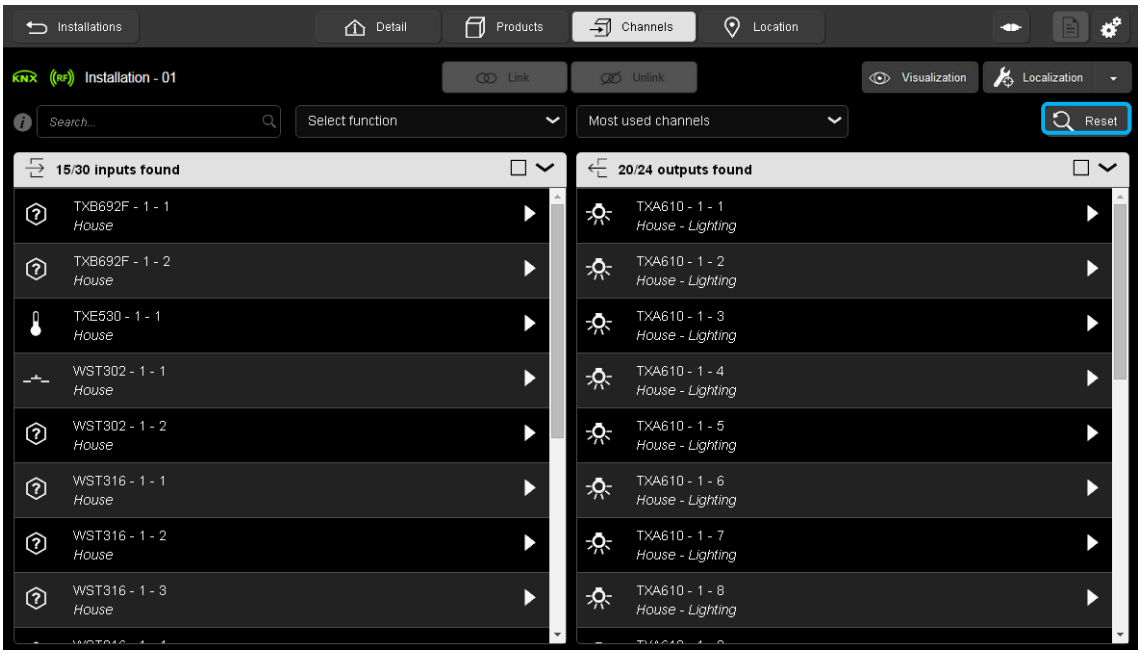
- **2nd method:** sorted according to the function type set.

- **3rd method:** sorted according to the channel type used.



➢ **Note:** The three methods can be used simultaneously.

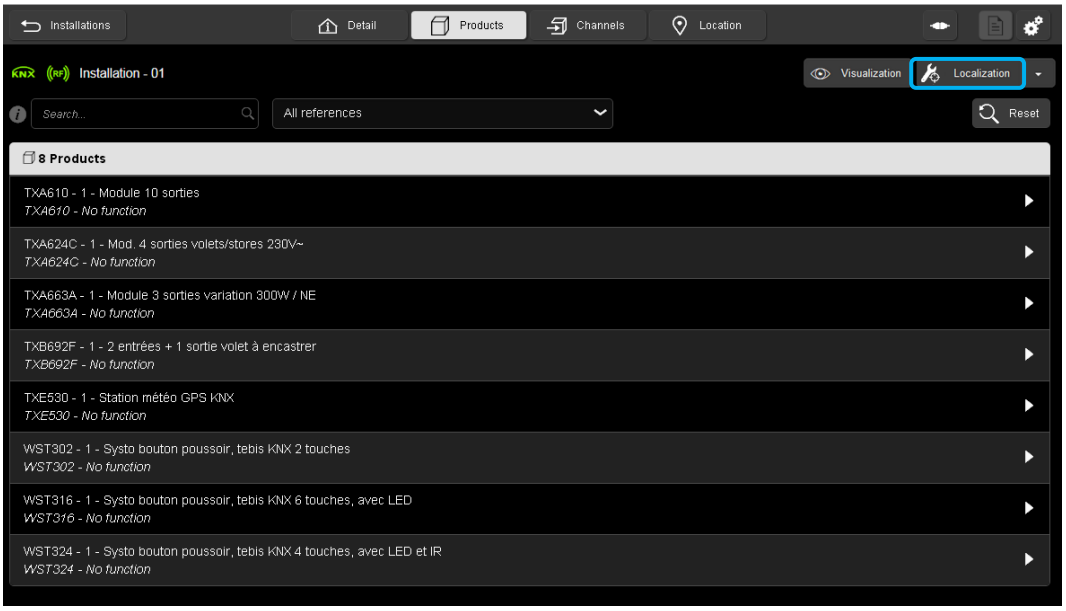
- Click “**Reset**” to clear the searches.



6.3 LOCALISATION

Tracking of products and channels is performed in "Localisation" mode. Localisation enables the installer to physically track the products installed and the channels wired.

6.3.1 STARTING "LOCALISATION" MODE

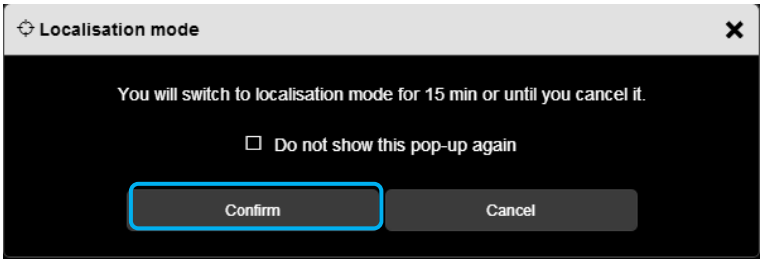


A "**Localisation**" tab is available to track the installation's different products.

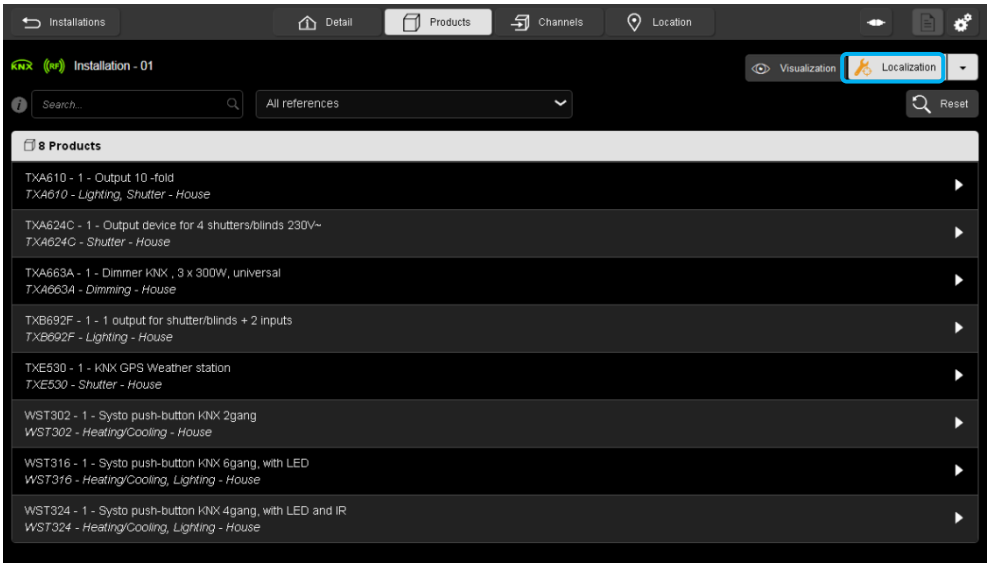
- Click "**Localisation**".

A "Localisation mode" window appears with the following message:

"Activation of localisation mode for 15 mins".

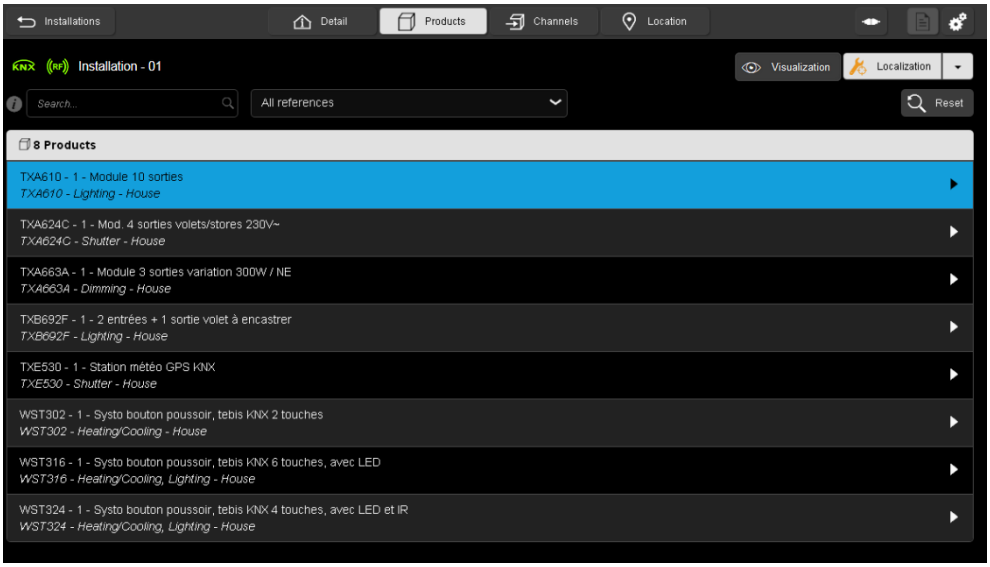


- Click **Confirm** to switch to localisation mode for 15 minutes or **Cancel** to stop localisation mode.



The "**Localisation**" tab changes colour to indicate that localisation mode is activated.

6.3.1.1 Localisation of different products



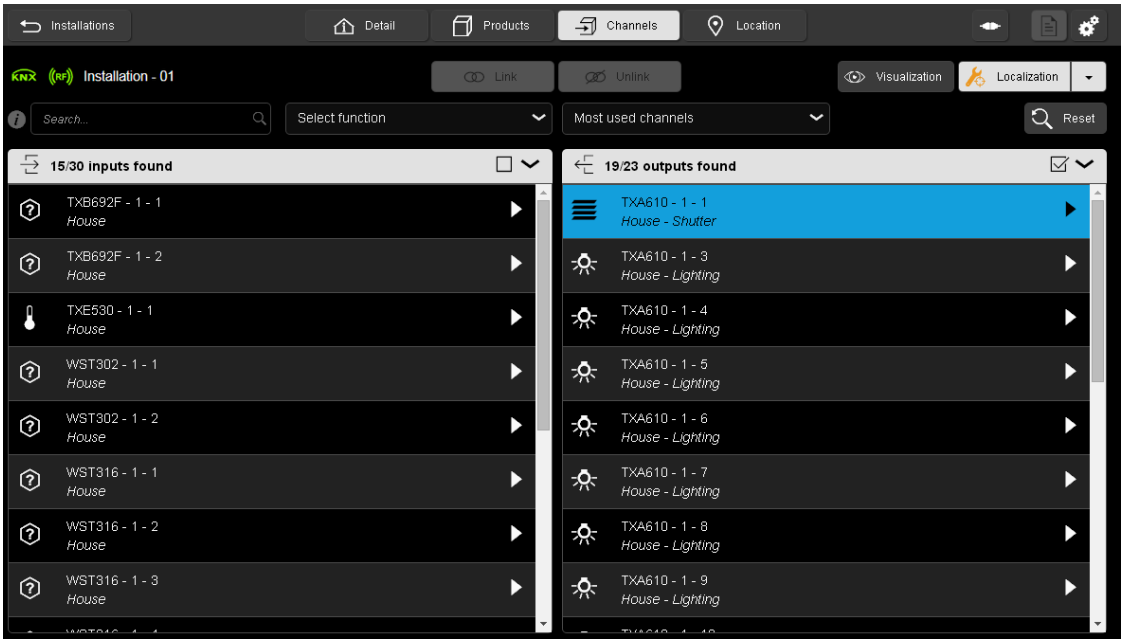
- Click on the product; the line turns blue and the corresponding product indicator lights illuminate.

> ➢ **Note:**
>
> If "**Localisation with physical effect**" is activated, the outputs are physically managed, thus enabling control of a light bulb or shutter, for example.

- Inversely, the product line turns blue if one of the product's manual control push-buttons is pressed.

> ➢ **Note:**
>
> Links can be created during localisation. However, the functional test can only be performed outside "localisation".

6.3.1.2 Localisation of different channels



- Click on one of the outputs; the line turns blue and the corresponding channel indicator light illuminates.

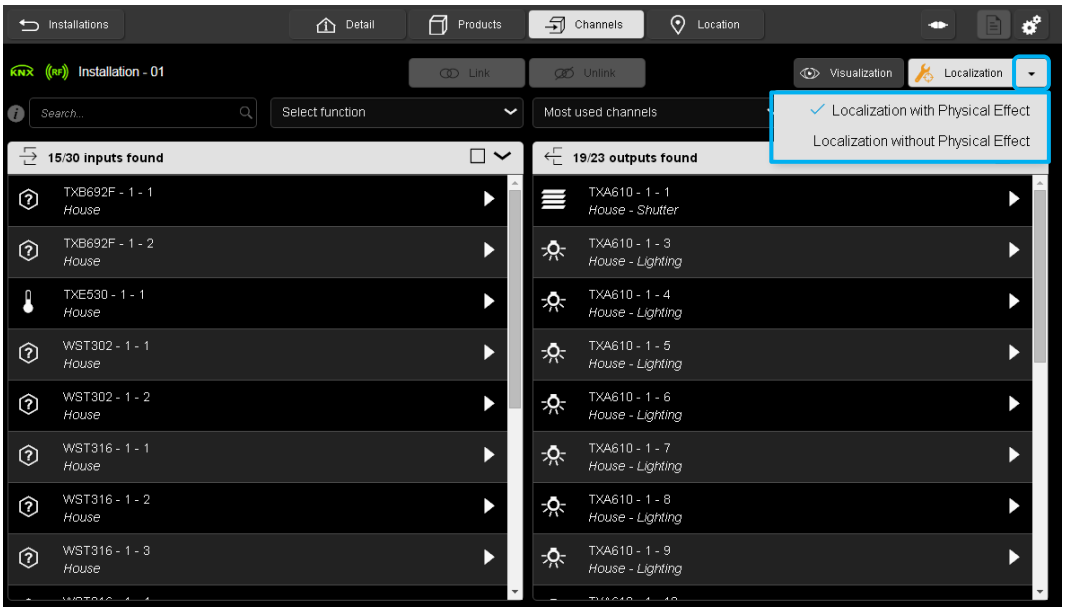
> ➢ **Note:**
>
> If "**Localisation with physical effect**" is activated, the outputs are physically managed, thus enabling control of a light bulb or shutter, for example.

- Inversely, the product line turns blue if one of the product's manual control push-buttons is pressed.

> ➢ **Note:**
>
> Links can be created during localisation. However, the functional test can only be performed outside "localisation".

6.3.1.3 Physical effect

During localisation, the physical effect executes a certain action on the product so that it is more easily identifiable.



- Click on
- Select the desired localisation mode.
    - Localisation with physical effect:
    - Localisation without physical effect:

The physical effect is different depending on the nature of the product. Here are several examples:

Behaviour of outputs during localisation by products		
Products	**Without physical effect**	**With physical effect**
Lighting output (TXA610)	- All of the indicator lights for the selected product illuminate	- All of the indicator lights for the selected product illuminate - The output relays switch, making the light bulbs flash on output if they are connected.
Shutter output (TXA624)	- All of the indicator lights for the selected product illuminate	- All of the indicator lights for the selected product illuminate - The output relays switch, making all of the shutters raise and lower if they are connected.
Dimmer output (TXA663)	- All of the indicator lights for the selected product illuminate	- All of the indicator lights for the selected product illuminate - All of the outputs vary the current to the light bulbs if they are connected.
Push-button input (WST312)	- All of the indicator lights for the selected product illuminate	- All of the indicator lights for the selected product illuminate - The internal buzzer sounds, emitting an intermittent audible signal.

Behaviour of outputs during localisation by channels		
Products	**Without physical effect**	**With physical effect**
Lighting output (TXA610)	- The indicator light for the selected output illuminates	- The indicator light for the selected output illuminates - The output relay switches, making the light bulb flash on output if it is connected.
Shutter output (TXA624)	- The indicator light for the selected output illuminates	- The indicator light for the selected output illuminates - The output relays switch, making the shutter raise and lower if it is connected.
Dimmer output (TXA610)	- The indicator light for the selected output illuminates	- The indicator light for the selected output illuminates - The output varies the current to the light bulb if it is connected.
Push-button input (WST312)	- The indicator light associated with the push-button illuminates	- The indicator light associated with the push-button illuminates - The internal buzzer sounds, emitting an intermittent audible signal.

Each physical effect is set out in the documentation for each product.

➢ **Note:**

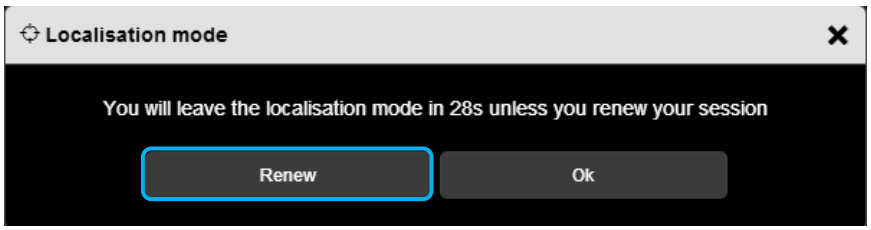
Some products do not have an indicator light and can only be localised when the physical effect is underway.

6.3.2 STOPPING "LOCALISATION" MODE.

There are 2 methods for stopping the "Localisation" mode.

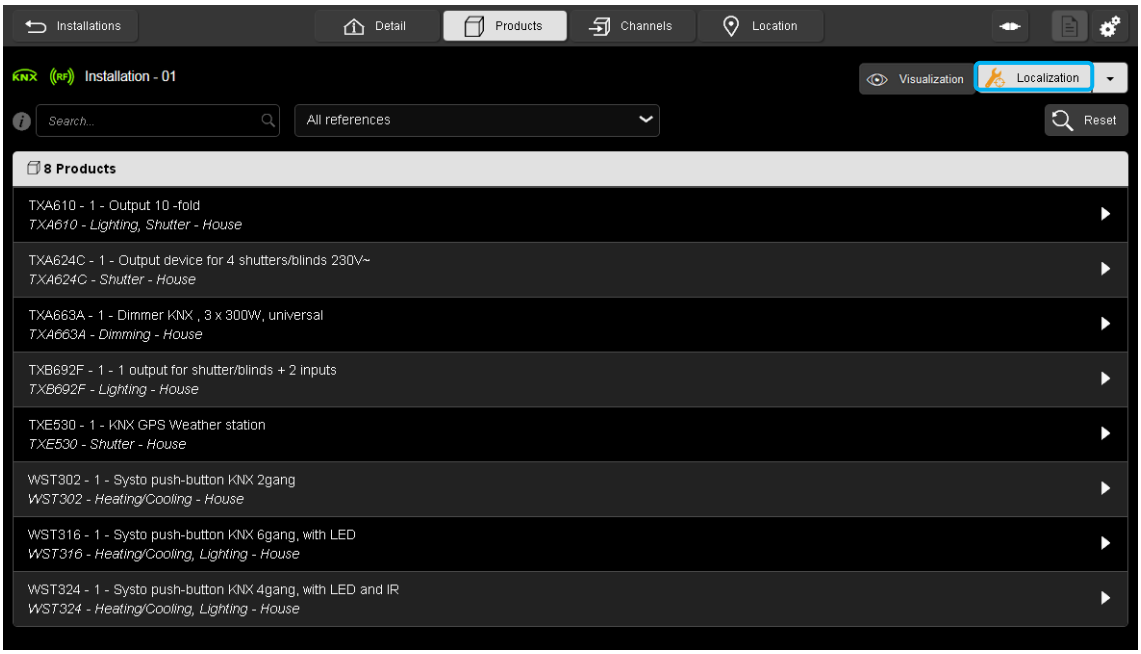
- **1st method:**

Wait 15 minutes; a window is displayed with the following message:



- Click **Renew** to remain in "Localisation" mode, or
- Click **OK** to stop localisation.

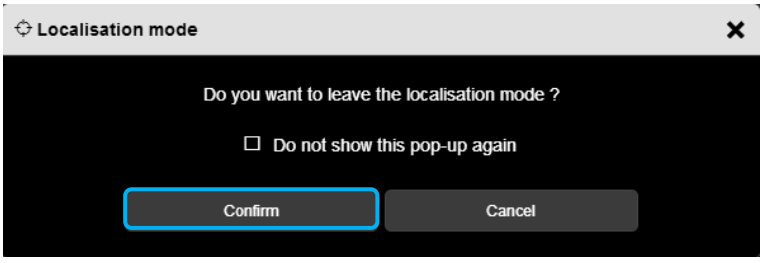
- **2nd method:**



- Click "**Localisation**".

A "Localisation mode" window appears with the following message:

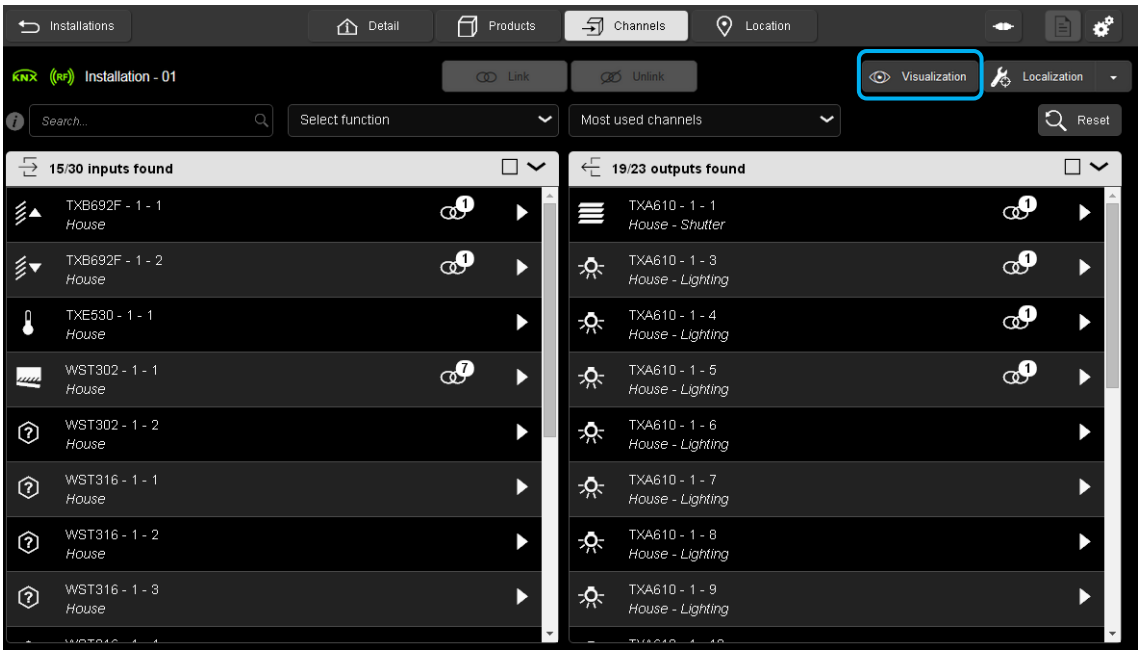
"Exit localisation mode?"



- Click **Confirm** to exit localisation mode, or
- Click **Cancel** to remain in localisation mode.

6.4 VISUALISATION

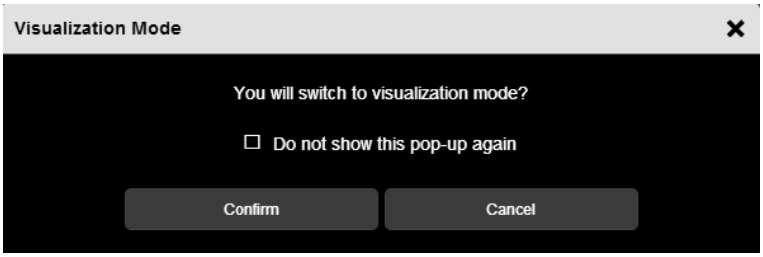
Visualisation enables the installer to identify which input is linked to an output and vice versa.



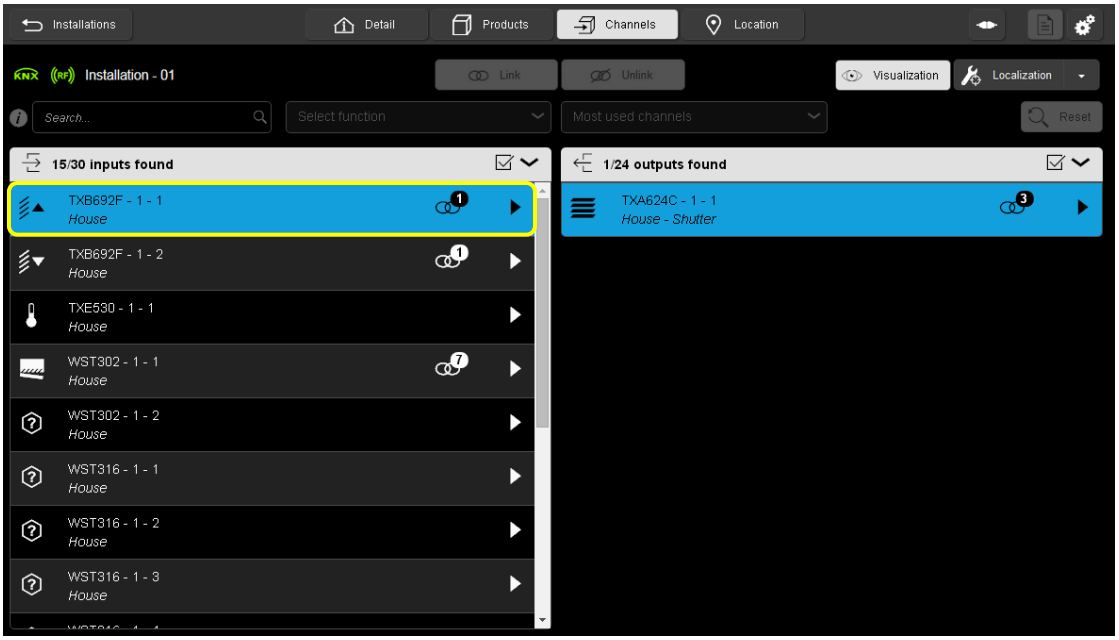
A “**Visualisation**” tab is available on the top band to enable visualisation.

- Click on “**Visualisation**”.

A "Visualisation mode" window appears.



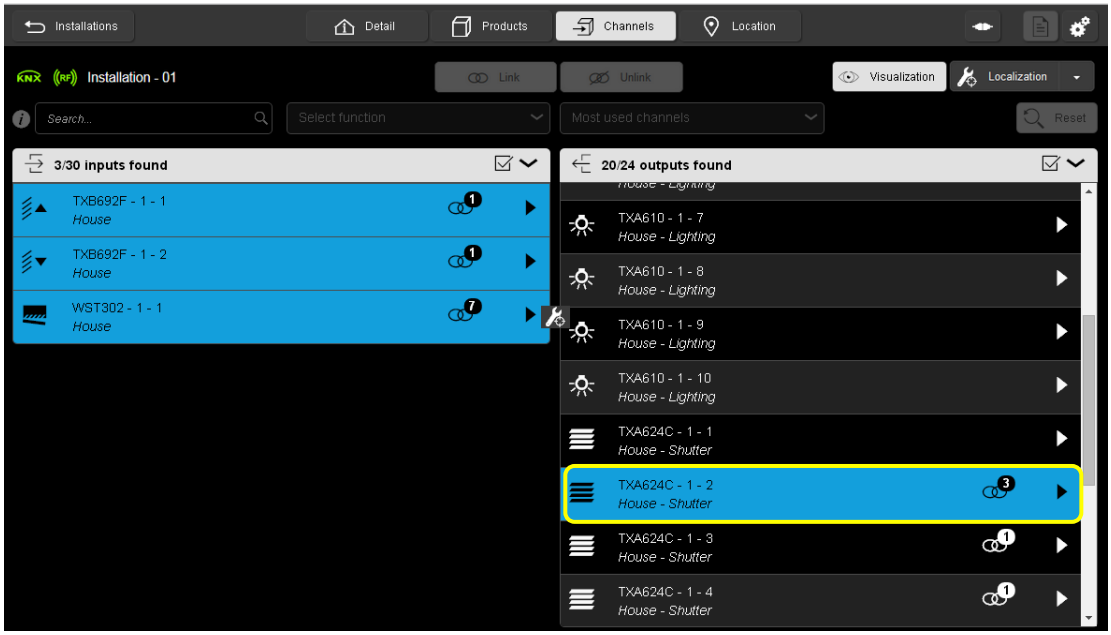
- Click on **Confirm** to switch to visualisation mode or **Cancel** to stop.



- Click on an input to display the linked output(s).

The outputs controlled by this input are displayed in blue. To return to the normal display, click on the input again.

Inversely, an output can also be selected to display the linked inputs.



- Click on an output to display the linked input(s).

The inputs controlling this output are displayed in blue. To return to the normal display, click on the output again.

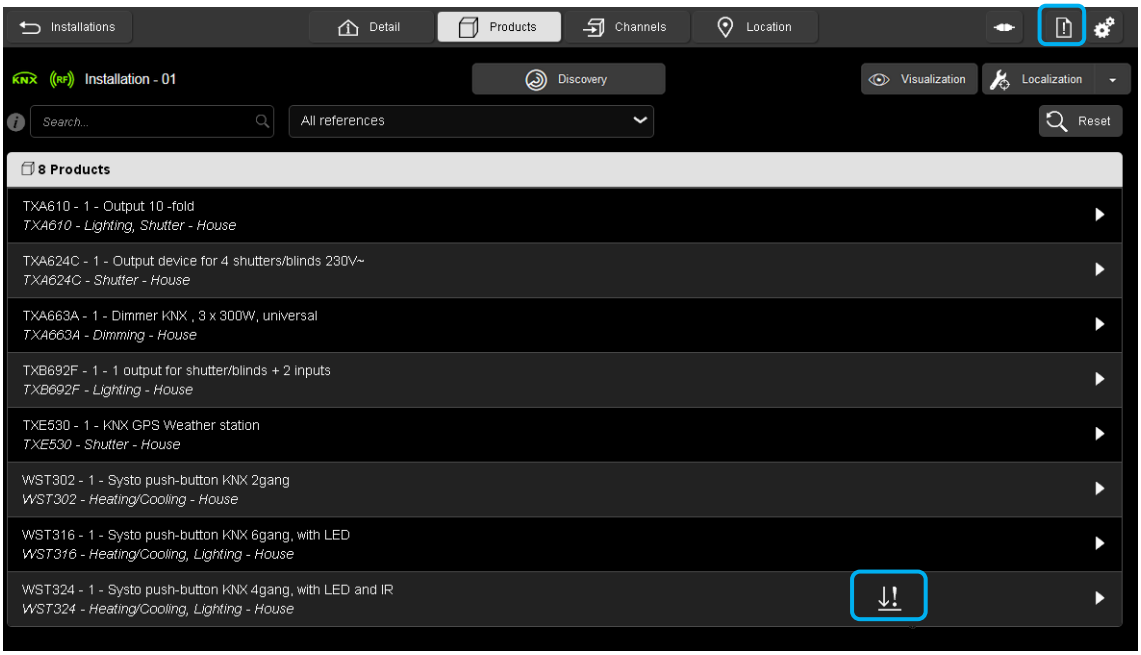
To exit visualisation mode, click on “**Visualisation**” again.

6.5 NOTIFICATIONS

This function enables different instructions to be provided to the installer while programming the installation. Various types of notifications can be sent, such as a downloading error or the availability of a new software version for the configuration server.

The presence of a notification is indicated with the symbol.

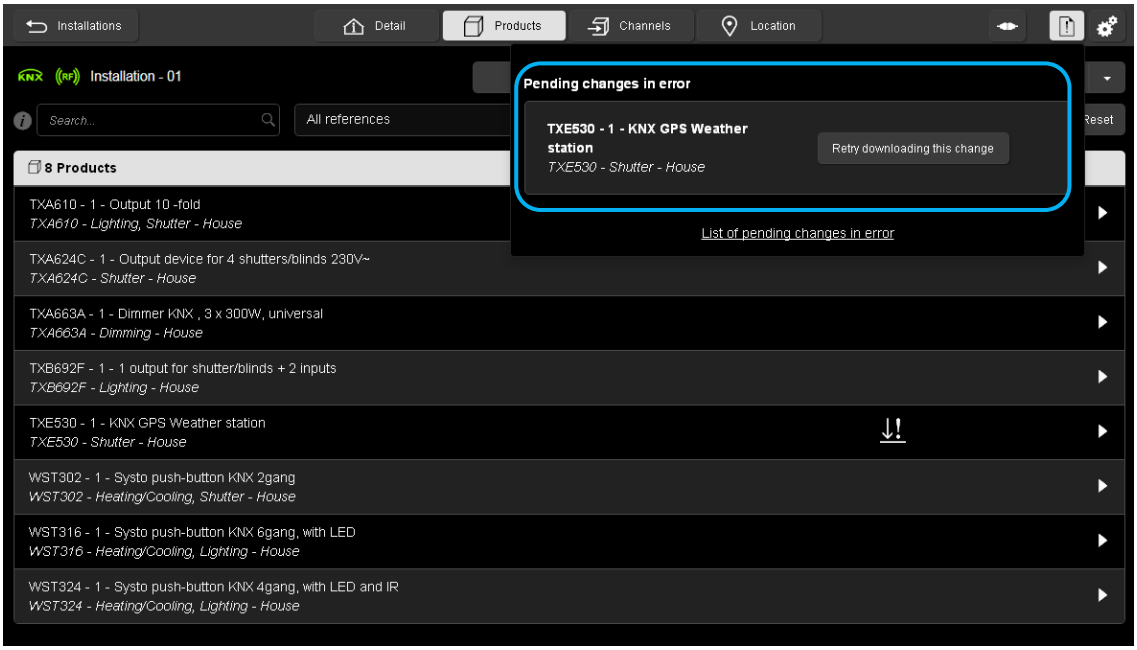
- **Example 1:** Product downloading error.



When downloading, the programming of an installation product was not correctly rolled out.

A symbol is displayed beside the affected product.

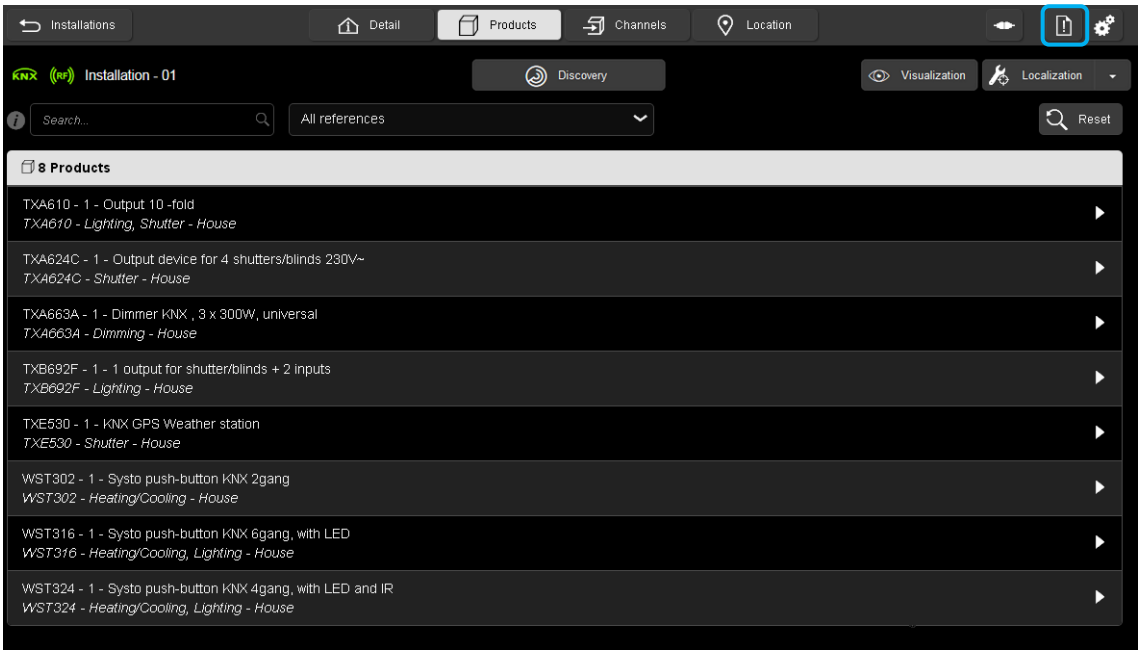
- Click on to display the list of notifications.



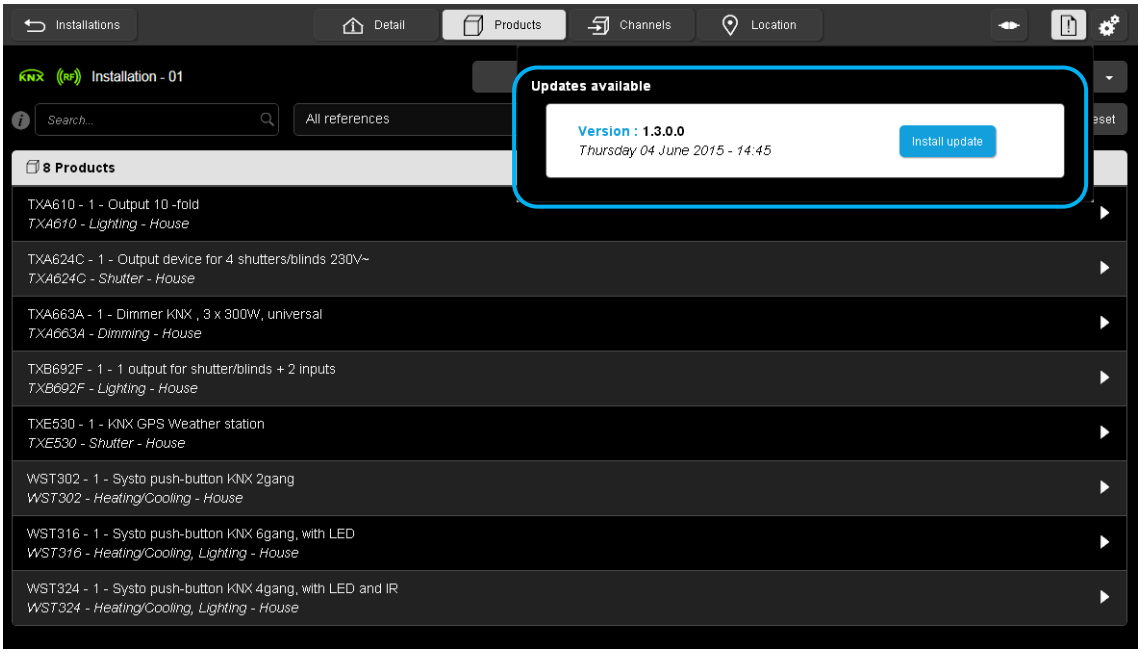
- Click on "**Retry downloading this change**" to programme the product.

> ➢ **Note:**
>
> If there is a downloading error, the configuration tool flags up the fault. Downloading must then be re-launched so that the changes are included in the installation.

- **Example 2:** Installation of a configuration server update.



- Click on to display the list of notifications.

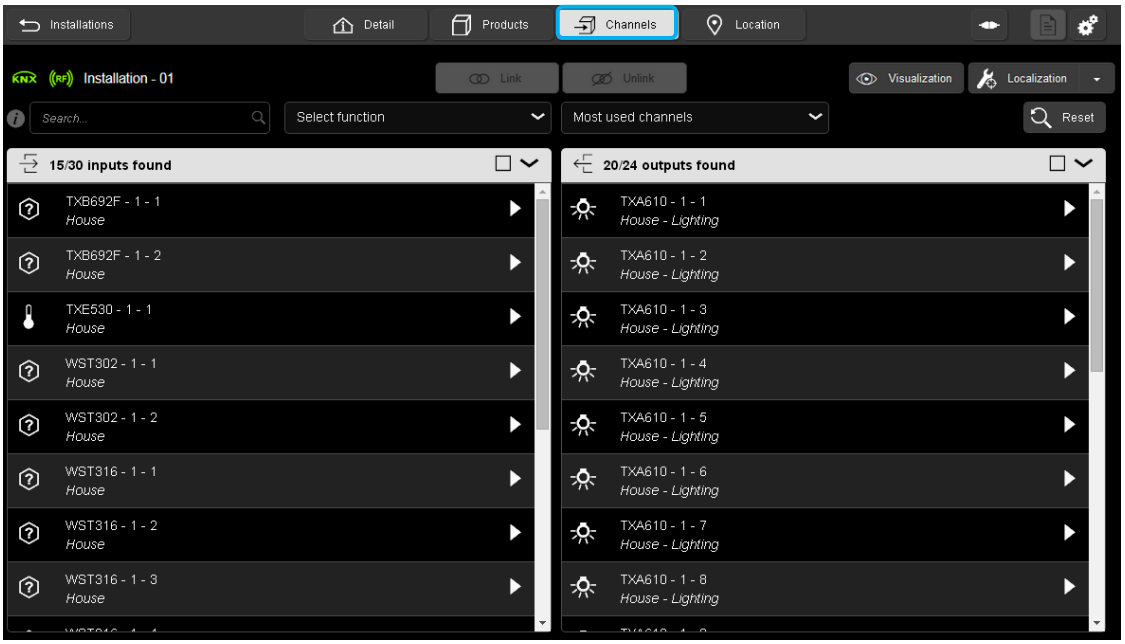


- Click "**Install update**" to launch programme installation.

7. CREATION OF LINKS

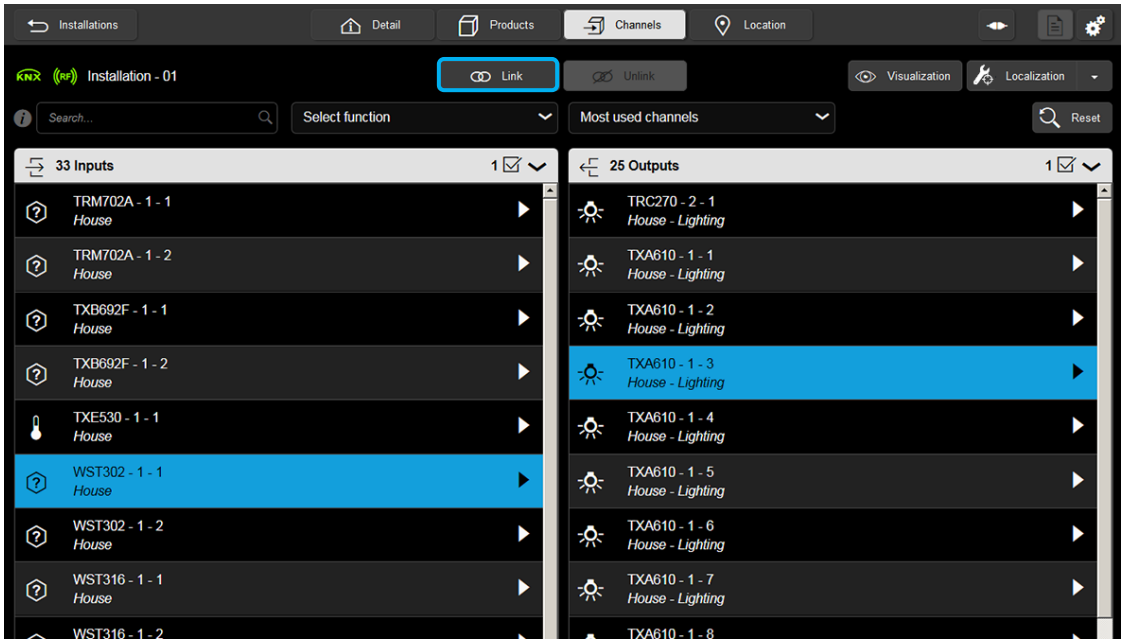
7.1 CREATION OF LINKS BETWEEN PRODUCTS

The creation of links enables linking of one or more inputs to one or more outputs, depending on the desired operational mode.
To be able to create a links between an input and an output, a function must be assigned to the input.



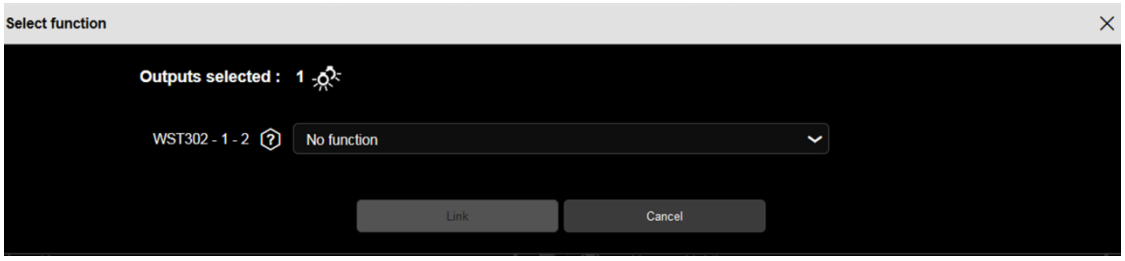
- Click on the **Channels** tab to see the list of inputs and outputs available from the installation.

7.1.1 SINGLE LINKS



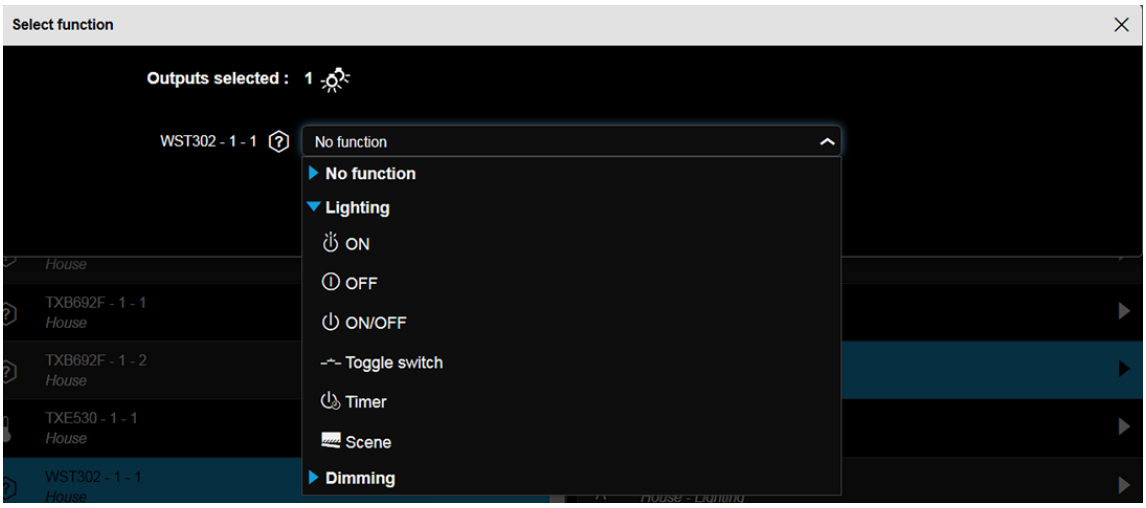
- Select an input and an output. The selected items are highlighted.
- Click **Link** to define the functions.

An “outputs selected’ window appears:

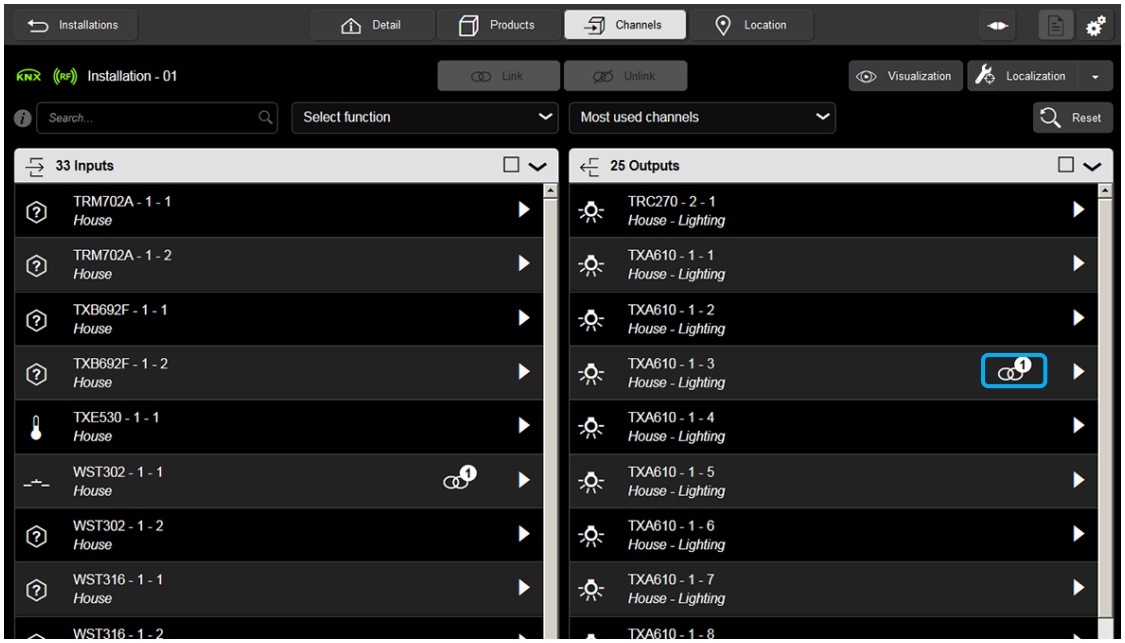


- Click on the “Select the function” tab.

> ➢ **Note:**
>
> If the input functions have already been allocated, the selection window is not displayed. The function has to be modified from the channel settings.

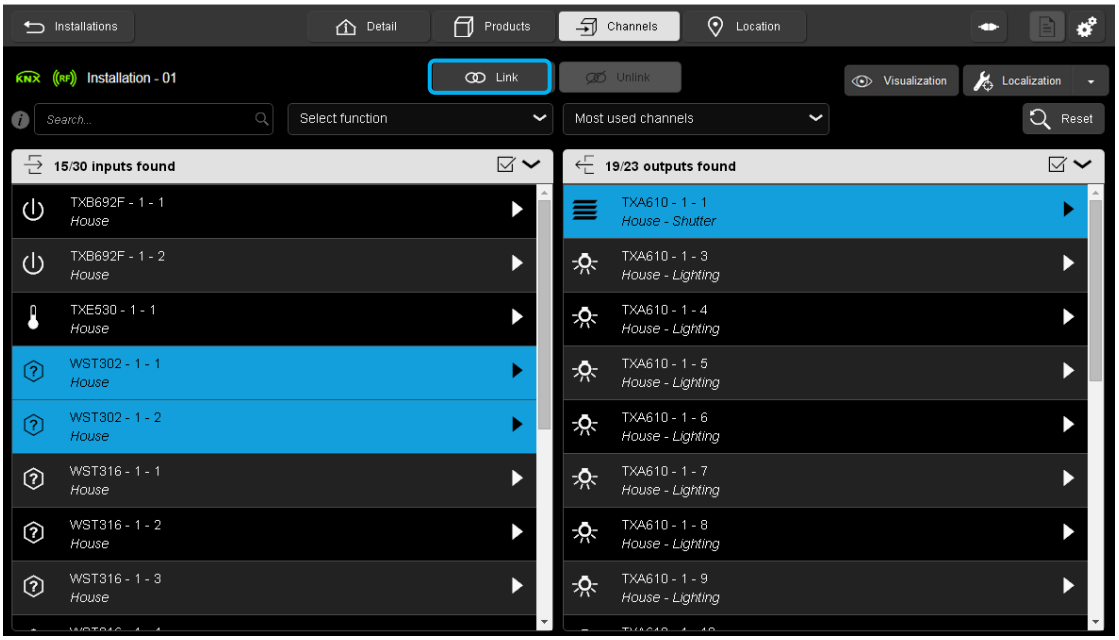


- Select the **Toggle switch** function from the scroll-down list.



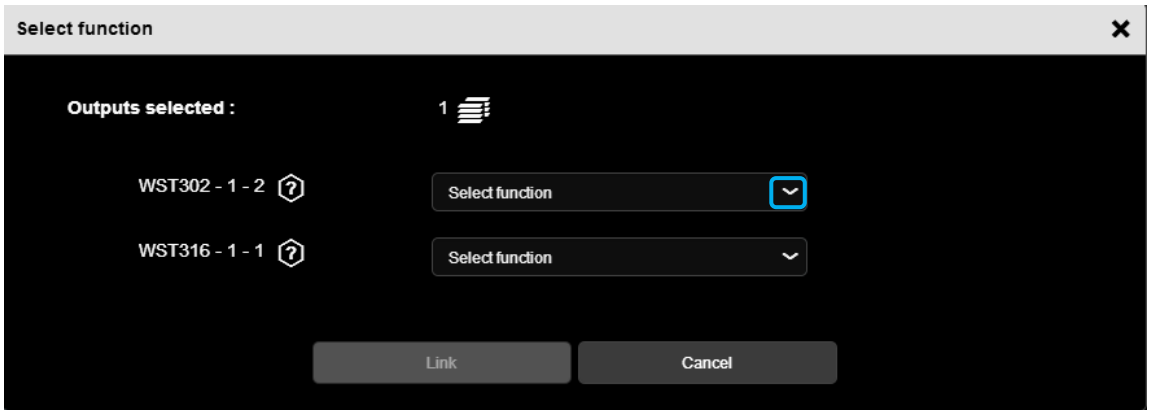
- The linked input and output are represented by the symbol.

7.1.2 COMPLEMENTARY LINKS



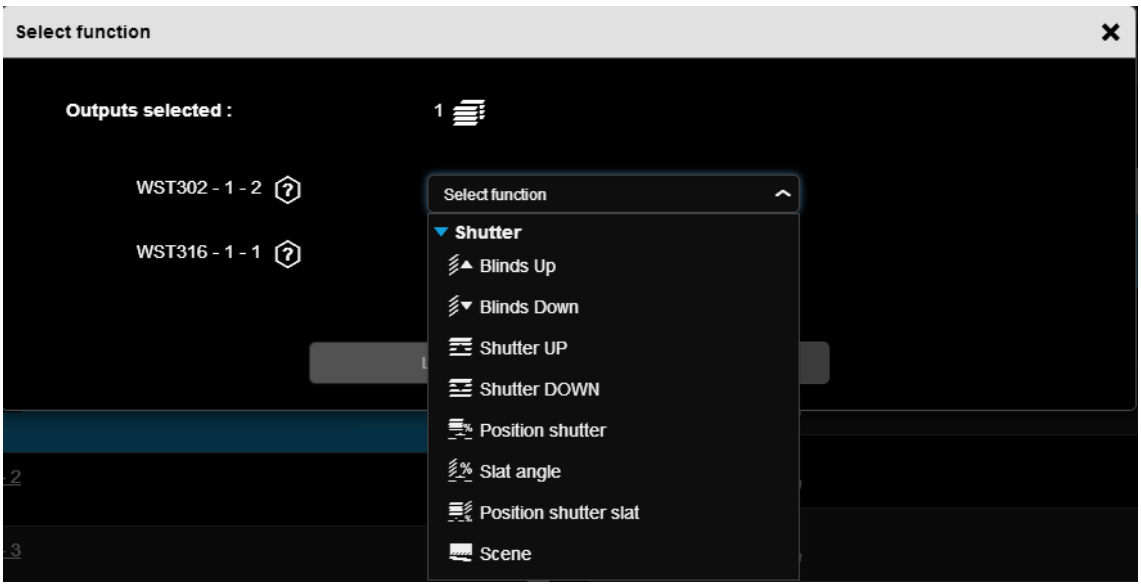
- Select one or more inputs and one or more outputs. The selections are highlighted.
- Click **Link** to define the functions.

An "Outputs selected" window appears:

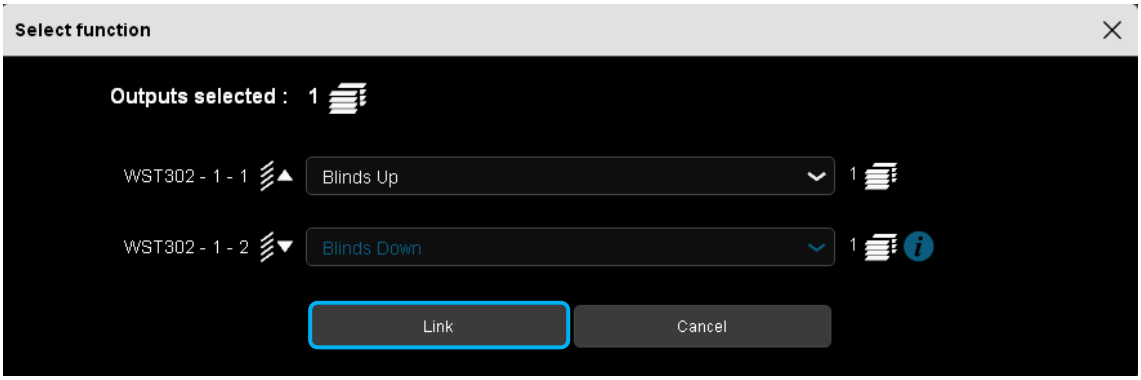


- Click on in the "Select function" tab.

> ➢ **Note:**
>
> If the input functions have already been allocated, the selection window is not displayed. The function has to be modified from the channel settings.

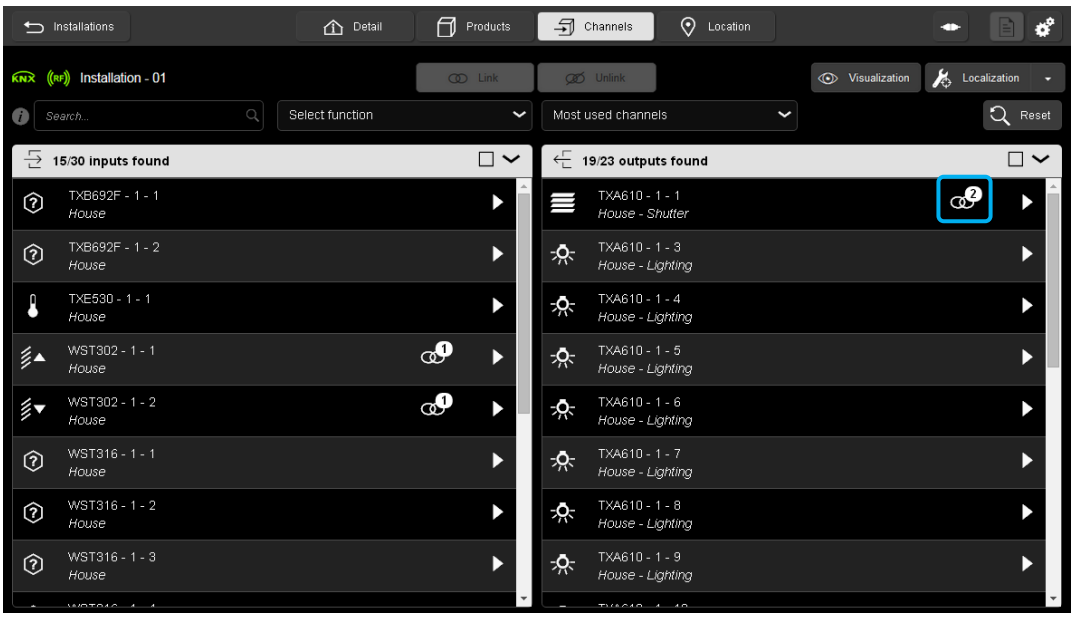


- Select the **Blinds Up** function from the scroll-down list.



After selecting the different functions, click **Link** to confirm your choices.
By default, the system suggests the complementary function on the second input (**Blinds Down**).

> ➢ **Note:**
>
> Depending on the type of function selected, the system will, by default, propose the associated function on the second input.

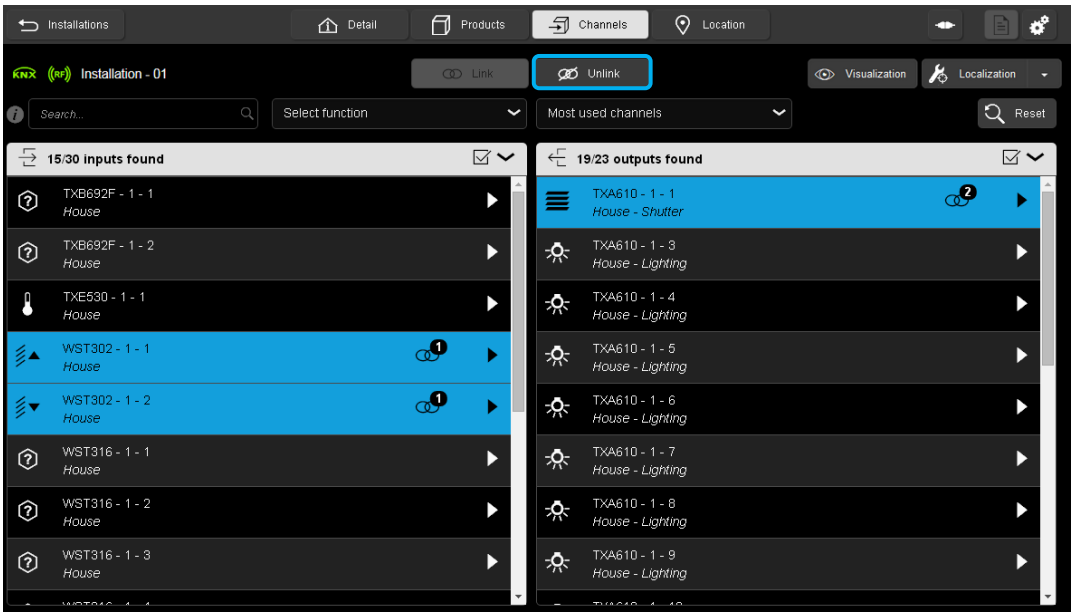


The inputs and outputs that are linked are represented by the symbol.

> ➢ **Note:**
>
> The number to the right of the symbol indicates the number of components linked to the output or input.
> For an input, the symbol indicates that the input controls 2 outputs
> For an output, the symbol indicates that the output is controlled by 2 inputs.

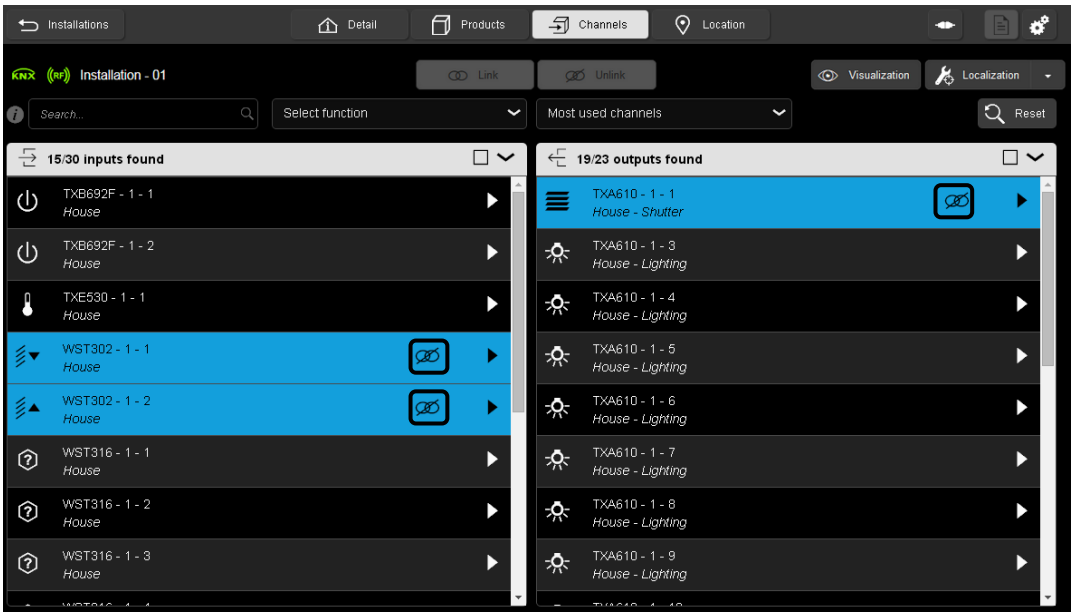
- At the end of the configuration, it is advisable to make a stop / start of the KNX bus.

7.2 DELETING LINKS BETWEEN PRODUCTS



To delete the links between the inputs and outputs:

- Select the linked inputs and outputs.
- Click **Unlink** to delete the link between the inputs and outputs.



A symbol temporarily appears on the unlinked components.

7.3 DEFINITION OF AN AUTOMATIC LINK

The purpose of this function is to automatically create links, depending on the choice of settings or the presence of a product, and to facilitate the configuration of products.
The automatic link is carried out from the fixed group addresses that are directly allocated after the discovery of products. These links are not visible from the channels view.

- **Automatic link in the products:** they cannot be modified though the configuration tool.

Transmitter products	Description	Group address	Receiver products
Domovea	Current date 1	30/0/032	Master/Slave clock Room ambient controller Energy manager Auto temperature controller
	Current time 1	30/0/033	
	Current date and current time 1	30/0/034	
Weather station	Current date 2	30/0/035	
	Current time 2	30/0/036	
	Current date and current time 2	30/0/037	
Master/Slave clock	Current date 3	30/0/038	
	Current time 3	30/0/039	
	Current date and current time 3	30/0/040	
Domovea Weather station Master/Slave clock	Current date and current time request	30/0/041	
Weather station Twilight switch	Brightness	30/0/002	Domovea Twilight switch
Weather station	Day/night	30/0/003	LED push-button Domovea Auto temperature controller
Weather station Energy manager	Exterior temperature	30/0/000	Domovea Room ambient controller Energy manager Auto temperature controller
Weather station	Wind speed	30/0/001	Domovea

- **Auto link via settings:** they can be modified though the configuration tool.

Transmitter products	Description	Group address	Receiver products
Weather station	Position % Façade 1	30/0/016	Bi-application output module Shutter/Roller-blind output module
	Slat position % Façade 1	30/0/017	
	Position % Façade 2	30/0/018	
	Slat position % Façade 2	30/0/019	
	Position % Façade 3	30/0/020	
	Slat position % Façade 3	30/0/021	
	Position % Façade 4	30/0/022	
	Slat position % Façade 4	30/0/023	
Weather station	Wind alarm 1	30/0/008	Domovea Bi-application output module Shutter/Roller-blind output module
	Wind alarm 2	30/0/009	
	Wind alarm 3	30/0/010	
	Rain alarm	30/0/011	
	Frost alarm	30/0/012	

7.3.1 AUTOMATIC LINK IN THE PRODUCTS

7.3.1.1 Current date and current time

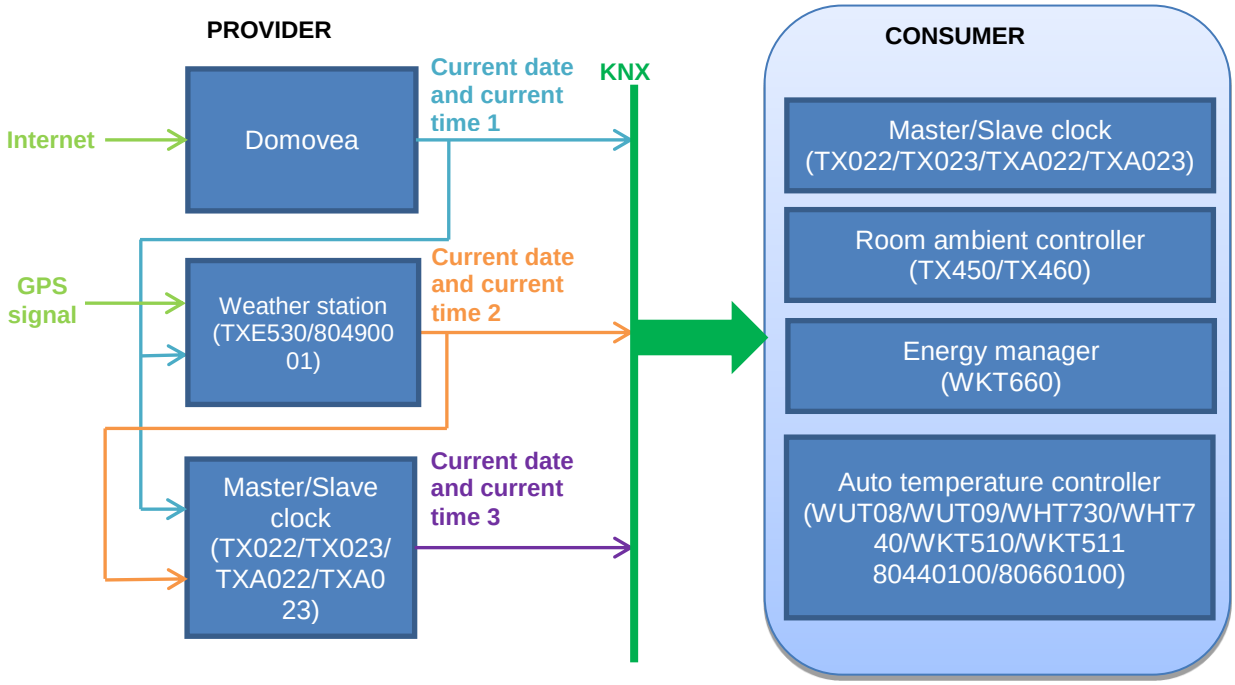
This automatic link is used by several products. They are comprised of several items, such as:

- Current date and time
- Current time
- Current date

Information on these items can come from 3 different sources, each with its priority:

- The Domovea system (priority 1 – the highest)
- The weather station (priority 2 – medium)
- A clock (priority 3 – the lowest)

If there is a Domovea system in the installation, the reference current date and time will be provided by this system (priority 1). If not, the weather station will provide the reference current date and time (priority 2). And finally, if neither of these products is present in the installation, the reference current date and time will be provided by a clock (see diagram below).



➢ **Note:**

At the end of discovery, the configuration tool transmits the current date and time on the group address, predefined as Current date and time 3, Current time 3 and Current date 3. Thus, at the end of the scan, those products requiring the current time and date are updated right away.

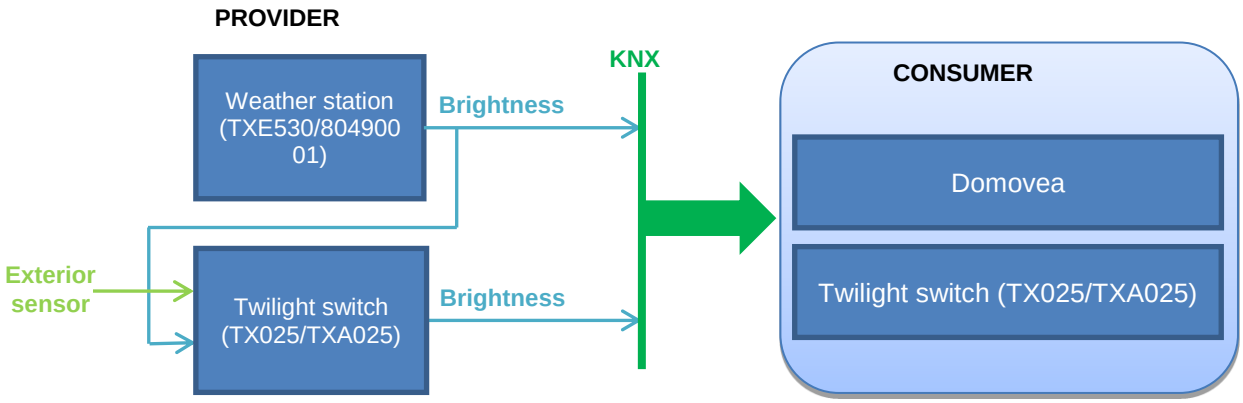
A request system (current date and time request) is implemented to ensure automatic management of the current date and time

7.3.1.2 Brightness

This automatic link is used by the twilight switches. They have a master/slave light intensity channel.

The Domovea monitoring system also uses this link but only for the slave channel.

These products are slaves by default. They become masters when a light intensity sensor is connected to a product.

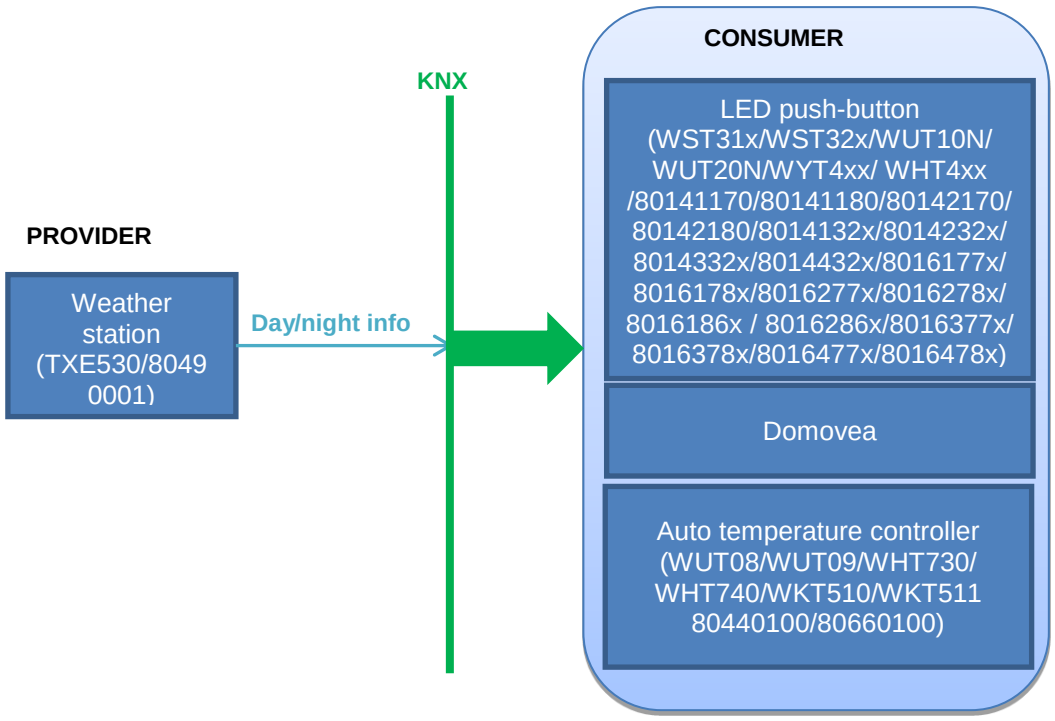


➢ **Note:**

The presence of the weather station indicates that the twilight switch does not need a sensor. A single light intensity sensor is sufficient.

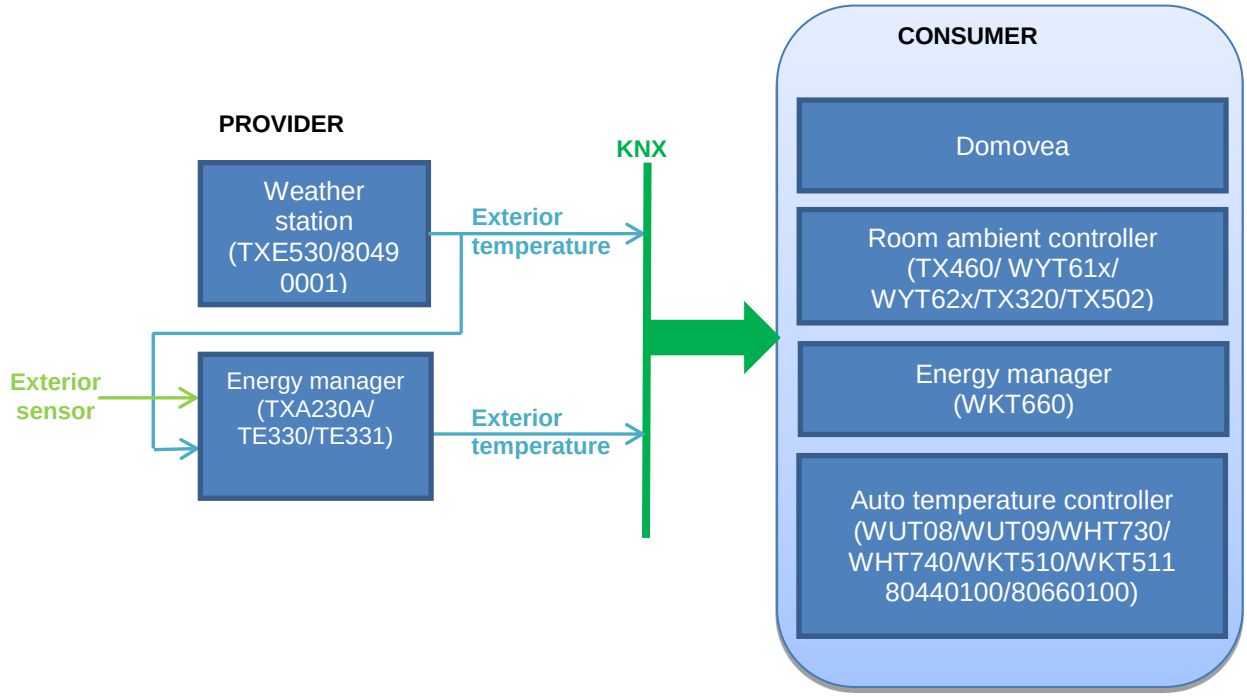
7.3.1.3 Day/night information

This automatic link is used by LED push-buttons, thermostats and the Domovea monitoring system. They have a channel that allows the indicator lights to be controlled from the front panel.



7.3.1.4 Exterior temperature

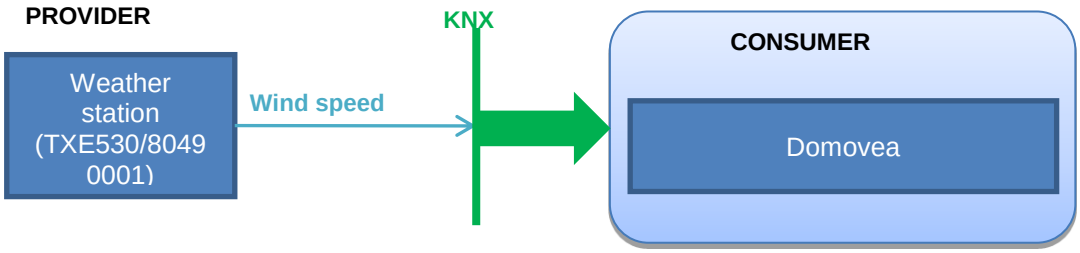
This automatic link is used by several products. They have a channel that enables the display or use of the exterior temperature.



> ➢ **Note:**
>
> The presence of the weather station indicates that the energy manager does not need a sensor. A single exterior temperature sensor is sufficient.

7.3.1.5 Wind speed

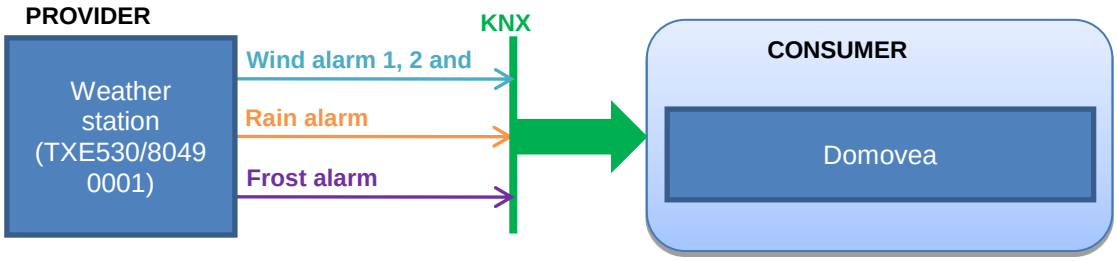
This automatic link is used by the Domovea monitoring system. It has a channel that enables the display of wind speed.



7.3.1.6 Bad weather alarm

This automatic link is used by the Domovea monitoring system. It has channels that enable display of the status of the:

- wind alarm 1, 2 and 3
- rain alarm
- frost alarm

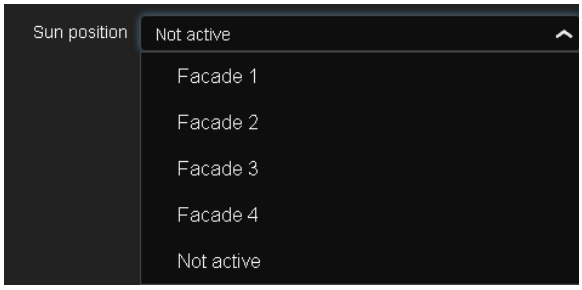


7.3.2 AUTOMATIC LINK VIA SETTINGS

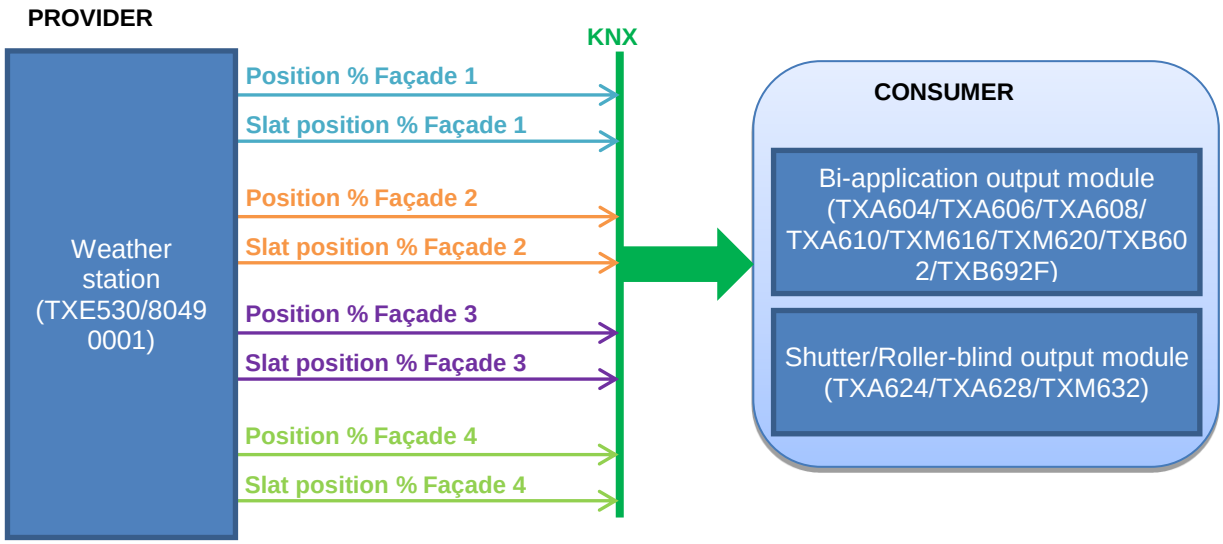
7.3.2.1 Solar tracking

Solar tracking can be enabled on a shutter output, depending on the configuration tool setting.

On the shutter output

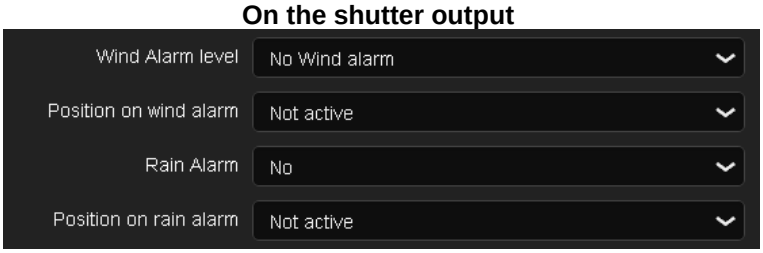


This setting positions the pre-defined group addresses for solar tracking.

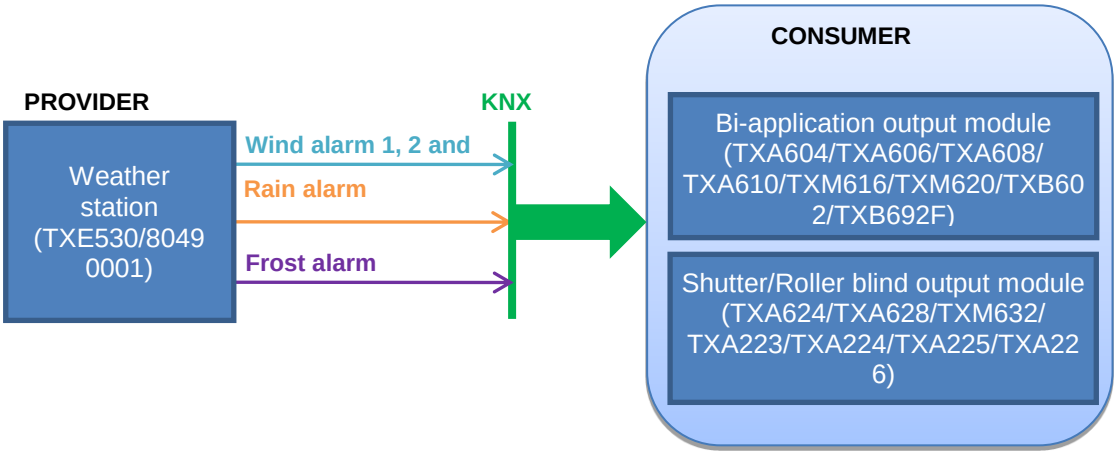


7.3.2.2 Bad weather alarm

Bad weather alarms can be enabled on a shutter output depending on the configuration tool setting.



This setting positions the pre-defined group addresses for solar tracking.



7.4 ADDRESS RANGES USED BY THE CONFIGURATION TOOL

Since the TXA100 configuration tool operates using the KNX principle, individual and group address ranges were defined as indicated in the below tables:

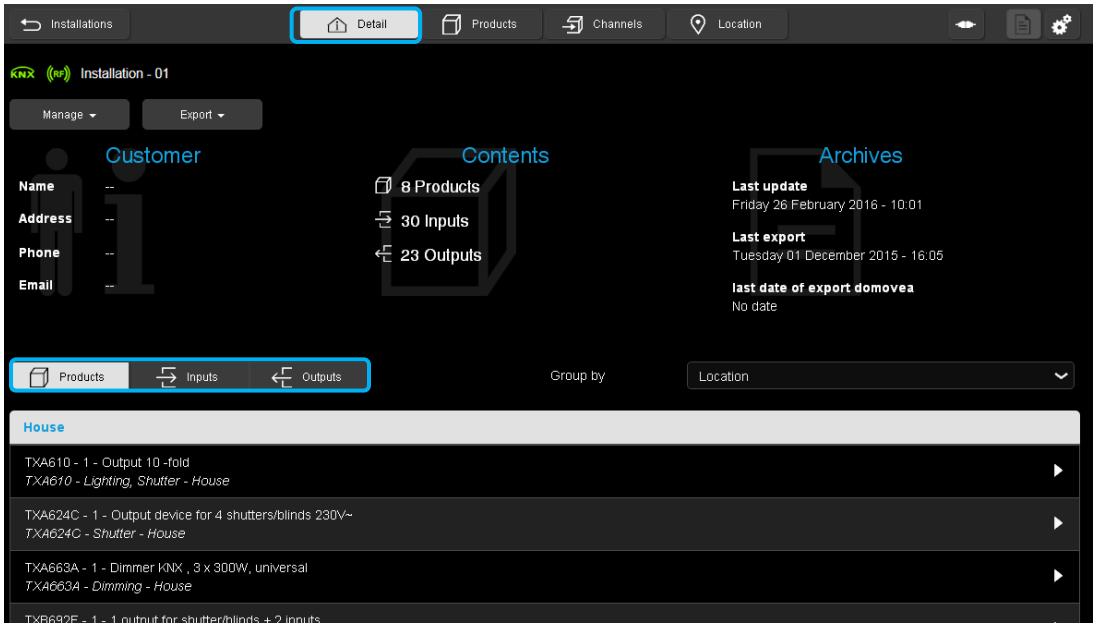
Individual addresses:

TP products	0.2.1 to 0.2.253
RF products	1.5.1 to 1.5.253
Media coupler	1.5.0

Group addresses:

Address range	**Use**
24/4/0 to 27/7/255	Wired products
0/4/0 to 1/7/255	Radio products
28/0/0 to 29/7/255	Radio products on the wired bus (translated addresses)
2/4/0 to 5/7/255	Domovea commands
24/0/0 to 24/1/254	Localisation mode
30/0/0 to 30/0/255	Automatic links
0/0/0 to 0/0/255	Default links

8. INSTALLATION MANAGEMENT



- Click **Detail**. The name of the installation is displayed.

On this window, you will find:

- The Customer's information:
  - ✓ Name
  - ✓ Address
  - ✓ Phone
  - ✓ Email
- The installation contents:
  - ✓ The number of products
  - ✓ The number of inputs
  - ✓ The number of outputs
- The installation archives:
  - ✓ Last update
  - ✓ Last export
  - ✓ Last date of export Domovea
- 2 tabs:
  - ✓ Manage:
    - Relearn installation
    - Factory reset
    - Factory reset of unknown TP products
    - Factory reset of unknown RF products
    - Download the installation changes
    - Factory reset of RF coupler
    - RF coupler detection
  - ✓ Export
    - Save the installation
    - Export the installation to domovea (locally)
    - Export the installation to domovea (directly)
    - Export the installation report

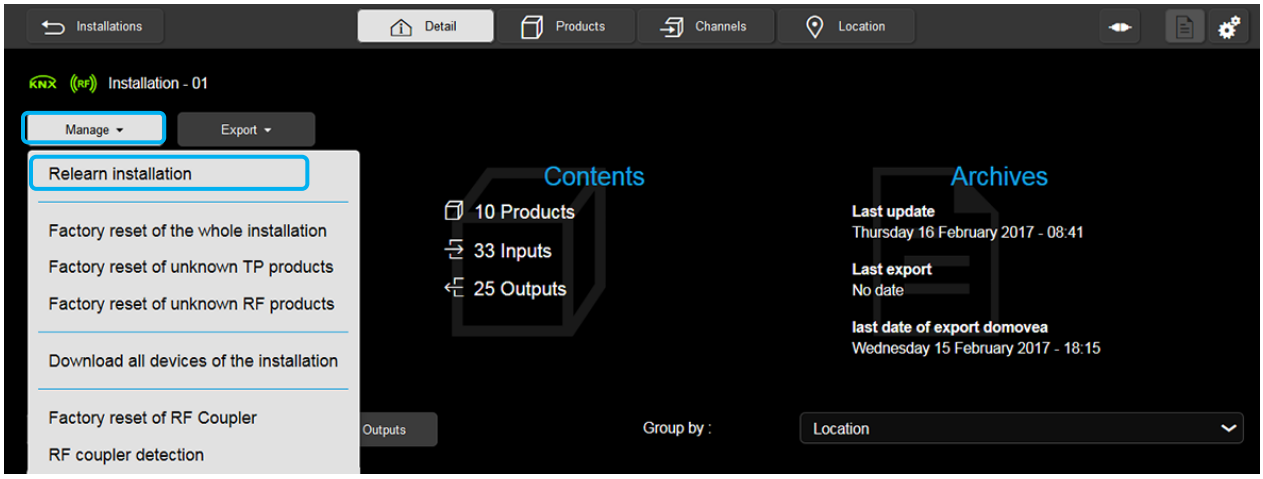
- Group by installation location.

- Organise the contents in different tabs:
  - ✓ Products
  - ✓ Inputs
  - ✓ Outputs.

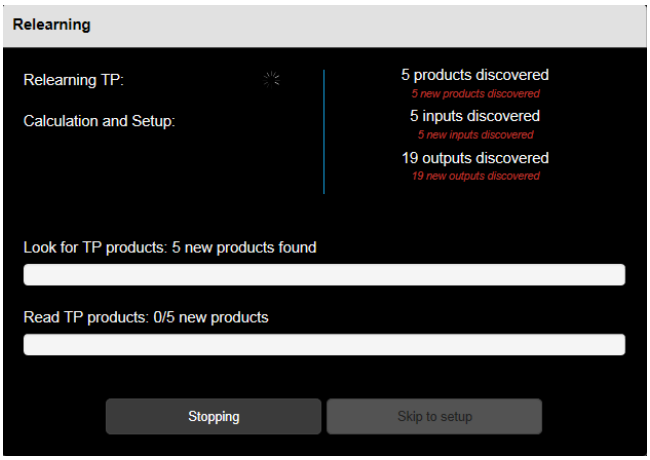
8.1 RELEARN INSTALLATION

This function lets you go through the setting and the installation links again, from the installation itself. The configuration tool searches for products present in the installation, as well as the links between the different products.

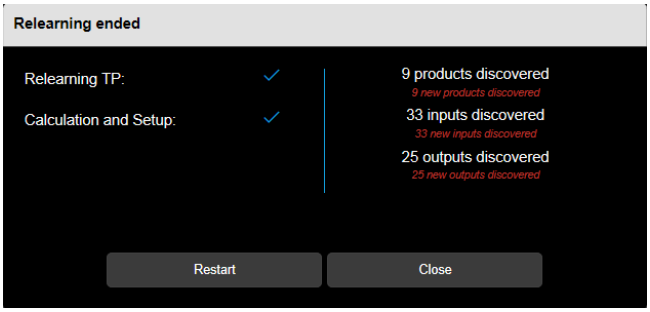
- Create a new installation (see chapter 4.1).
- Click on the **Detail** tab.



- Click on the **Manage** tab.
- Click on **Relearn installation.**



The configuration tool scans the installation, searching for different products.



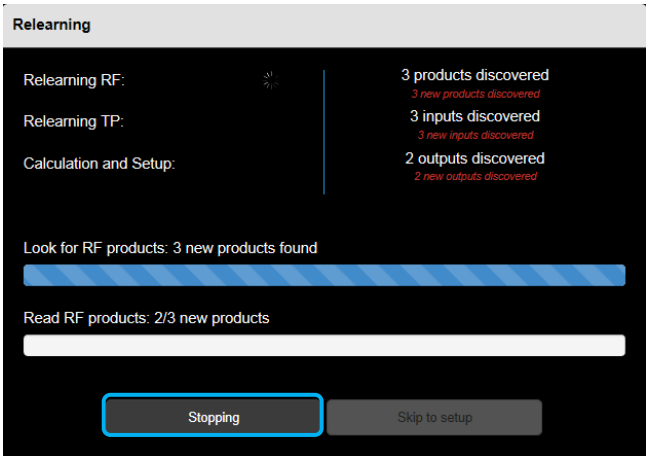
- When relearning is finished, click on the **Close** tab.

The window shows a certain number of products detected as well as the number of associated inputs and outputs.

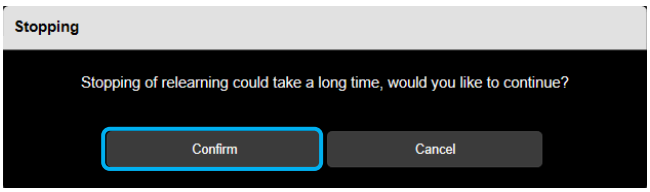
> ➢ **Note:**
>
> The duration of relearning depends of the size of the installation. However, the duration is approximately 15 minutes for a "standard" installation.

During relearning, the configuration tool allows:

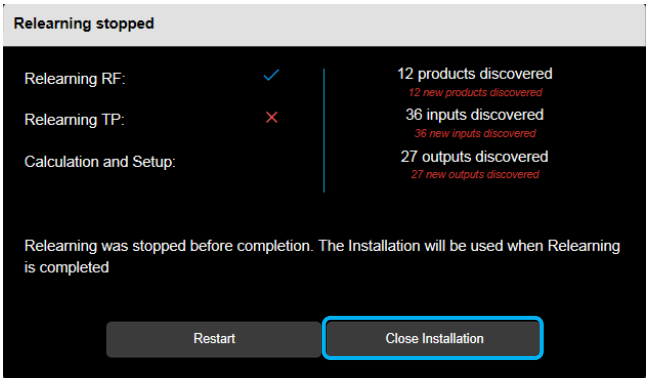
- **Relearning to be stopped:**



- Click **Stopping.**

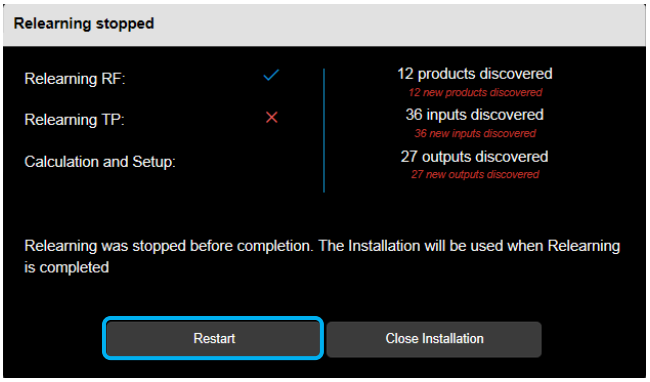


- Click **Confirm** to continue.



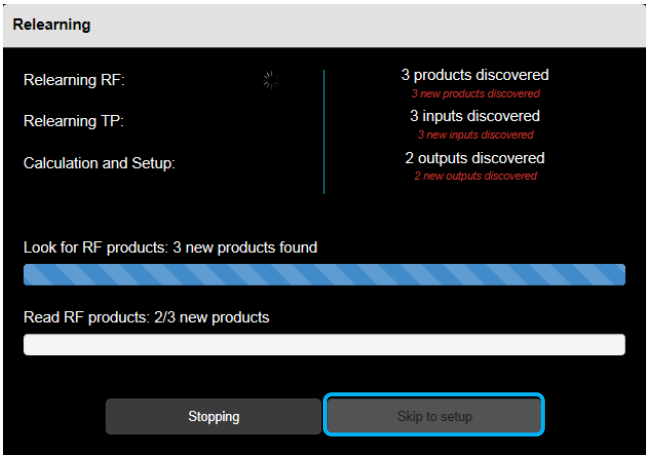
- Click **Close Installation** to return to the list of installations.
  When you reopen the installation, the configuration tool resumes relearning from the point when it was stopped.

▪ **Restarting relearning after an interruption:**



- Click Restart to resume relearning from the point when it was stopped.

▪ **Skipping to setup during relearning if the system allows:**



- Click **Skip to setup** to access the settings for already recognised products.
- Restart relearning to complete the installation.

➢ **Note:**

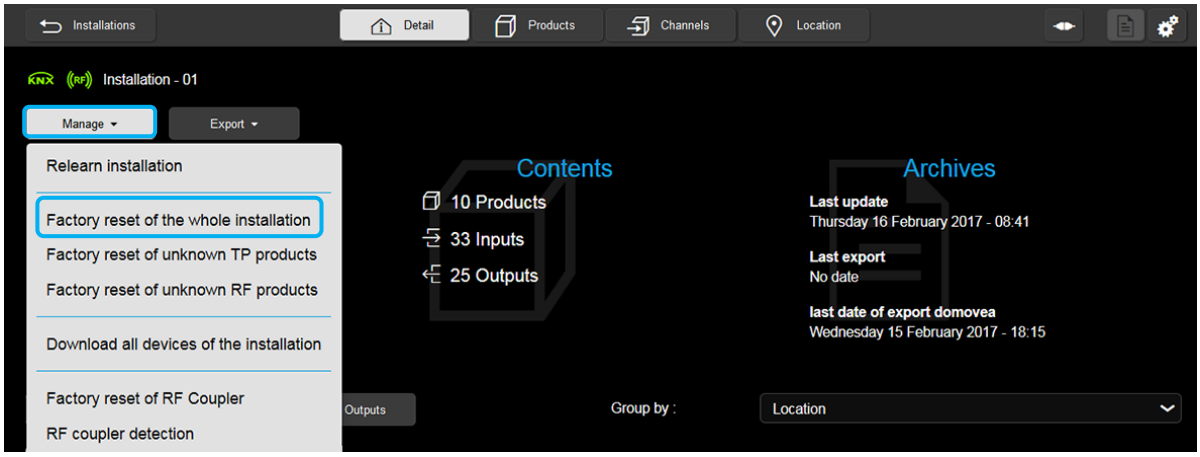
The duration of relearning depends of the size of the installation. However, the duration is approximately 15 minutes for a "standard" installation.

8.2 FACTORY RESET

Factory reset enables reloading of the default settings (factory setting configuration). The product can then be recognised by the configuration server again.

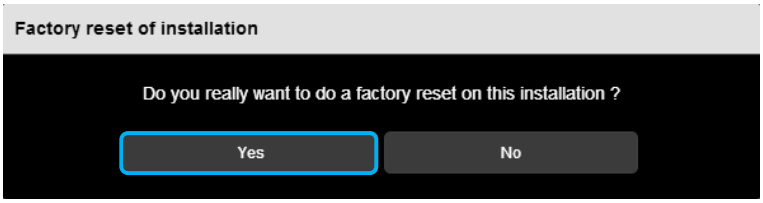
8.2.1 FACTORY RESET (OF THE INSTALLATION)

The default settings will only be reloaded in products belonging to the installation.



- Click on the **Manage** tab.
- Click on **Factory reset**.

A "Factory reset of an installation" window appears:

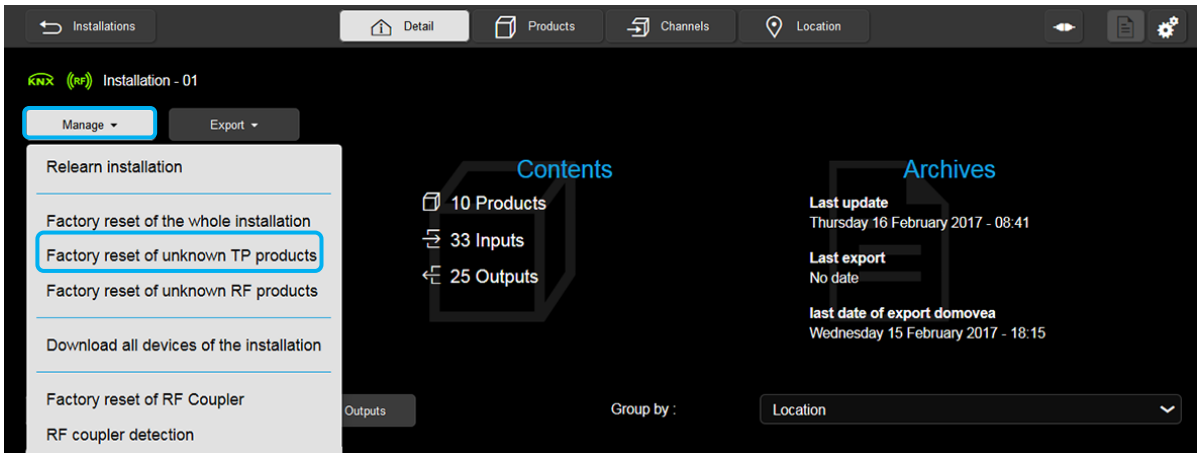


- Click **Yes** to confirm.

> ➢ **Note:**
>
> A factory reset can also be performed just on the product (see chapter 6.1.3)

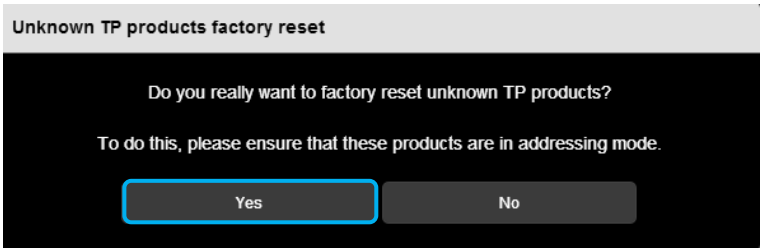
8.2.2 FACTORY RESET OF UNKNOWN TP PRODUCTS

The default settings will only be reloaded in wired products not belonging to the installation.



- Click on the **Manage** tab.
- Click on **Factory reset of unknown TP products**.

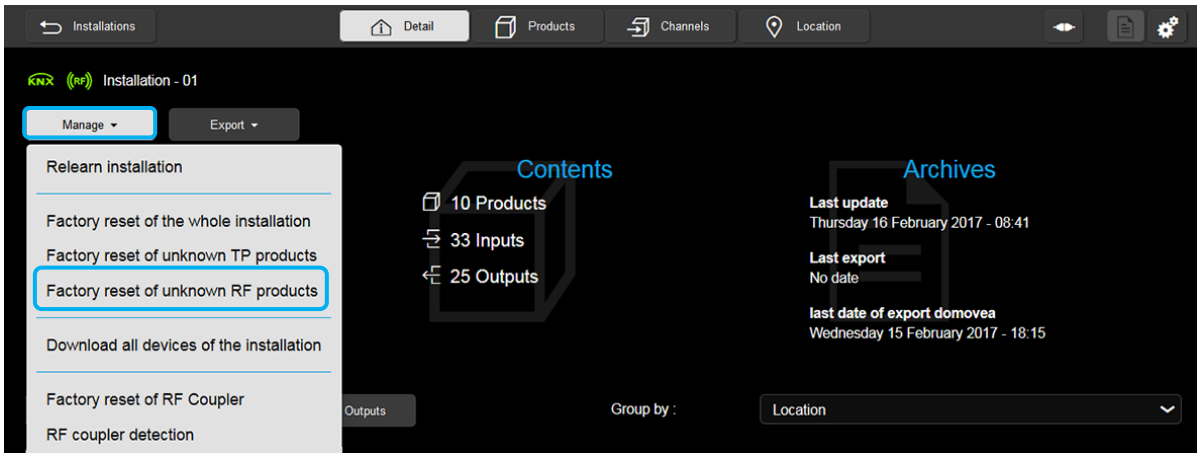
An "Unknown TP products factory reset" window appears:



- Press the Physical address button for the relevant products.
- Click **Yes** to confirm.

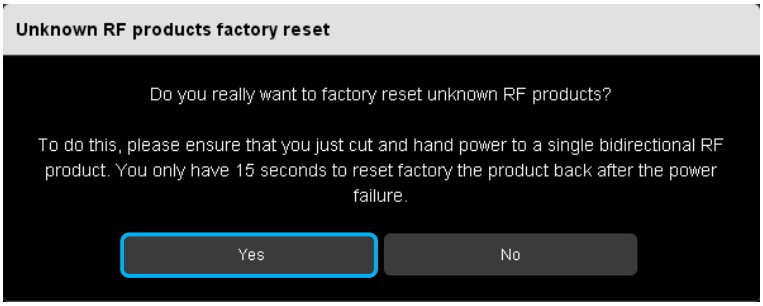
8.2.3 FACTORY RESET OF UNKNOWN RF PRODUCTS

The default settings will only be reloaded in radio products not belonging to the installation.



- Click on the **Manage** tab.
- Click **Factory reset of unknown RF products**.

An "Unknown RF products factory reset" window appears:



- Press the radio product CFG button

OR

- Switch the radio product on/off.
- Click **Yes** to confirm.

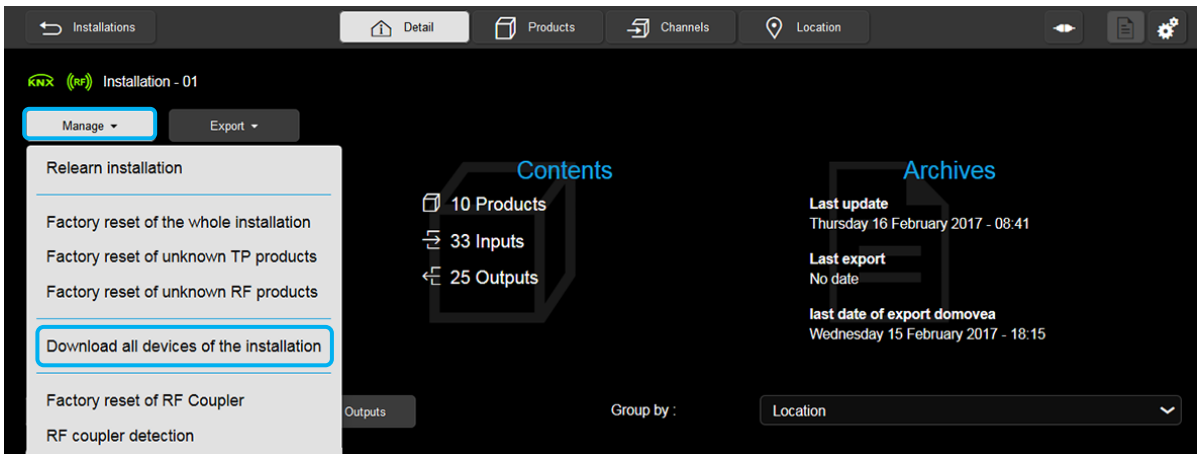
8.3 DOWNLOADING

Downloading enables reloading of the installation settings in each product. It thus restores consistency between the installation configuration and the setting stored in the configuration server.

There are several downloading modes.

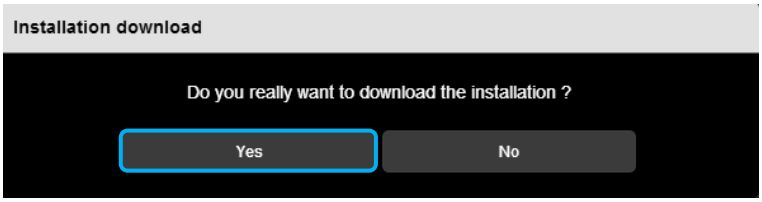
- Downloading a product (see chapter 6.1.3)
- Downloading modifications only (see chapter 9.1)
- Downloading from a notification (see chapter 6.5)
- Downloading the entire installation

This last function is mainly used when the installation setting is faulty. This downloading reprograms all of the products with the last setting that was backed up.



- Click on the **Manage** tab.
- Click **Download of devices of the installation.**

An "Installation download" window opens:



- Click **Yes** to confirm.

> ➢ **Note:**
>
> Downloading is essentially used when modifications have been made to the settings when the configuration tool is not linked to the installation bus.

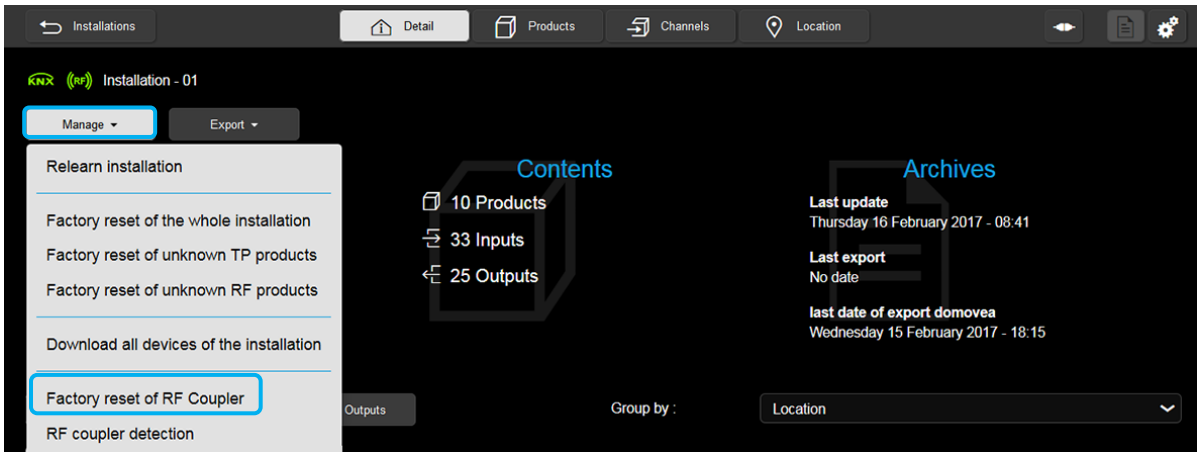
8.4 RF COUPLER

Two functions are available to facilitate installation of the media coupler:

- **Factory reset the RF Coupler** in order to return the product to its original configuration for detection
- **RF coupler detection** in order to integrate the product into the project

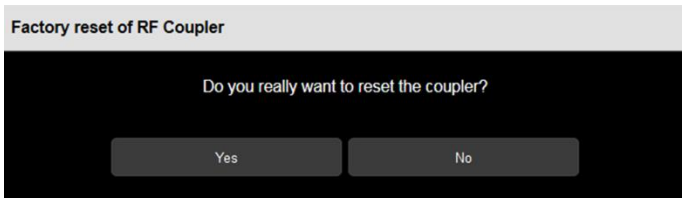
> ➢ **Note:** These functions are only visible when there is a media coupler in the project.

8.4.1 FACTORY RESET THE RF COUPLER



- Click the **Manage** tab.
- Click **Factory reset RF Coupler.**

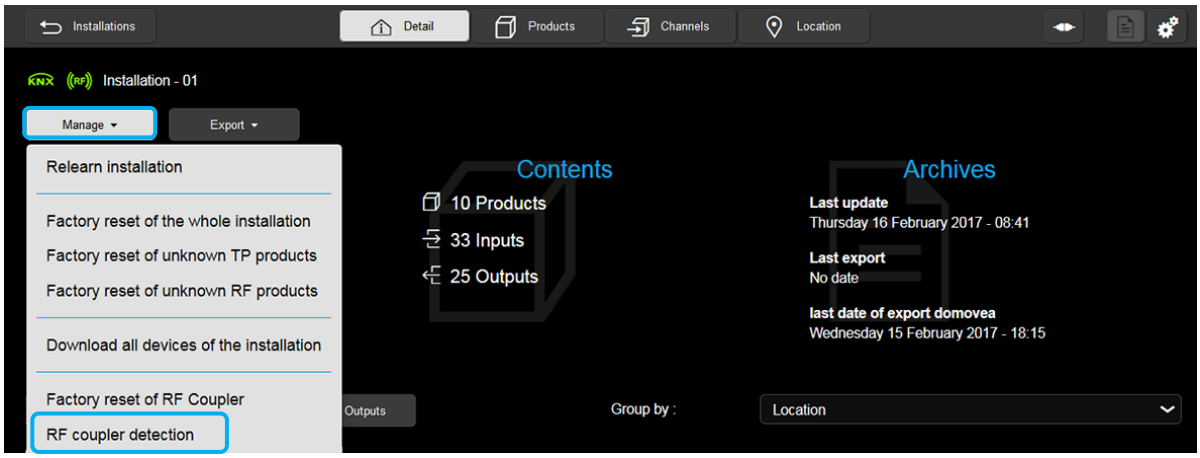
A window appears:



- Click **Yes** to confirm.

The RF coupler will be returned to factory settings to be integrated into a project.

8.4.2 RF COUPLER DETECTION



- Click the **Manage** tab.
- Click **RF coupler detection**

The configuration tool searches for the available media coupler and integrates it into the project.

The (RF) symbol turns green to indicate that the media coupler was properly connected.

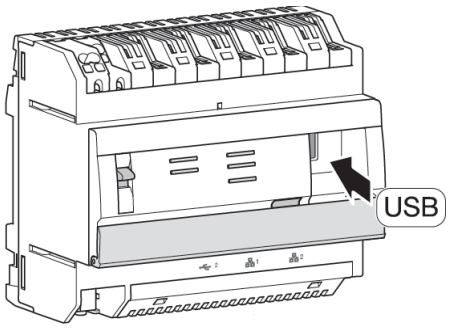
8.5 EXPORT

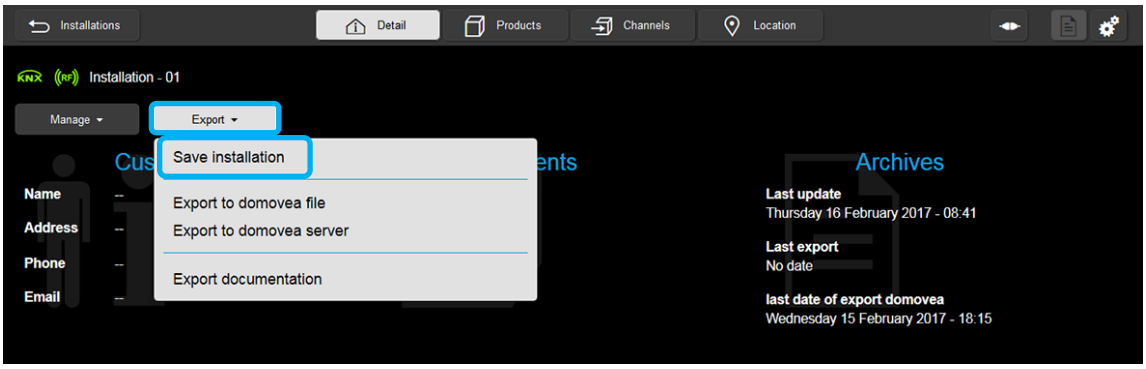
8.5.1 SAVE INSTALLATION

The created installation is backed up in the configuration server.
Exporting an installation backs the project up on different computer storage media.
Exporting can be performed from a tablet or Smartphone by connecting a USB key to the configuration server, or from a PC.

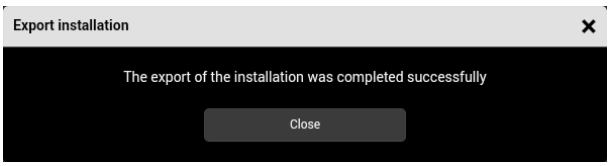
- **From a tablet or Smartphone**

  - Insert the USB key into one of the configuration server's USB ports.





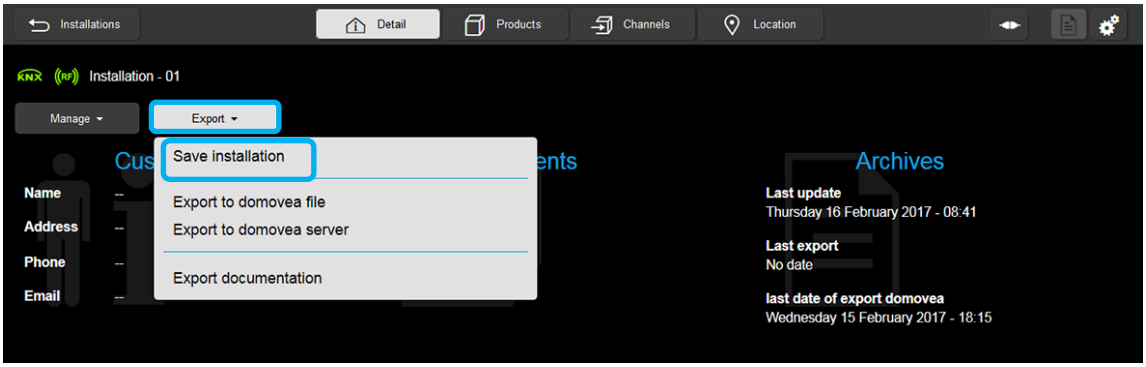
  - Click on the **Export** tab**.**
  - Click on **Save installation** to generate the back-up of the installation in "**.txa**". The file name corresponds to the application name.



  - Archive the backed up file.

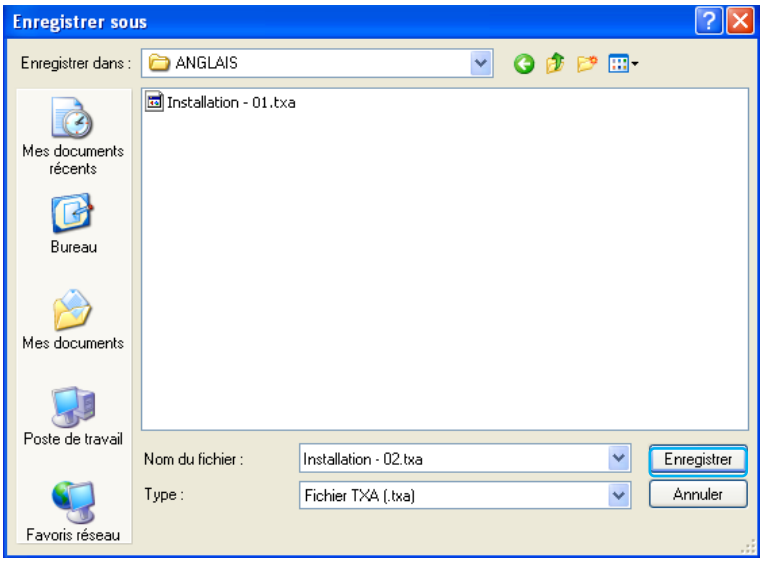
To restore the configuration, please see chapter 4.2.1

- **From a PC**



- Click on the **Export** tab**.**
- Click on Save **installation** to generate the back-up of the installation.

A window appears:



The file name corresponds to the application name by default.

- Click **Save.**
- Archive the backed up file.

> ➢ **Note:**
>
> The file management window may not appear. In this case, the file is directly generated with the default name in the downloading directory in your web browser. For this window to appear, refer to your web browser settings in the Downloading tab.

To restore the configuration, please see chapter 4.2.2

8.5.2 EXPORTING THE INSTALLATION TO DOMOVEA

When the setting is complete, the configuration can be automatically transferred to a Domovea server. In this case, all device types as well as the layout of the house are generated.

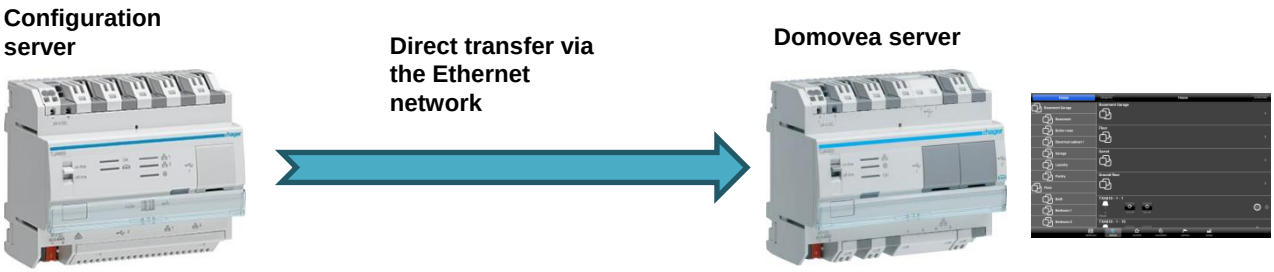
There are two transfer methods:

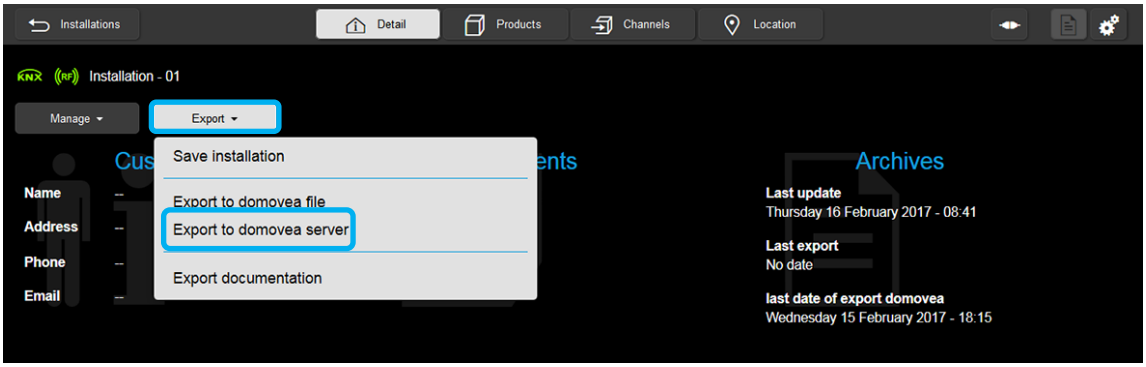
- Export the installation to Domovea (locally): settings transfer is carried out using a configuration file, which is manually imported to Domovea.
- Export the installation to Domovea (directly): the transfer is direct when the configuration server and the Domovea server are found on the same IP network.

> ➢ **Note:**
>
> To be able to transfer a file, you must have Domovea version 3.6.0.2 as a minimum.

8.5.2.1 Exporting the installation to Domovea (directly)

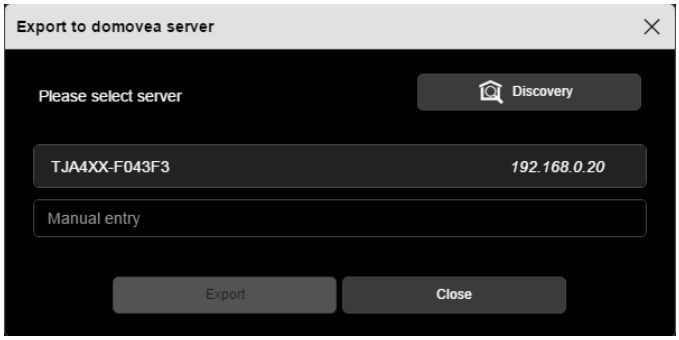
The transfer is direct when the configuration server and the Domovea server are found on the same IP network.





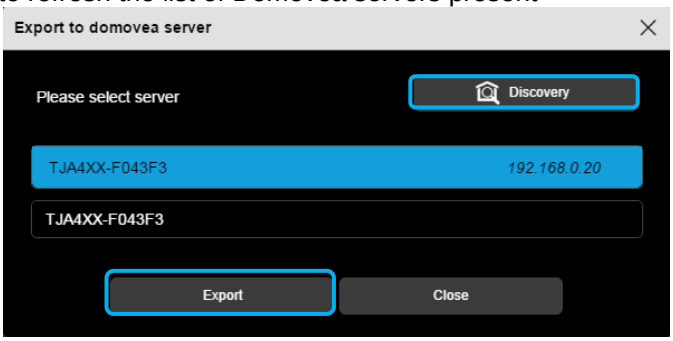
- Click on the **Export** tab**.**

- Click on **Export to Domovea server (directly)**



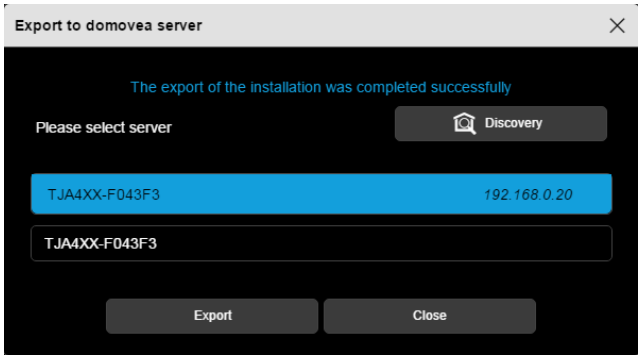
The configuration programme offers a list of Domovea servers present on the network.

- Click on **Discovery** to refresh the list of Domovea servers present



- Select the relevant Domovea server or manually enter the name of the server.
- Click **Export** to transfer the configuration.

Loading is automatic.

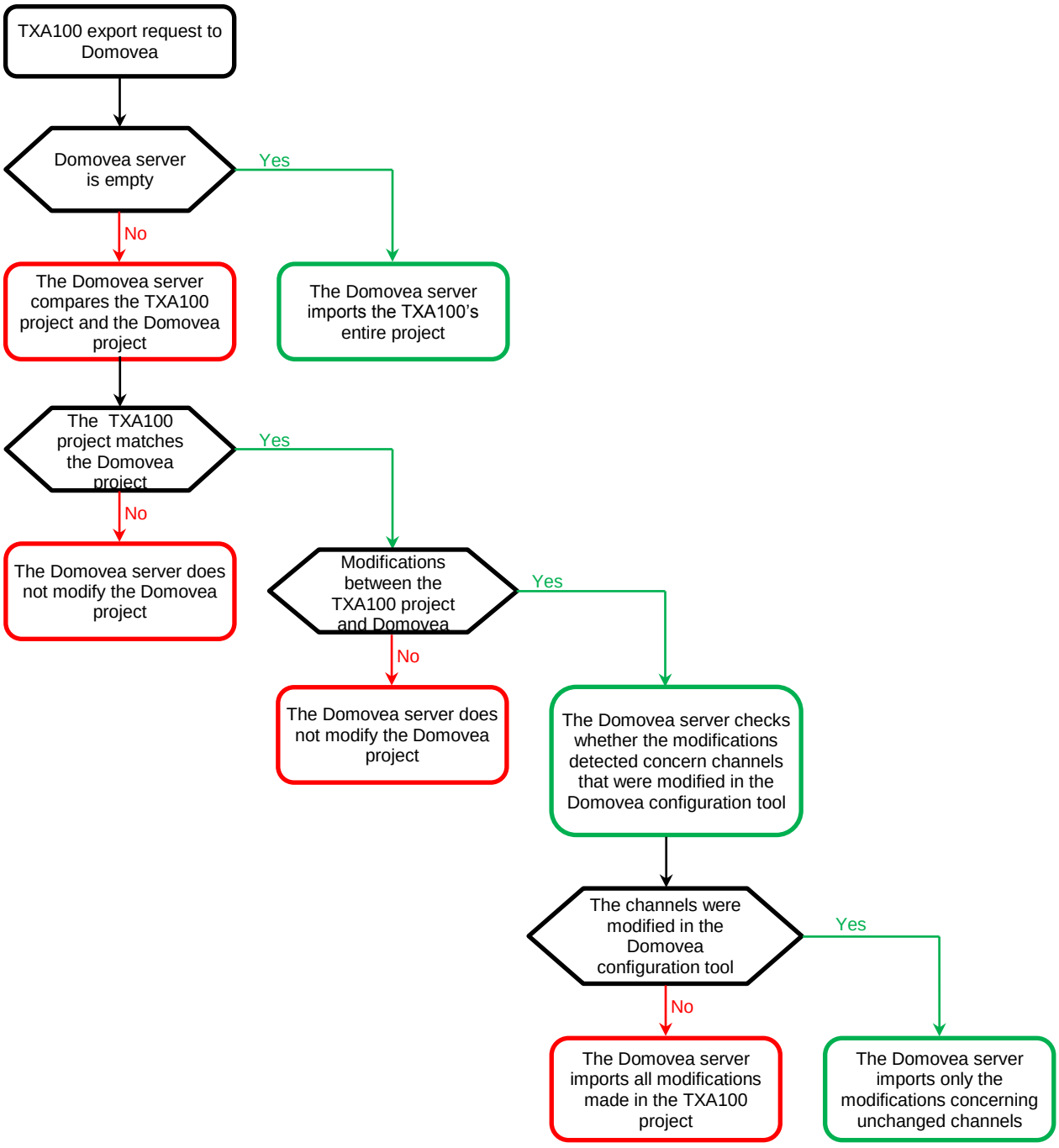


A message indicates that the export has been successfully completed.

- Launch the Domovea client. Devices are displayed according to the exported setting.

✓ Domovea's incremental exporting

Domovea's export function is able to compare the TXA100 installation file with the Domovea project file. The block diagram below shows Domovea's incremental exporting:



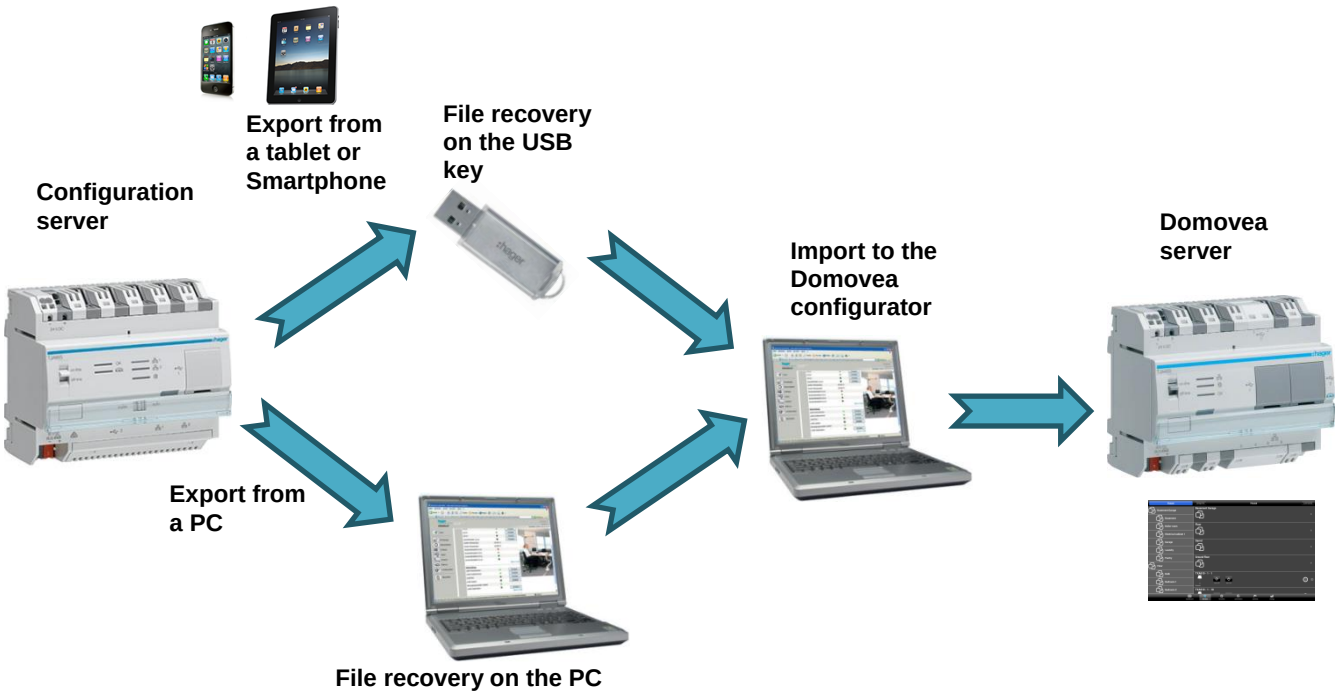
➢ **Note:**

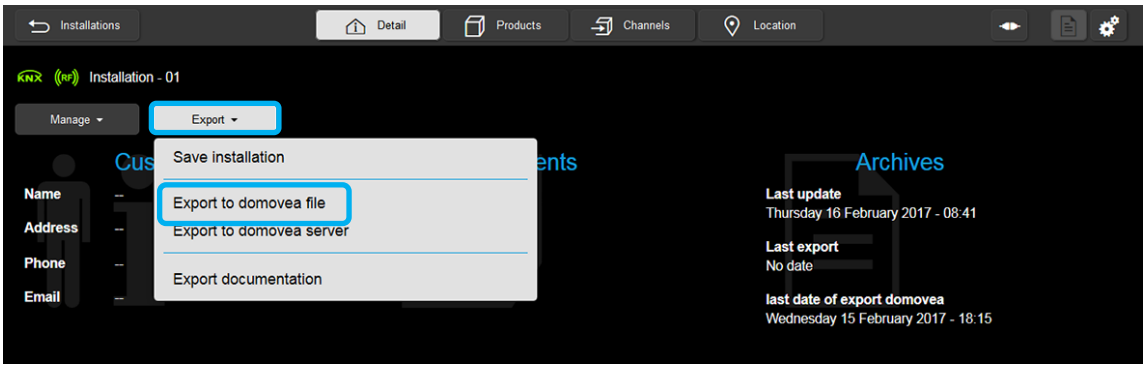
Domovea's incremental exporting is only available on version 3.6.0.2 of the Domovea software.

Domovea's incremental exporting is not compatible with a Domovea project generated using the **TX100**. A new export of the TXA100 project must be completed leading to the loss of modifications made using the Domovea configuration tool.

8.5.2.2 Exporting the installation to Domovea (locally)

Settings transfer is carried out using a configuration file, which is manually imported to Domovea.

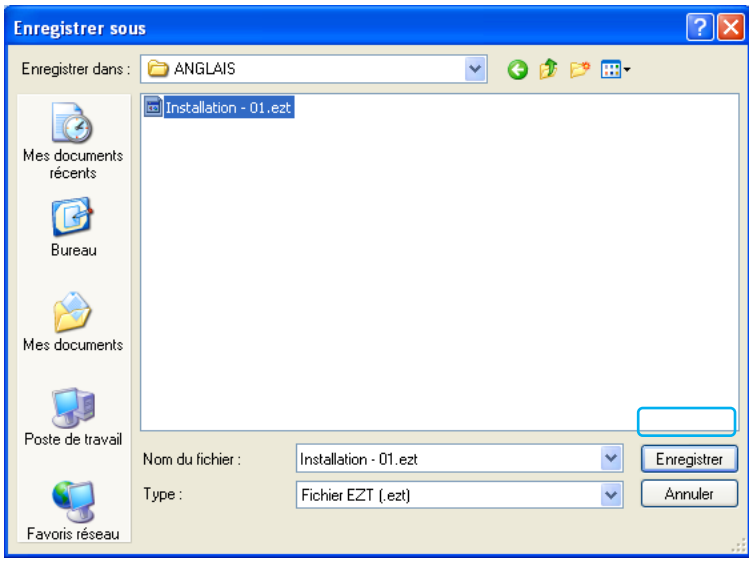




- Click on the **Export** tab**.**

- Click on **Export the installation to Domovea (locally)** to generate the Domovea installation file in "**.ezt**" format.

A window appears:



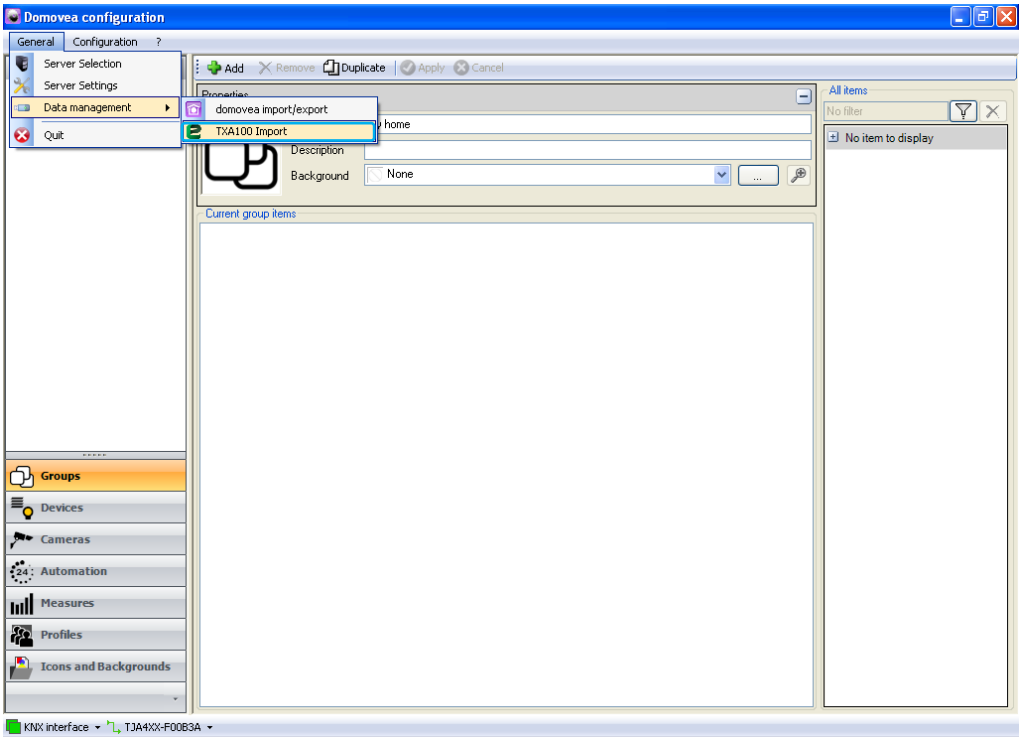
The file name corresponds to the application name by default.

- Click **Save.**

> ➢ **Note:**
>
> The file management window may not appear. In this case, the file is directly generated with the default name in the downloading directory in your web browser. For this window to appear, refer to your web browser settings in the Downloading tab.

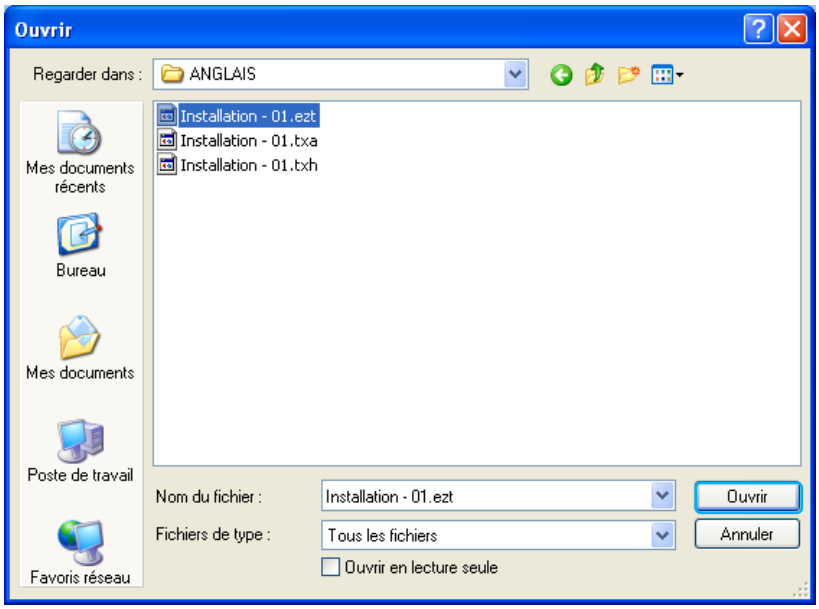
- Launch the Domovea configurator.

Domovea configurator (configuration tool)



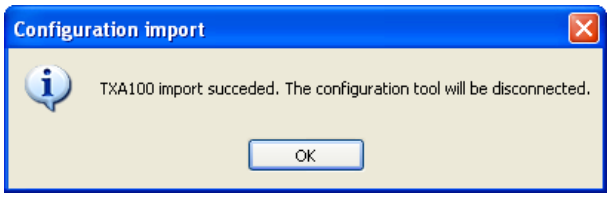
- Click on the **General** tab, then **Manage the data**, then **Import TXA100.**

> ➢ **Note:**
>
> Before importing a TXA100 configuration, the Domovea server must be reset (blank setting).



- Select the desired "**.ezt**" file and click **Open**

The following message is displayed, indicating that downloading was successful.



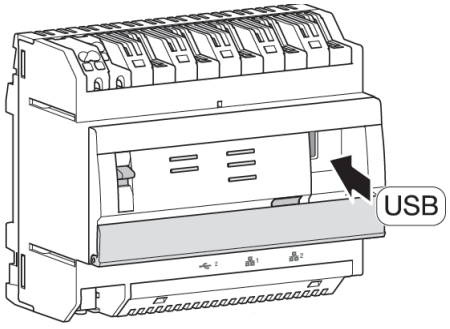
- Click on OK to restart the Domovea configurator
- Launch the Domovea customer. Devices are displayed according to the exported setting.

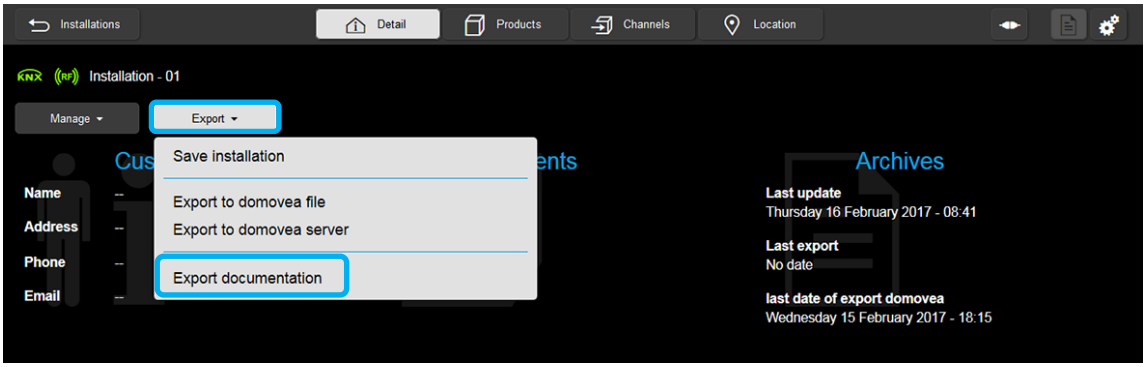
8.5.3 EXPORTING THE INSTALLATION REPORT

The backup of the installation created is stored on the configuration server.
The installation report can be exported as a document containing all the information about the installation.
This export can be carried out using a tablet or a smartphone by connecting a USB memory stick to the configuration server or from a PC.

8.5.3.1 Using a tablet or a smartphone

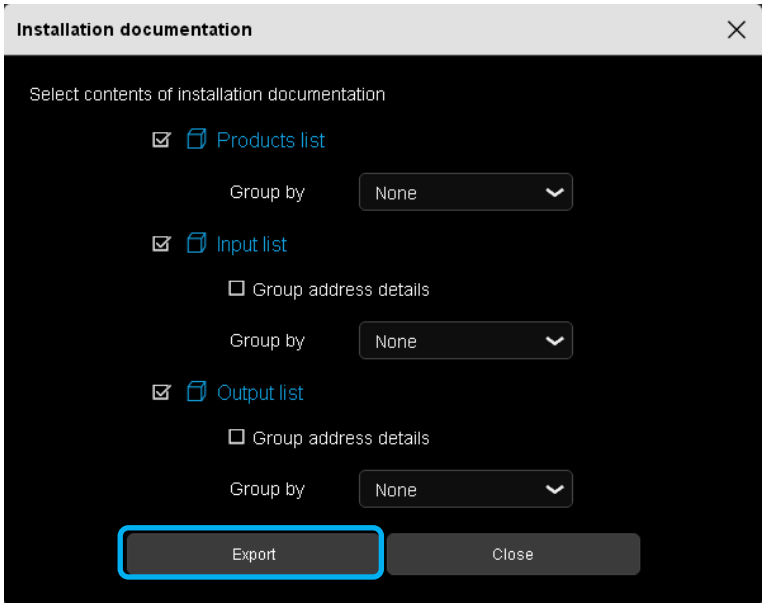
- Insert a USB memory stick in one of the USB ports of the configuration server.





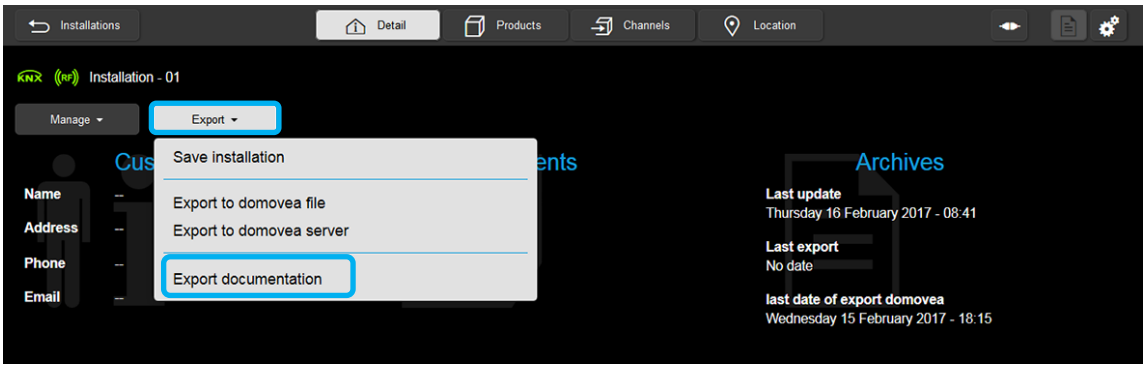
- Click the **Export** tab.
- Click **Export documentation**.

A window is displayed:



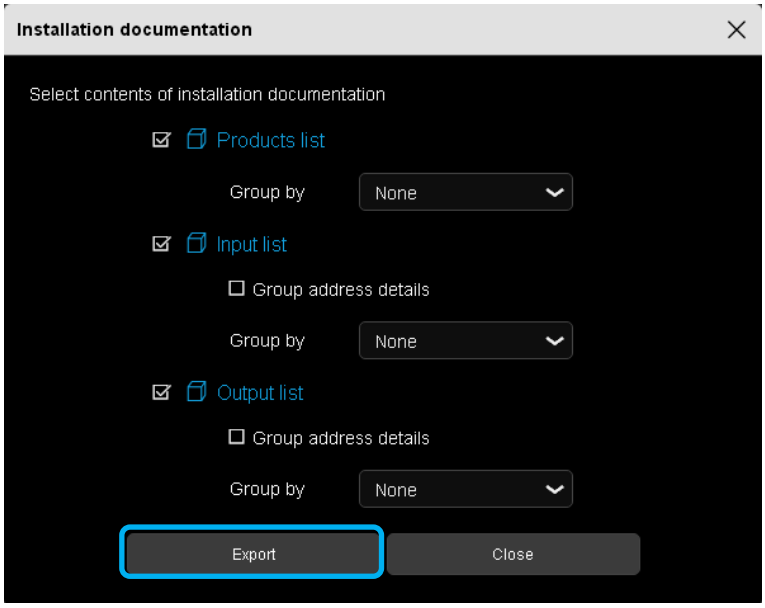
- Select the report contents based on the products, inputs and outputs.
- Click **Export** to generate the installation report to "**.pdf**". The file name is the name of the application.

8.5.3.2 From a PC



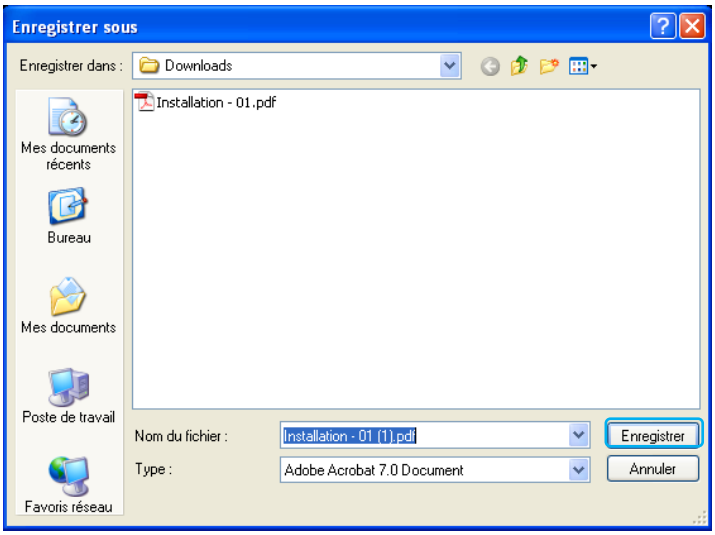
- Click the **Export** tab.
- Click **Export documentation**.

A window is displayed:



- Select the report contents based on the products, inputs and outputs.
- Click **Export**.

A window is displayed:



By default, the file name is the name of the application.

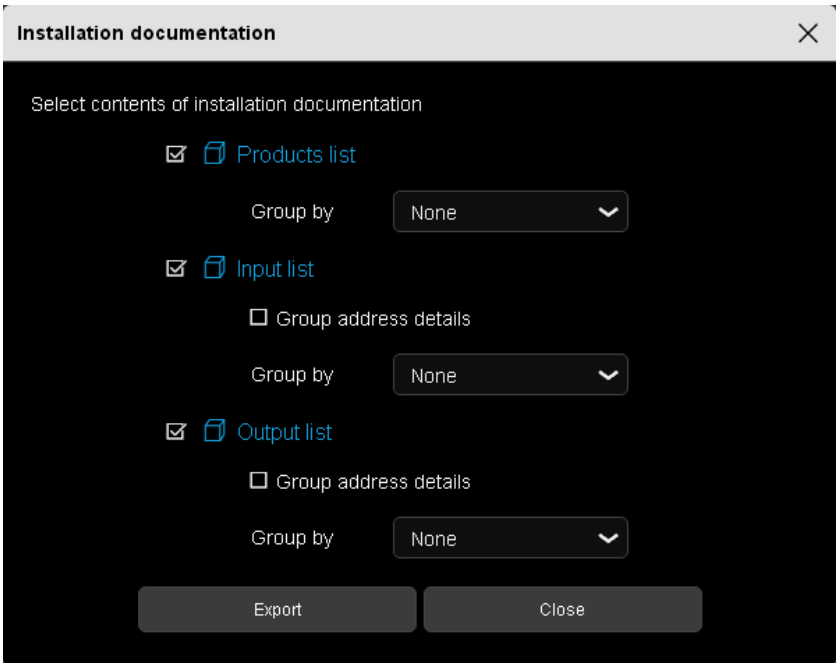
- Click **Save.**

> ➢ **Note:**
> The file management window may not be displayed. In that case, the file is generated directly with the default name in the Downloads directory of your Web browser. To display the window, see the settings for your Web browser under Downloads .

8.5.3.3 Installation report format

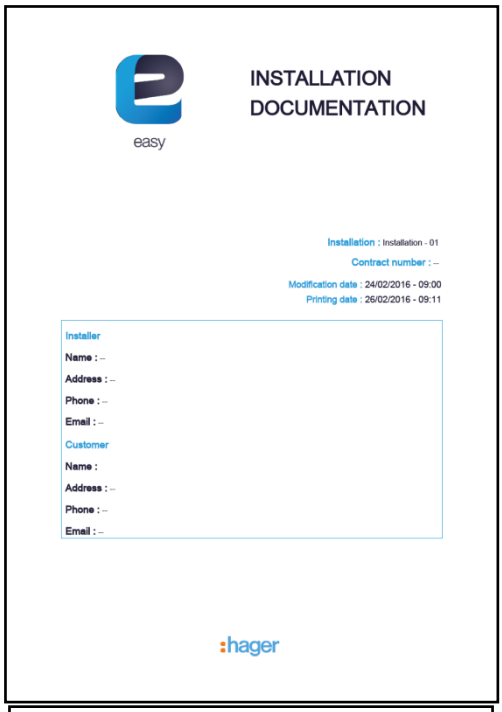
The installation report can be composed of a selection of different components.

- Select the desired lists.

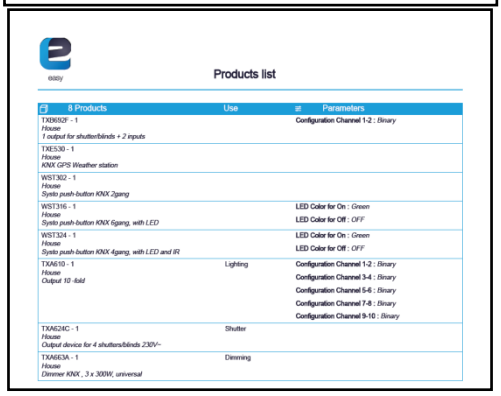


The report is composed of:

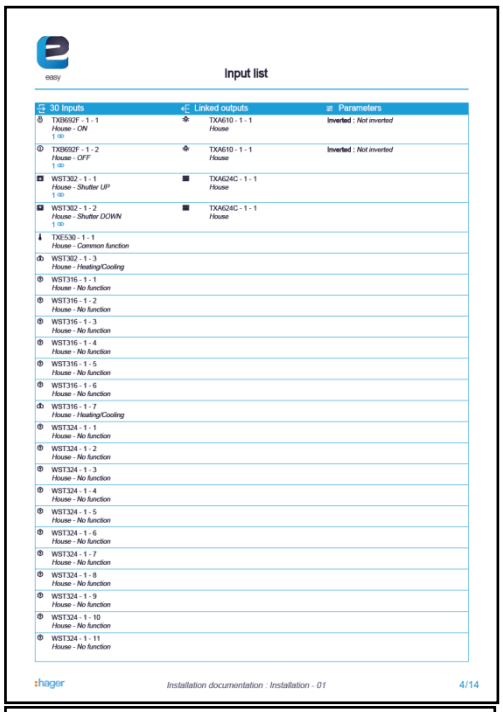
- The **cover page** that recaps the information about the installation.



- The **list of products** that can be classified by place, use, reference or unsorted.



- The **list of inputs** that can be classified by place, function, reference or unsorted.



easy

Input list

30 Inputs	Linked outputs	Parameters
TXB692F - 1 - 1 *House - ON* 1 op	TXA610 - 1 - 1 *House*	**Inverted :** *Not inverted*
TXB692F - 1 - 2 *House - OFF* 1 op	TXA610 - 1 - 1 *House*	**Inverted :** *Not inverted*
WST302 - 1 - 1 *House - Shutter UP* 1 op	TXA624C - 1 - 1 *House*	
WST302 - 1 - 2 *House - Shutter DOWN* 1 op	TXA624C - 1 - 1 *House*	
TXE530 - 1 - 1 *House - Common function*		
WST302 - 1 - 3 *House - Heating/Cooling*		
WST316 - 1 - 1 *House - No function*		
WST316 - 1 - 2 *House - No function*		
WST316 - 1 - 3 *House - No function*		
WST316 - 1 - 4 *House - No function*		
WST316 - 1 - 5 *House - No function*		
WST316 - 1 - 6 *House - No function*		
WST316 - 1 - 7 *House - Heating/Cooling*		
WST324 - 1 - 1 *House - No function*		
WST324 - 1 - 2 *House - No function*		
WST324 - 1 - 3 *House - No function*		
WST324 - 1 - 4 *House - No function*		
WST324 - 1 - 5 *House - No function*		
WST324 - 1 - 6 *House - No function*		
WST324 - 1 - 7 *House - No function*		
WST324 - 1 - 8 *House - No function*		
WST324 - 1 - 9 *House - No function*		
WST324 - 1 - 10 *House - No function*		
WST324 - 1 - 11 *House - No function*		

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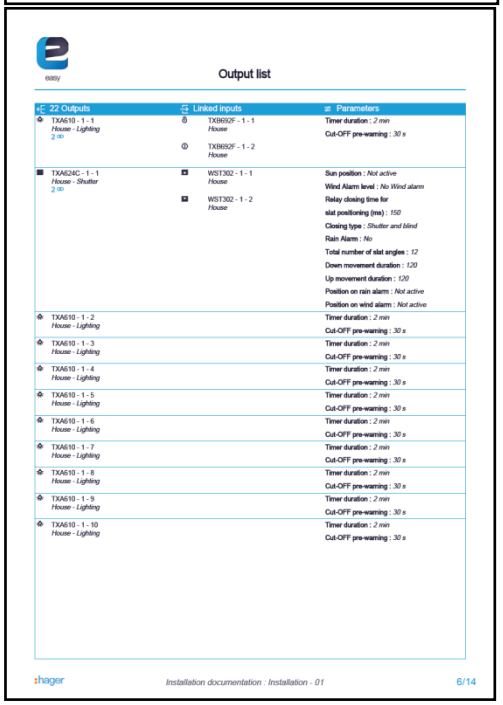
- The **list of outputs** that can be classified by place, use, reference or unsorted.



easy

Output list

22 Outputs	Linked inputs	Parameters
TXA610 - 1 - 1 *House - Lighting* 2 op	TXB692F - 1 - 1 *House* TXB692F - 1 - 2 *House*	**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA624C - 1 - 1 *House - Shutter* 2 op	WST302 - 1 - 1 *House* WST302 - 1 - 2 *House*	**Sun position :** *Not active* **Wind Alarm level :** *No Wind alarm* **Relay closing time for slat positioning (ms) :** *150* **Closing type :** *Shutter and blind* **Rain Alarm :** *No* **Total number of slat angles :** *12* **Down movement duration :** *120* **Up movement duration :** *120* **Position on rain alarm :** *Not active* **Position on wind alarm :** *Not active*
TXA610 - 1 - 2 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 3 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 4 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 5 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 6 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 7 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 8 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 9 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*
TXA610 - 1 - 10 *House - Lighting*		**Timer duration :** *2 min* **Cut-OFF pre-warning :** *30 s*

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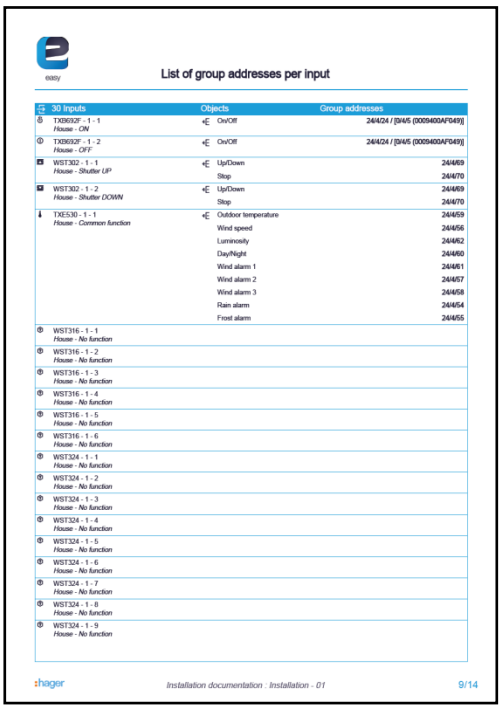
The **list of addresses** classified by inputs and outputs (if the Group address details option is selected).



easy

List of group addresses per input

30 Inputs	Objects	Group addresses
TXB92F - 1 - 1 *House - ON*	On/Off	2/4/24 / [0/4/5 (0005400AF049)]
TXB92F - 1 - 2 *House - OFF*	On/Off	2/4/24 / [0/4/5 (0005400AF049)]
WST302 - 1 - 1 *House - Shutter UP*	Up/Down	2/4/69
	Stop	2/4/70
WST302 - 1 - 2 *House - Shutter DOWN*	Up/Down	2/4/69
	Stop	2/4/70
TXE53D - 1 - 1 *House - Common function*	Outdoor temperature	2/4/59
	Wind speed	2/4/56
	Luminosity	2/4/62
	Day/Night	2/4/60
	Wind alarm 1	2/4/61
	Wind alarm 2	2/4/57
	Wind alarm 3	2/4/58
	Rain alarm	2/4/54
	Frost alarm	2/4/55
WST316 - 1 - 1 *House - No function*		
WST316 - 1 - 2 *House - No function*		
WST316 - 1 - 3 *House - No function*		
WST316 - 1 - 4 *House - No function*		
WST316 - 1 - 5 *House - No function*		
WST316 - 1 - 6 *House - No function*		
WST324 - 1 - 1 *House - No function*		
WST324 - 1 - 2 *House - No function*		
WST324 - 1 - 3 *House - No function*		
WST324 - 1 - 4 *House - No function*		
WST324 - 1 - 5 *House - No function*		
WST324 - 1 - 6 *House - No function*		
WST324 - 1 - 7 *House - No function*		
WST324 - 1 - 8 *House - No function*		
WST324 - 1 - 9 *House - No function*		

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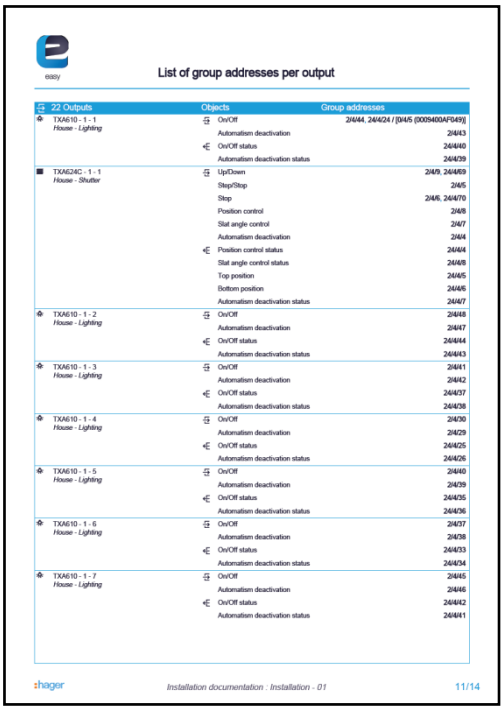

easy

List of group addresses per output

22 Outputs	Objects	Group addresses
TXA610 - 1 - 1 *House - Lighting*	On/Off	2/4/44, 2/4/24 / [0/4/5 (0005400AF049)]
	Automatism deactivation	2/4/43
	On/Off status	2/4/40
	Automatism deactivation status	2/4/39
TXA624C - 1 - 1 *House - Shutter*	Up/Down	2/4/9, 2/4/69
	Step/Stop	2/4/5
	Stop	2/4/6, 2/4/70
	Position control	2/4/8
	Slat angle control	2/4/7
	Automatism deactivation	2/4/4
	Position control status	2/4/4
	Slat angle control status	2/4/8
	Top position	2/4/5
	Bottom position	2/4/6
	Automatism deactivation status	2/4/47
TXA610 - 1 - 2 *House - Lighting*	On/Off	2/4/48
	Automatism deactivation	2/4/47
	On/Off status	2/4/44
	Automatism deactivation status	2/4/43
TXA610 - 1 - 3 *House - Lighting*	On/Off	2/4/41
	Automatism deactivation	2/4/42
	On/Off status	2/4/37
	Automatism deactivation status	2/4/38
TXA610 - 1 - 4 *House - Lighting*	On/Off	2/4/30
	Automatism deactivation	2/4/29
	On/Off status	2/4/25
	Automatism deactivation status	2/4/26
TXA610 - 1 - 5 *House - Lighting*	On/Off	2/4/40
	Automatism deactivation	2/4/39
	On/Off status	2/4/35
	Automatism deactivation status	2/4/36
TXA610 - 1 - 6 *House - Lighting*	On/Off	2/4/37
	Automatism deactivation	2/4/38
	On/Off status	2/4/33
	Automatism deactivation status	2/4/34
TXA610 - 1 - 7 *House - Lighting*	On/Off	2/4/45
	Automatism deactivation	2/4/46
	On/Off status	2/4/42
	Automatism deactivation status	2/4/41

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9. RELATED FUNCTIONS IN THE MENUS

9.1 ONLINE/OFFLINE CONFIGURATION

This function is used when setting of the installation is not performed on-site. When the configuration tool is "**Off-line**", the setting for the installation is stored but not transferred to the products.

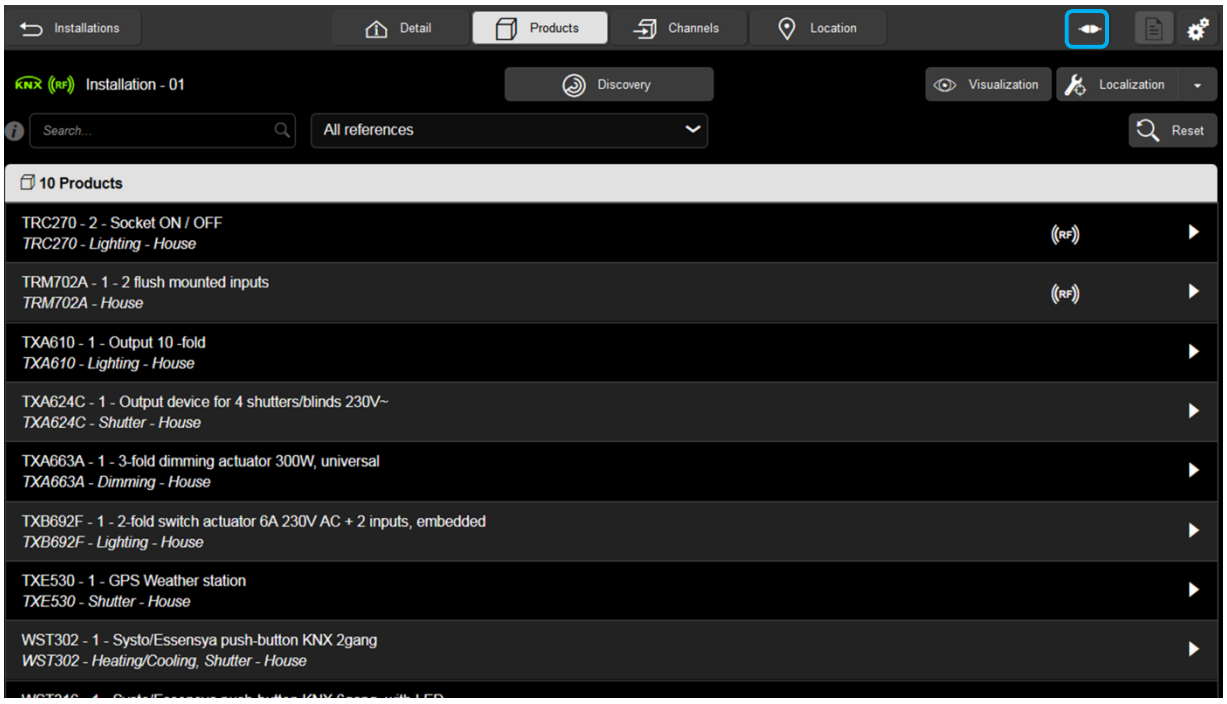
- **On-line**: the configuration tool constantly communicates with the installation. Downloading is carried out as the configuration. The installation can be tested at each stage.

- **Off-line**: the configuration tool does not constantly communicate with the installation. Full downloading is carried out at the end of the configuration.

▪ **Example of use:** You want to perform the settings and name the products on the desktop.

- Connect the configuration tool to the installation
- Start the configuration tool and create a new installation
- Launch product discovery.

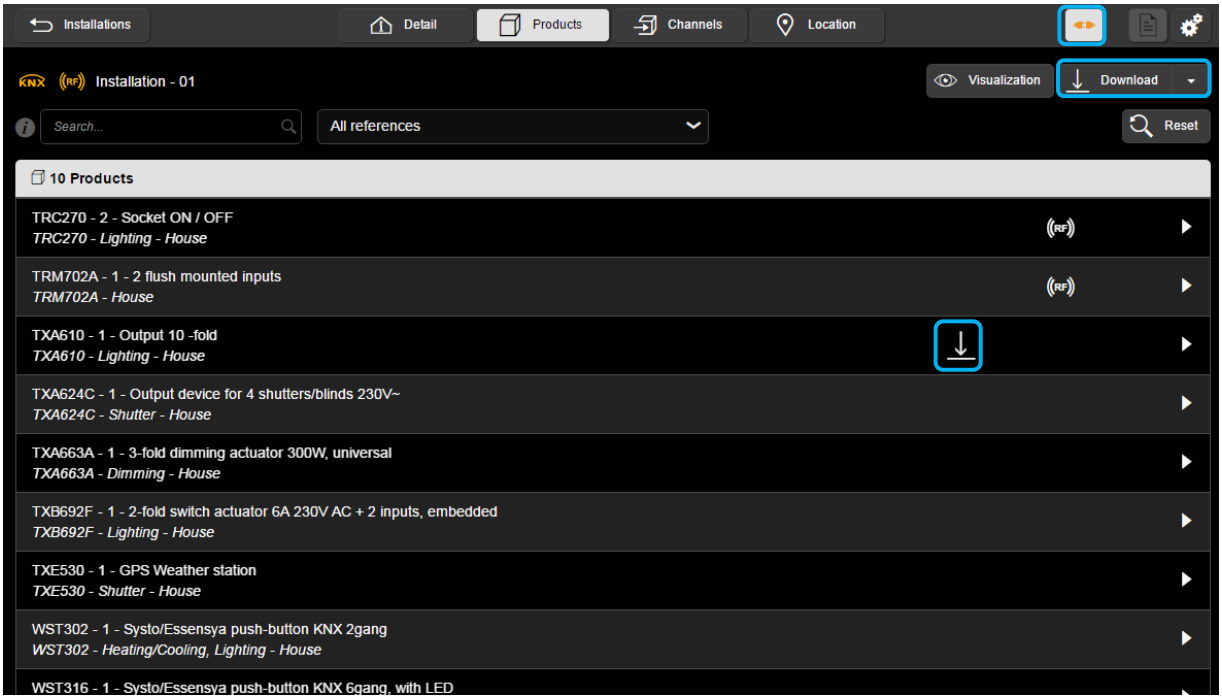
When discovery is complete, the products are addressed and stored in the installation.



- Click on to go to **off-line** mode.

From now on, all modifications to the settings will be stored in the configuration tool but not transferred to the products.

The symbol changes status to show **off-line** mode and a **Download** button appears, which enables manual control of downloading.

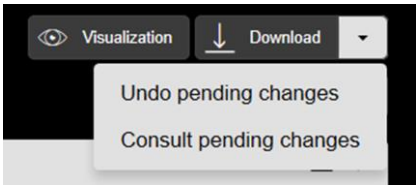


The symbol indicates that the change in setting has not been transmitted to the product.

- Click on **Download** to transmit the new settings.

➢ **Note:**

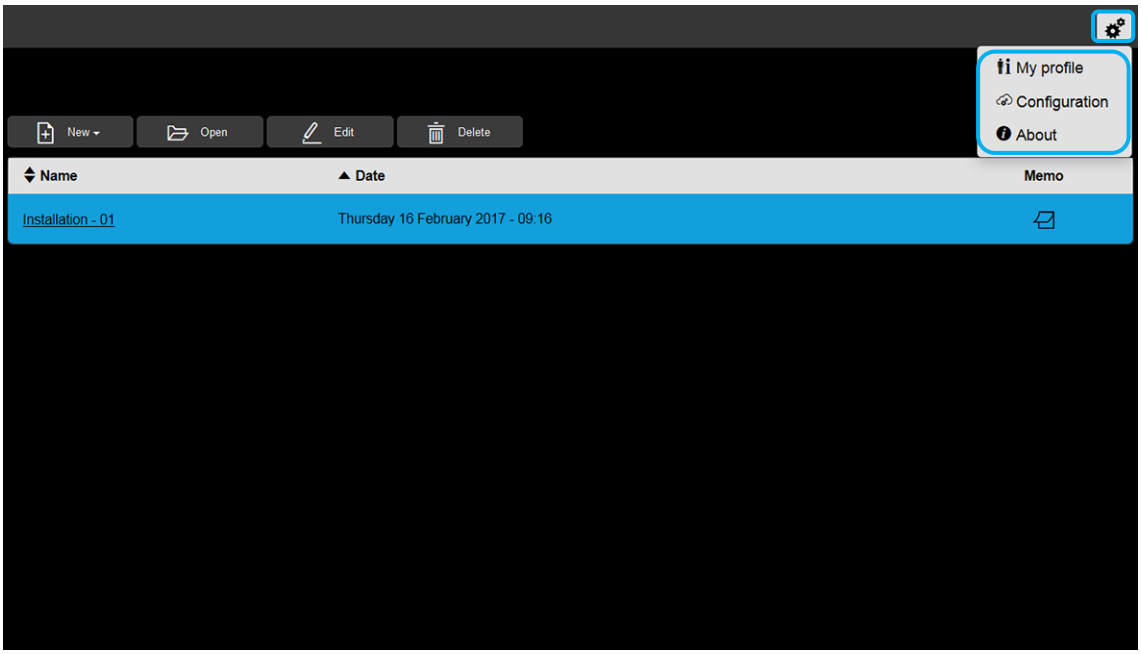
A choice list is displayed when you click on to the right of the **Download** button:



- **Undo pending changes**: deletes all modifications to settings that were not downloaded to the installation.
- **Consult pending changes**: lists all modifications to settings that were not downloaded to the installation.

9.2 SETUP MENU

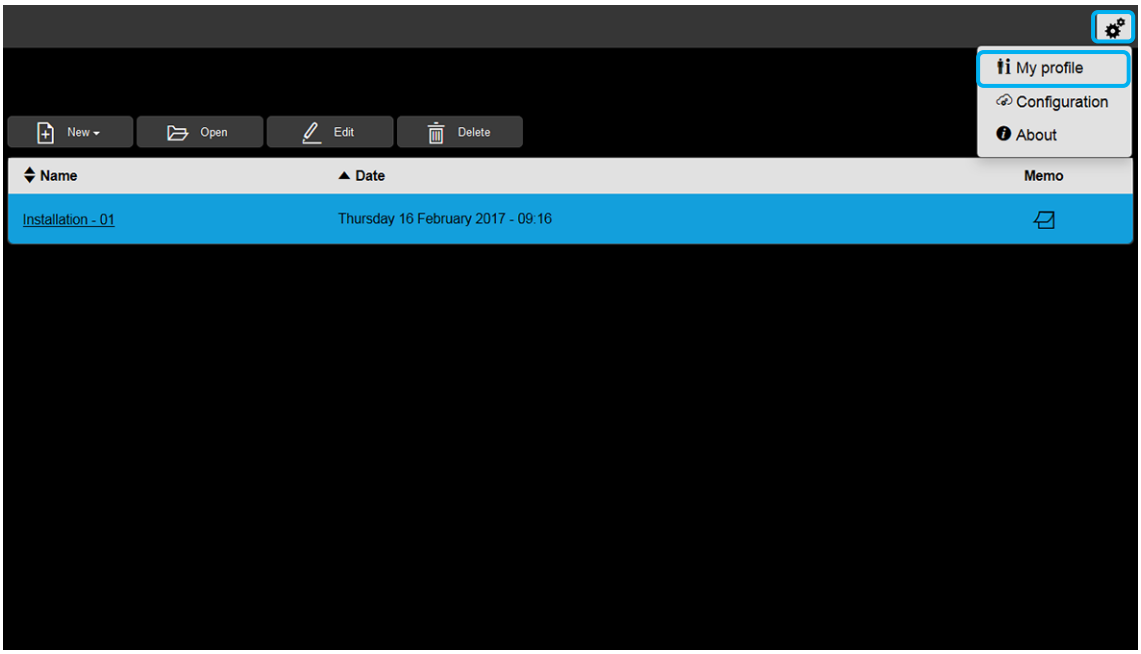
This section is for setting up the configuration server.



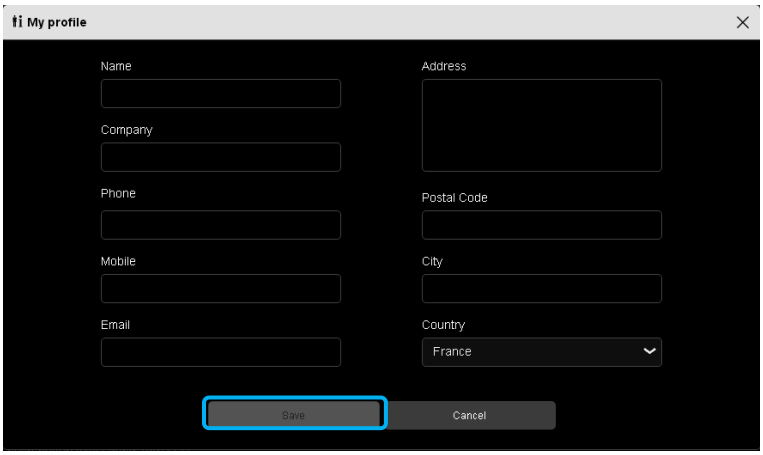
Click on ; a scroll-down list appears:

- My profile
- Configuration
- About

9.2.1 PROFILE MANAGEMENT

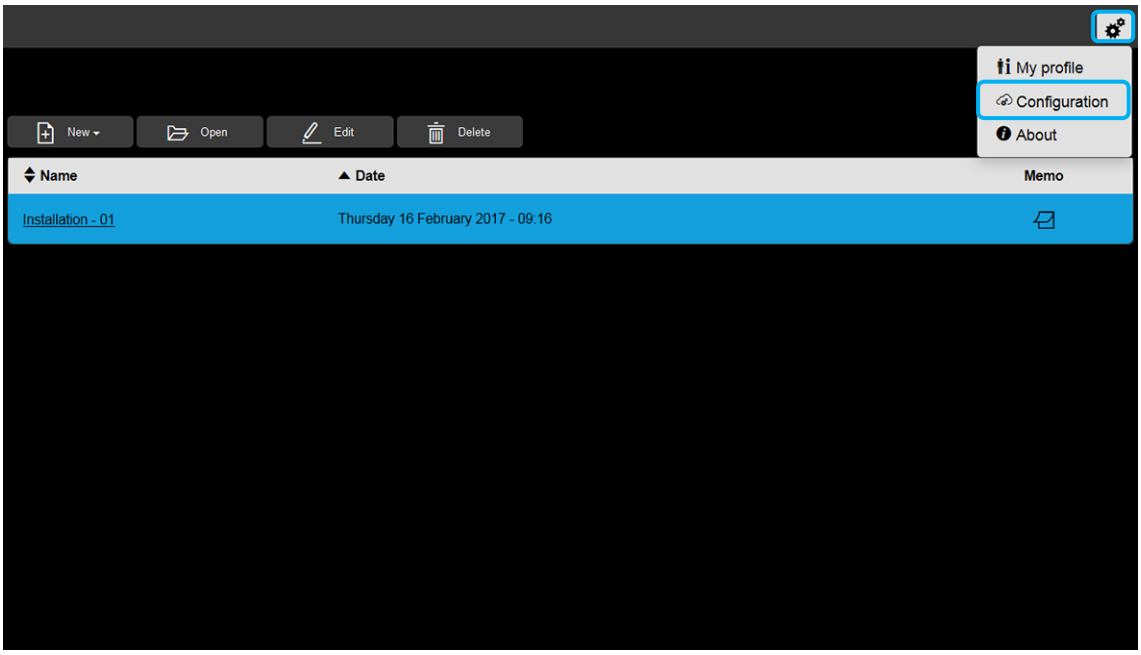


- Click on , then **My profile** to complete the Installer profile.

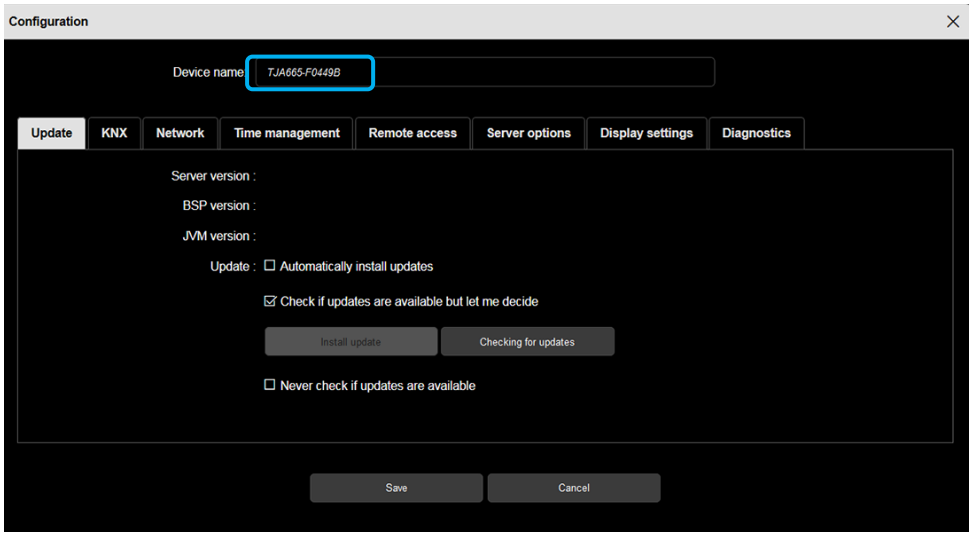


- Click on **Save** after entering your profile.

9.2.2 SERVER CONFIGURATION



- Click on , then **Configuration;** a "Configuration: Update" window appears.

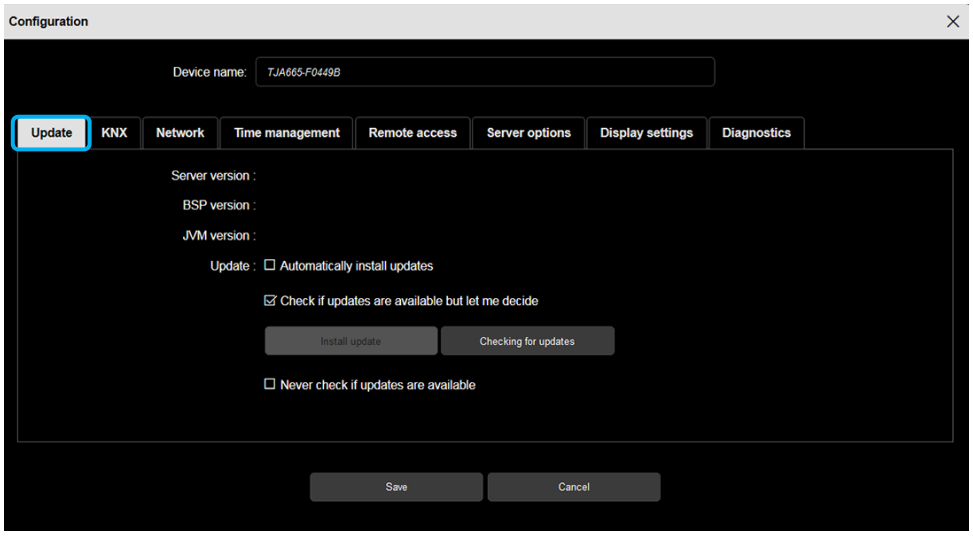


- Fill out or modify the device name.

This configuration has several tabs:

- General
- KNX
- Network
- Localisation
- Options

9.2.2.1 **Update**

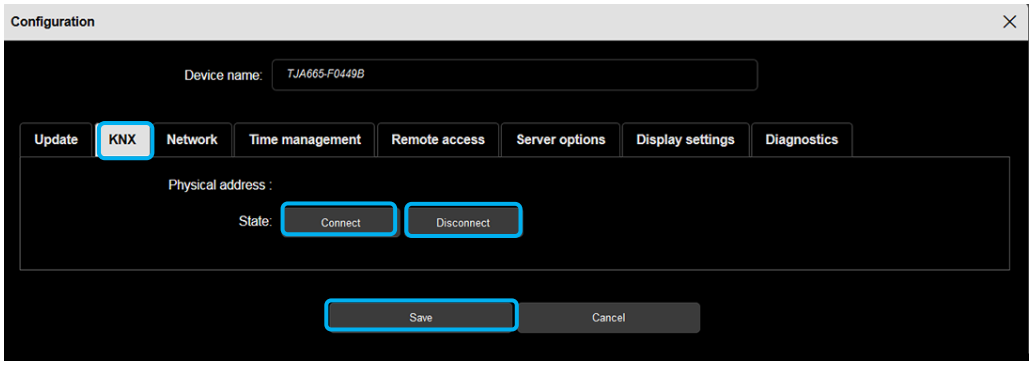


- Click the **Update** tab to see:
  - ✓ The server version (application software version)
  - ✓ The BSP version (motherboard software version)
  - ✓ The JVM version (Java virtual machine software version)

By connecting the configuration server to an Internet network, verification and downloading of software updates can be carried out automatically.

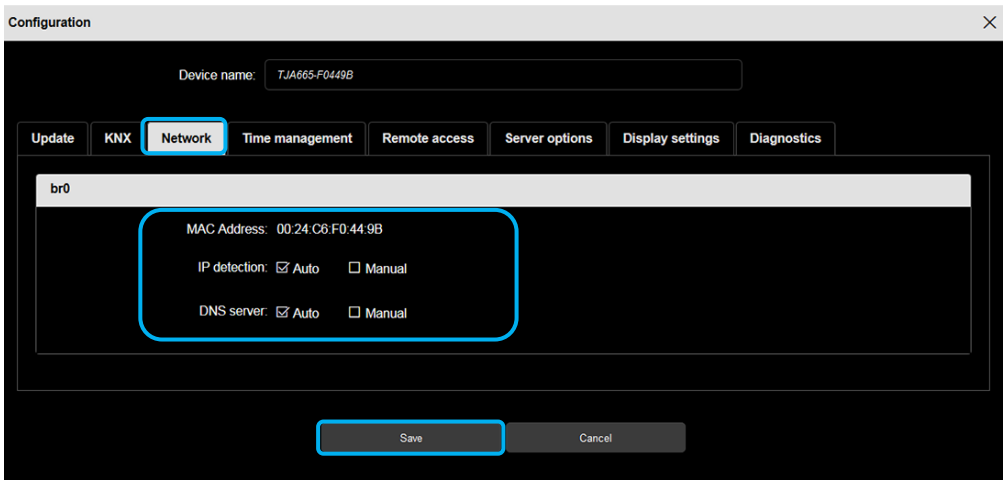
- In the "**Update**" section, select the update mode:
    - **Install updates automatically**: The new software version will be installed automatically and a notification to this effect will be sent.
    - **Check if updates are available but let me decide**: The new software version is subject to validation before installation.
    - **Never check if updates are available**: The configuration server does not check for the existence of a new software version.

9.2.2.2 KNX



- Click on the **KNX** tab to see:
    - ✓ The server's physical address
    - ✓ The status: connected or not
- Click on **Connect** or **Disconnect**, whichever is needed.
- Click on **Save** to confirm your choices.

9.2.2.3 Network



- Click on the **Network** tab to see:
  - ✓ The MAC Address
  - ✓ The IP detection: automatic or manual
- Click on **Auto** or **Manual**, whichever is needed.
  - ✓ The DNS server: auto or manual
- Click on **Auto** or **Manual**, whichever is needed.
  - ✓ Preferred DNS server
  - ✓ Alternate DNS server.

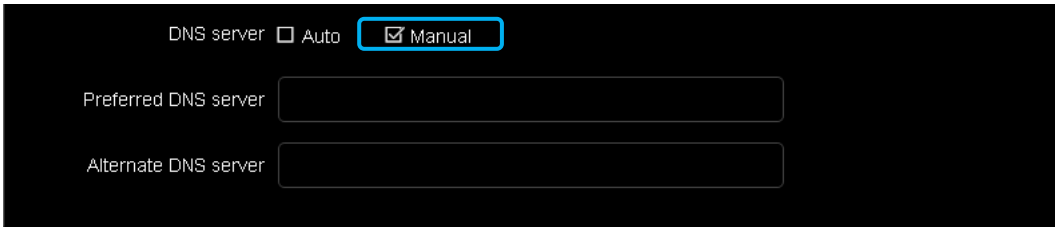
- Manual entry of IP detection:

  This section allows you to enter IP detection for the configuration server when it is not automatically allocated.

- Click on the **IP** field and enter the new IP detection
- Click on the **Subnet mask field** and enter the new mask
- Click on the **Default gateway** field and enter the new IP detection

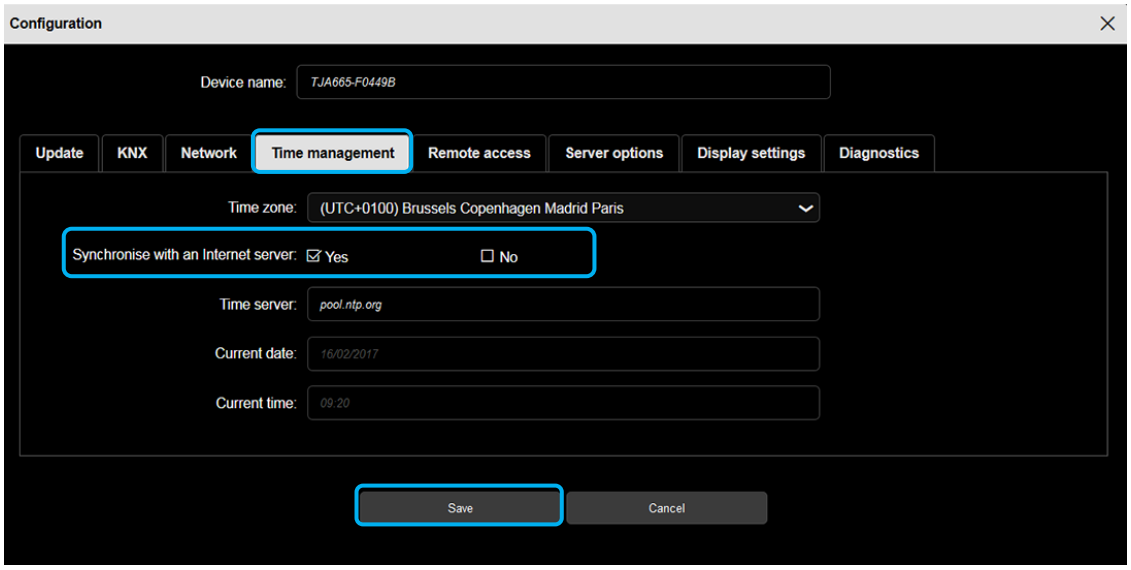
- Manual entry of the DNS server address

  This section allows you to enter IP detection for the DNS server when it is not automatically allocated.



- Click on the **Preferred DNS server** field and enter the new IP detection
- Click on the **Alternate DNS server** field and enter the new IP detection
- Click on **Save** to confirm your choices.

9.2.2.4 Time management



- Click on the **Time management** tab to see:

  ✓ Time zone: Click on ⌄ to select the time zone from the scroll-down list.

  ✓ Synchronise with an Internet server:

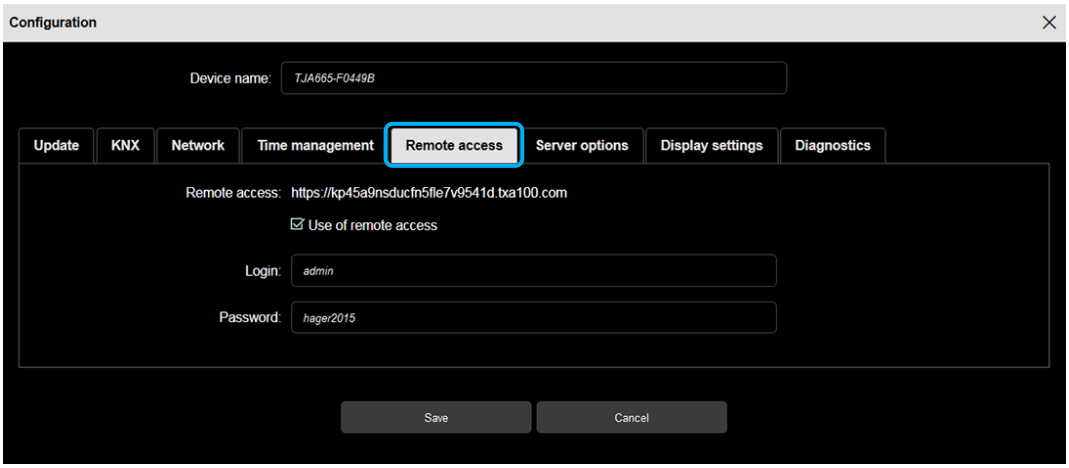
  - Click **Yes** or **No**, whichever is needed.

Yes	No
✓ Time server: - Enter the name of the time server (by default: **pool.ntp.org)**	✓ Current date: - Enter today's date. ✓ Current time: - Enter the current time.

- Click **Save** to confirm your choices.

9.2.2.5 Remote access

Remote access can be used to log on to the configuration server from any machine that is connected to the Internet.



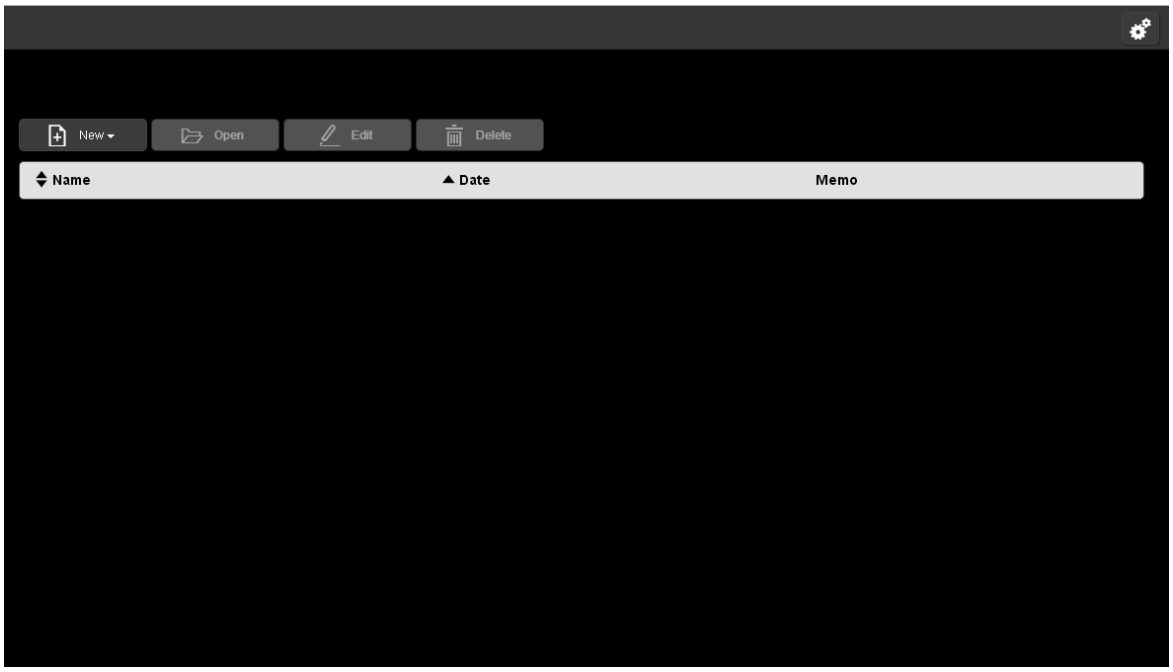
- Click on the **Remote Access** tab.
- Select **Activate remote access.**
- Define the **Login** and **Password** (Login: **admin** and Passwords: **controls** are the default values).
- Copy the path to access remotely (for example: kp45a9nsducfn5fle7v9522d.txa100.com)

➢ **Note:** The remote access path is different for each configuration server.

- Click **Save** to confirm these settings.

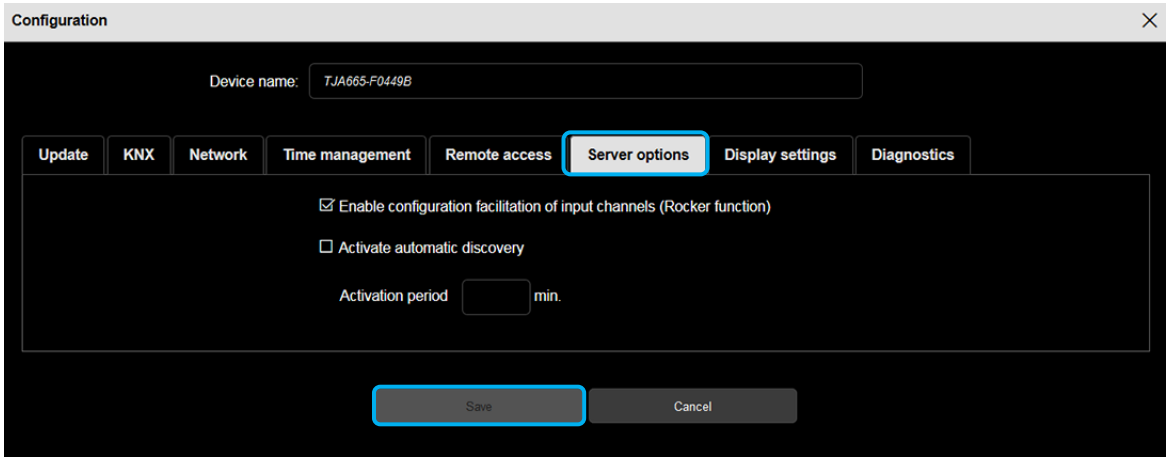
On the machine that is connected to the Internet:

- Start the Web browser.
- In the address text box, enter the path to access remotely (for example: https://kp45a9nsducfn5fle7v9522d.txa100.com)
- Enter the **Login** and **Password**.



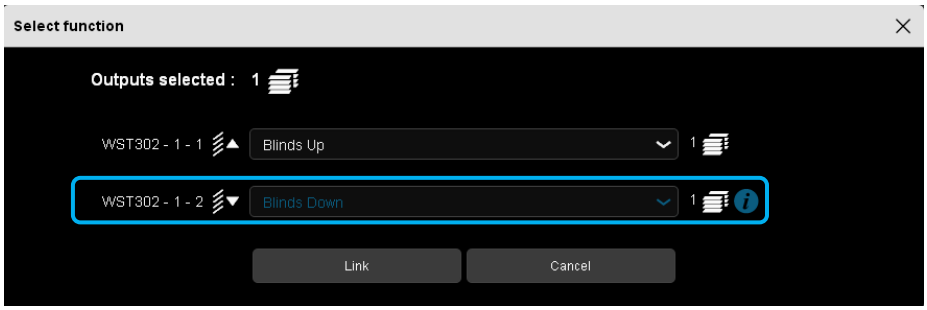
The Web browser starts with the **Installation** view.

9.2.2.6 Server options



- Click on the **Server options** tab to access the configuration server's operational mode

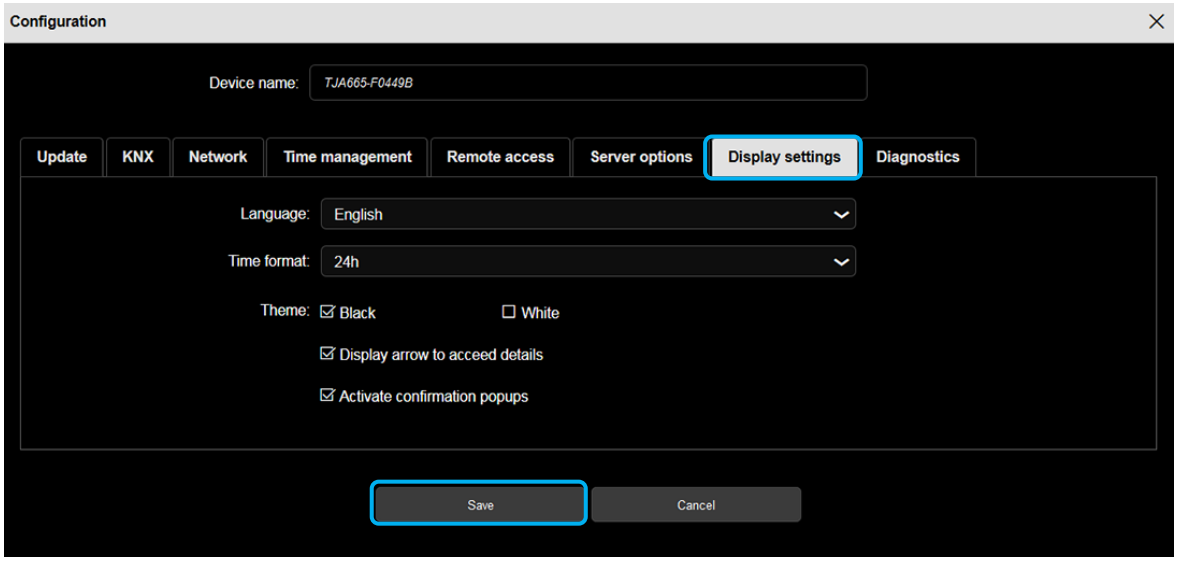
  ✓ **Activate the input channel configuration support (Rocker function)**: depending on the type of function selected, the system will propose by default the associated function in the second input.



  ✓ **Activate automatic discovery**: permits automatic scanning of the installation to discover new products.

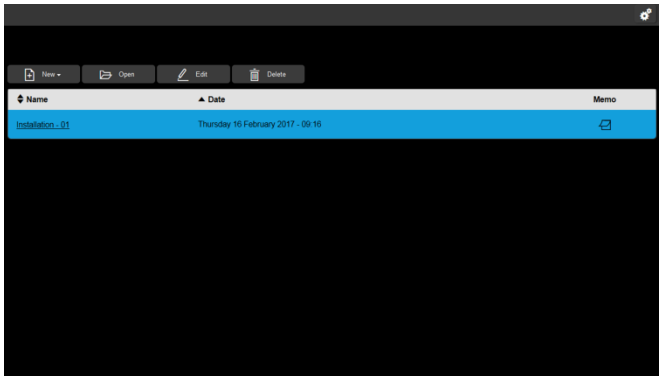
  ✓ **Activation period**: duration between 2 automatic scans (10 mins. by default)

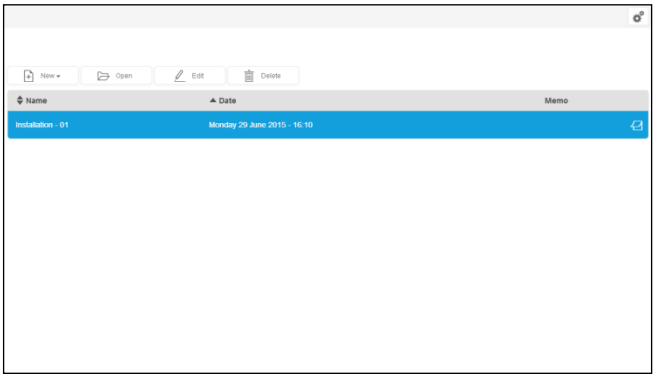
9.2.2.7 Display settings



Click on the **Display settings** tab to access the client-side operating mode

- ✓ Language: Click on to select your language from the scroll-down list.
- ✓ Time Format: Click on to select the format from the scroll-down list.
- ✓ Theme: This function enables the background theme to be changed.
  - Choose between two background colours: Black or white





- ✓ **Activate an arrow to access the detailed view**: used to select the display mode for the access to the detailed view.
  - **Active**

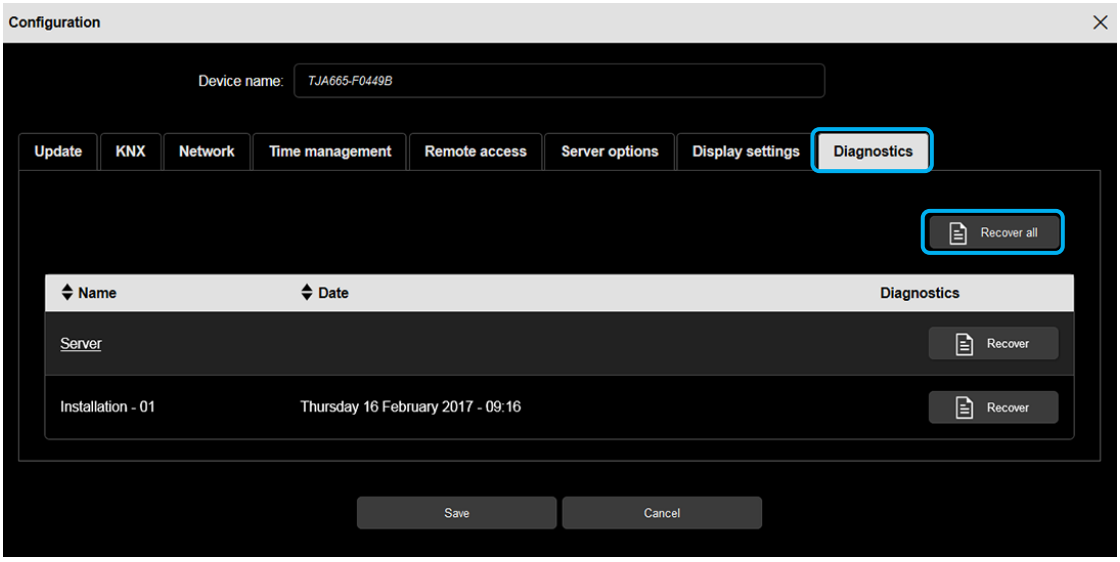
  - **Inactive**

- ✓ **Activate confirmation pop-ups**: permits display of a confirmation window for certain actions (switching to localisation mode for example).

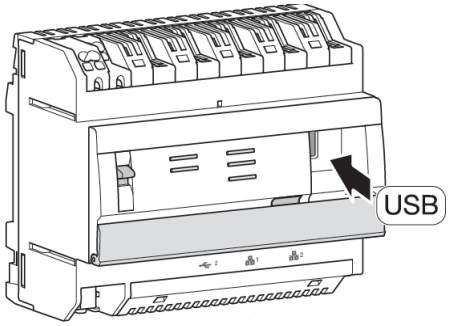
9.2.2.8 Diagnostics

Diagnostics enable event logs to be generated for analysis in the event of installation problems.

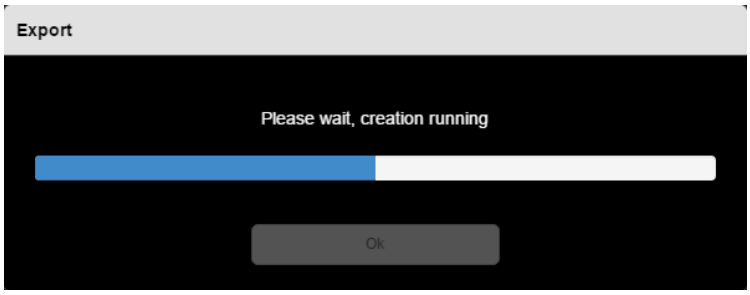
There are two types of files:
- server event logs: all events associated with the server only
- installation event logs: all events associated with a given project.



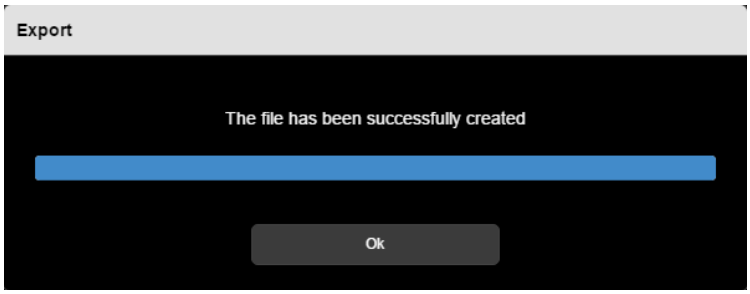
- Click the **Diagnostics** tab.
- Insert the USB key into one of the configuration server's USB ports if you are using a tablet or smartphone.



- Click one of the available buttons to generate the requested event log
    - Click **Recover all** to generate a file containing the server event log and the event log for all the projects stored in the configuration tool.
    - Click **Recover** on the **Server** line to generate a file containing only the server event log
    - Click **Recover** on the project line to generate a file containing the event log for the selected project

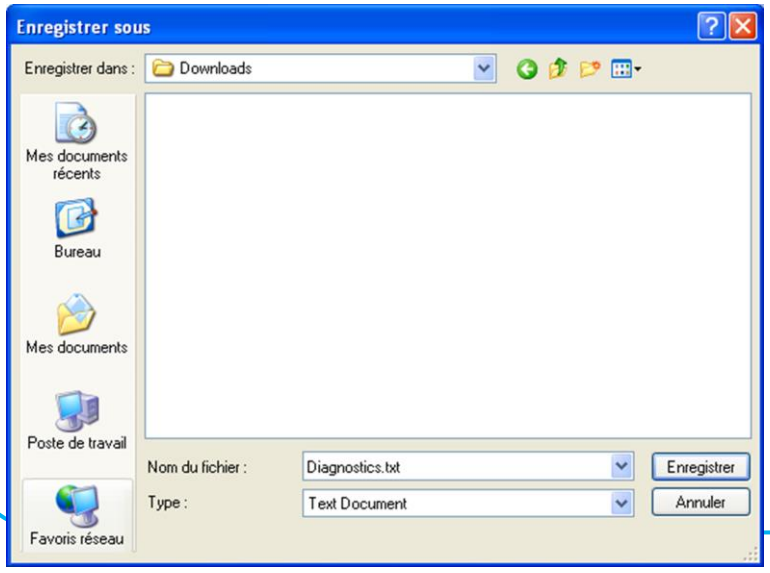


The configuration tool generates the requested event log.



– Click **OK** to confirm

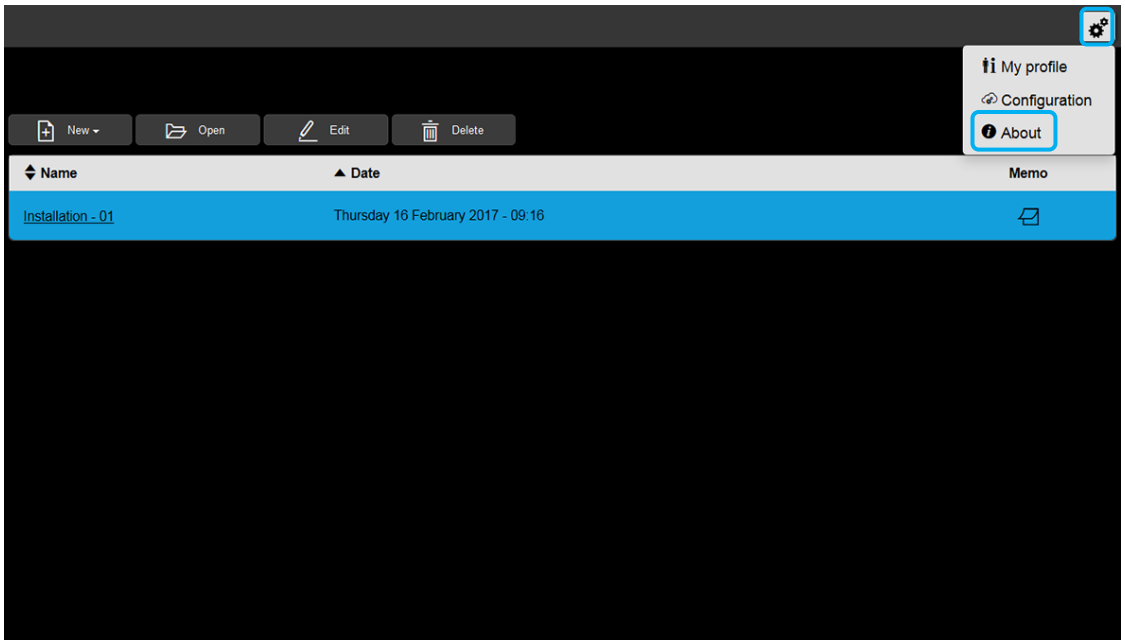
➢ **Note:**



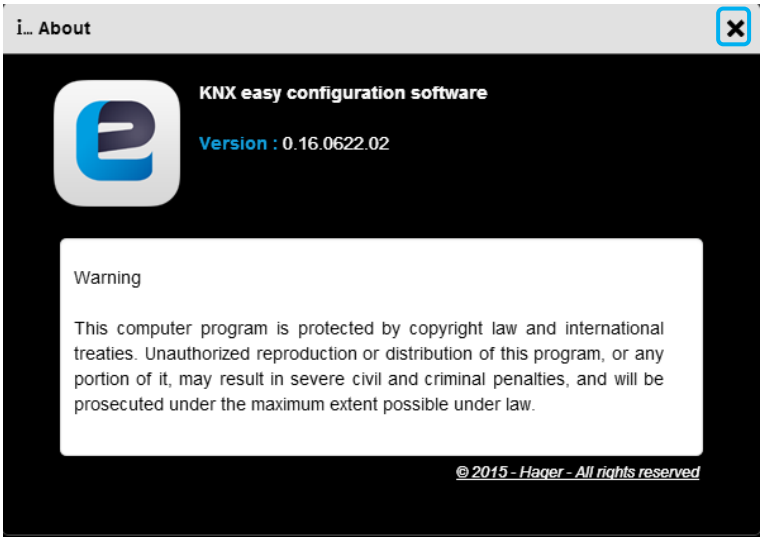
If you are using a PC, the event log will be saved directly to the hard drive or a dialogue box will open for you to choose the file name.

9.2.3 ABOUT

This function displays the application software version of the configuration server.



- Click on , then **About** to see the KNX NG software version.



- Click on to close the window.

9.3 FUNCTIONS IN THE INSTALLATION

9.3.1 IMPORTING A TX100 INSTALLATION

This section sets out the different steps to recover the setting of an installation, performed with the TX100 configuration tool. All products that are compatible with the TX100 configuration tool are also compatible with the TXA100 configuration tool.

On the TX100:

- Back up the installation setting
- Copy this back up to a USB key connected to the TX100
  The configuration tool generates a file with extension "**.txh**".

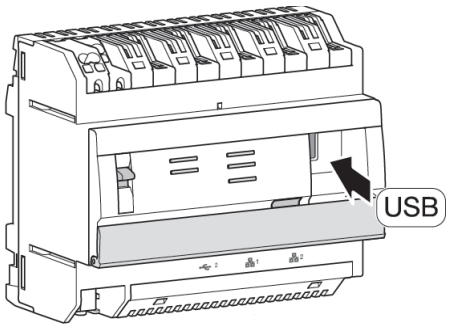
On the TXA100:

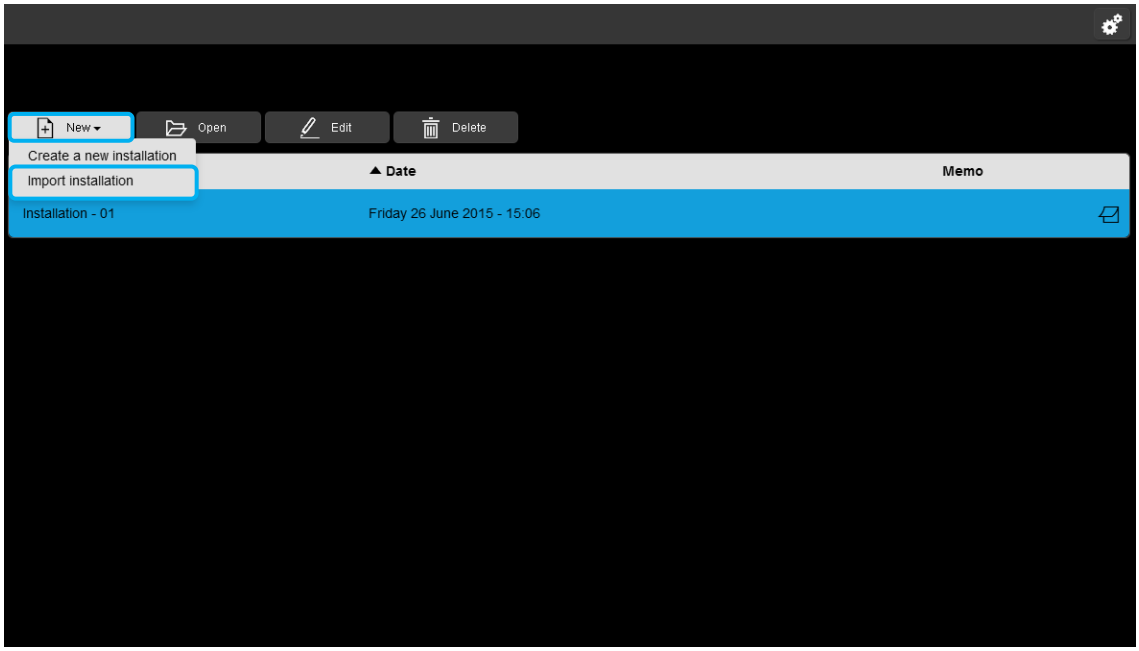
It is possible to import the back up of a setting or the back up of a TX100 installation setting from an installation's export file.

> ➢ **Note:**
>
> Only files generated from the 2.10 version of the TX100 are compatible for importing. For earlier versions, you must convert the backed up files using the TX100 and the conversion programme.

- **From a USB key connected to the server**

  - Insert the USB key containing the backed up file of settings into one of the configuration server's USB ports.

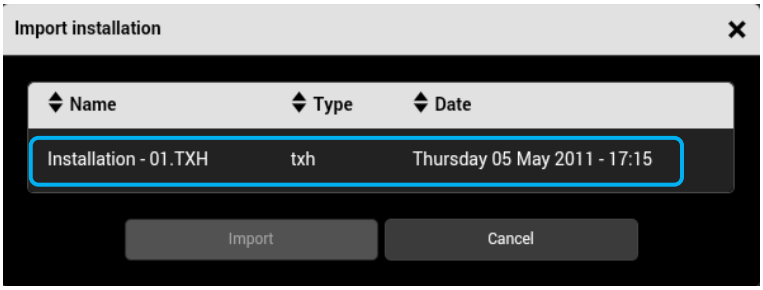




Click **New**; a scroll-down list appears.

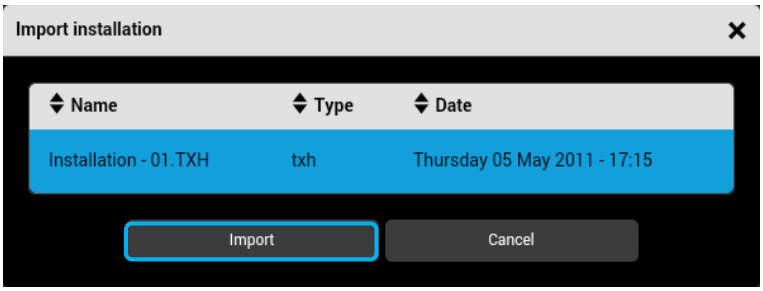
Click **Import installation**.

An "**Import installation**" window appears:



A list of backed up settings appears:

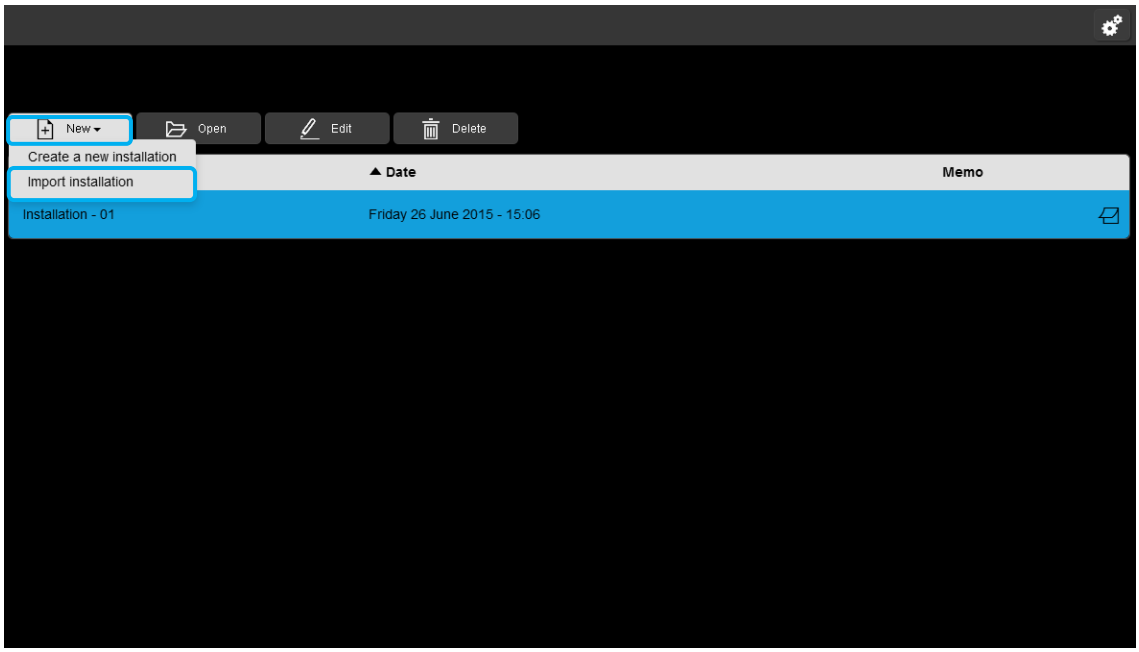
Select the backed up setting file to import.



Once the file is selected, click **Import**.

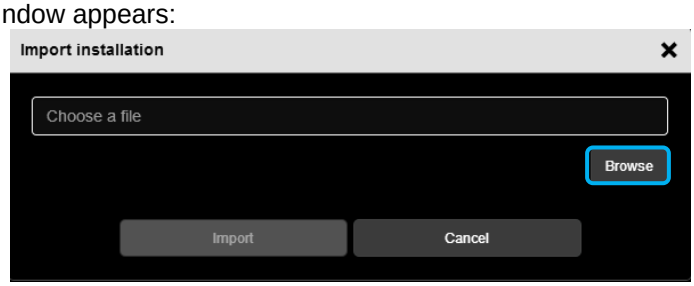
When import is finished, remove the USB key.

- **From a PC**



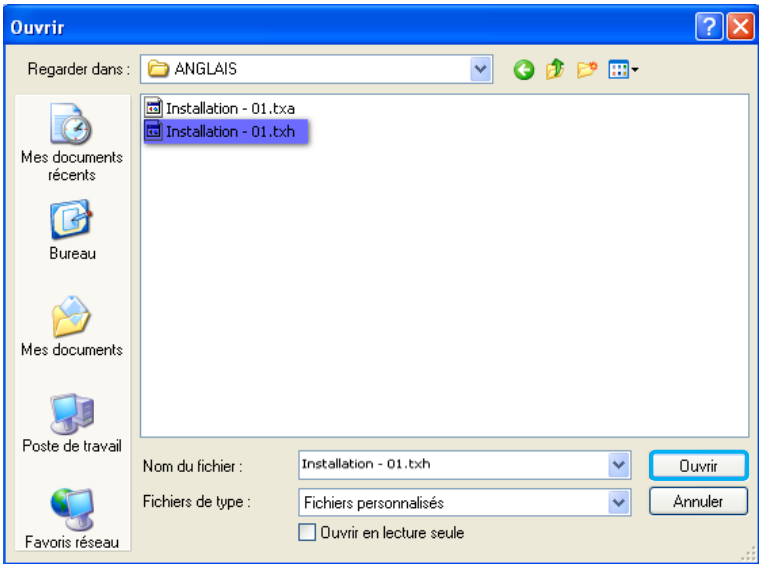
- Click **New**; a scroll-down list appears.
- Click **Import installation**.

An "**Import installation**" window appears:



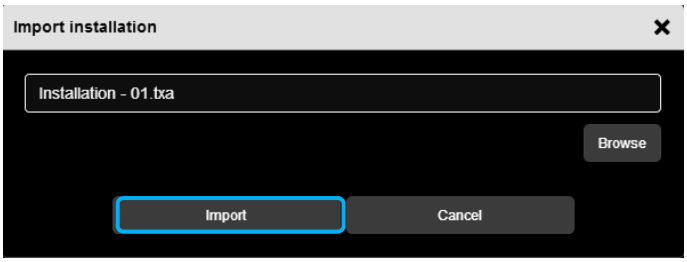
- Click **Browse** to select the installation file to import.

A window appears:



- Select the desired installation file and click **Open.**

The installation to import is in "**.txh**" format (TX100 file).



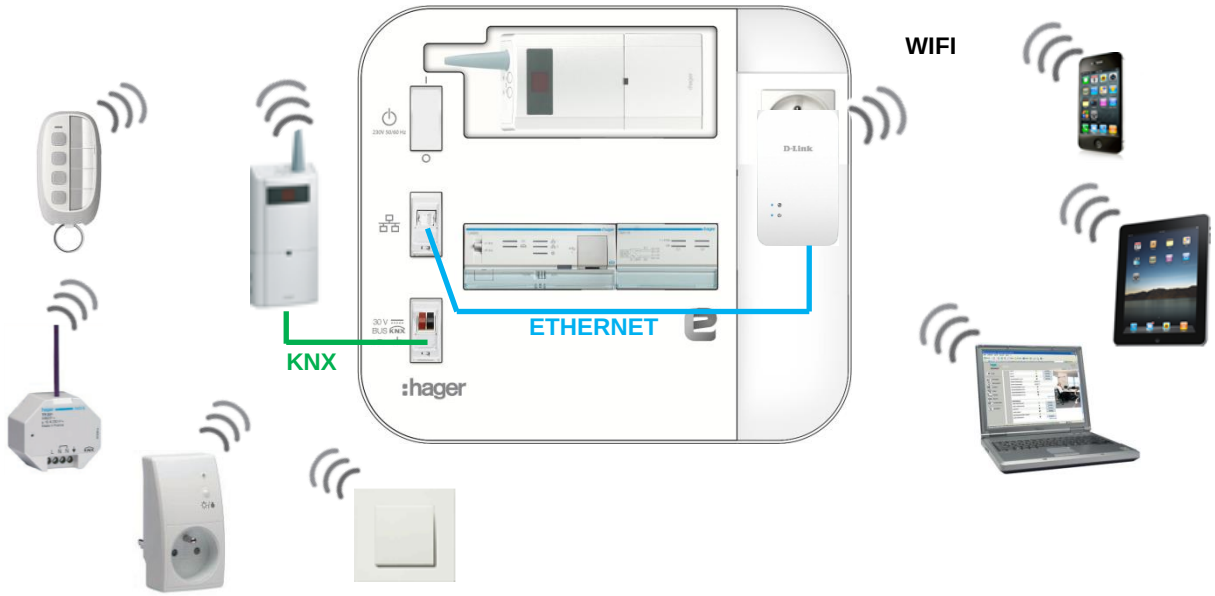
Once the file is selected, click **Import**.

9.3.2 RADIO INSTALLATION MANAGEMENT

The TXA100 configuration tool also allows you to carry out the setting for KNX radio products. To do this, you need a TR131 media coupler that enables a link between the KNX bus and the radio connection.

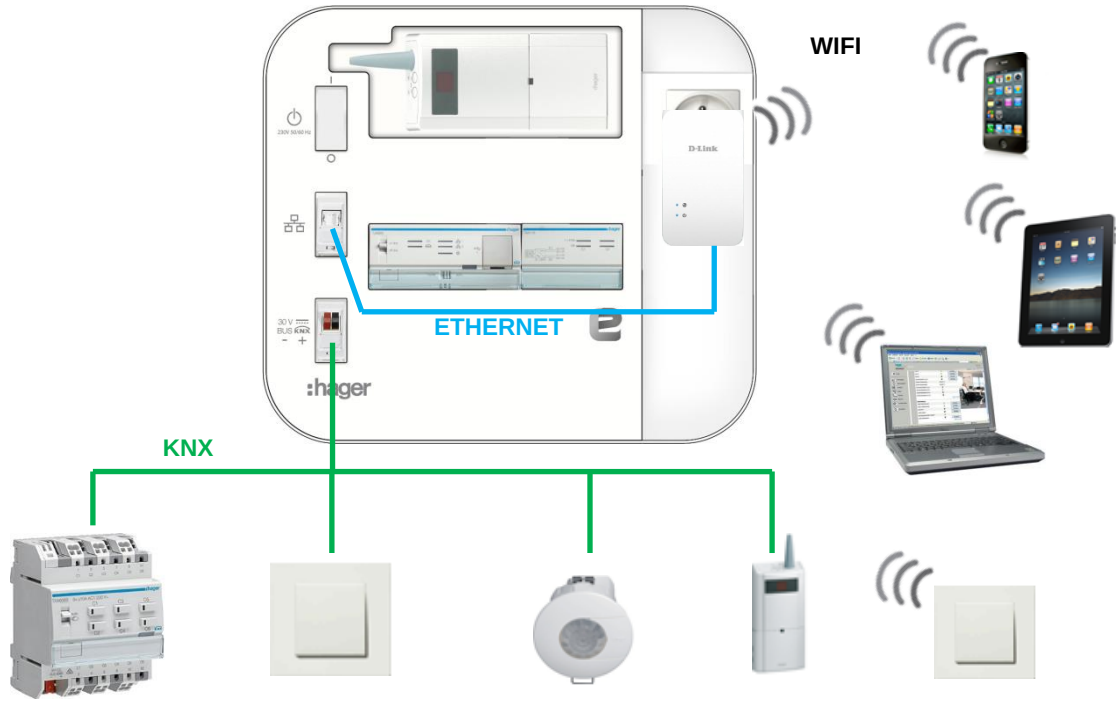
There are two options:

- **Radio installation only**



The products in the installation are radio products only. In order to set up these products, a media coupler must be connected to the configuration tool.

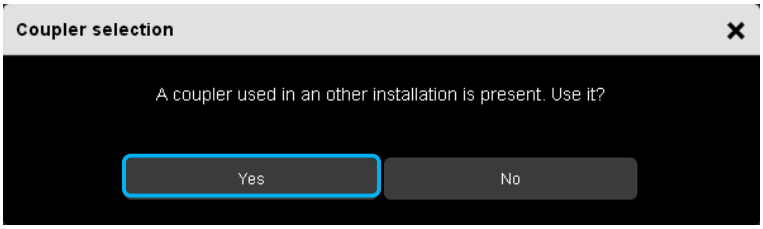
- **Mixed installation**



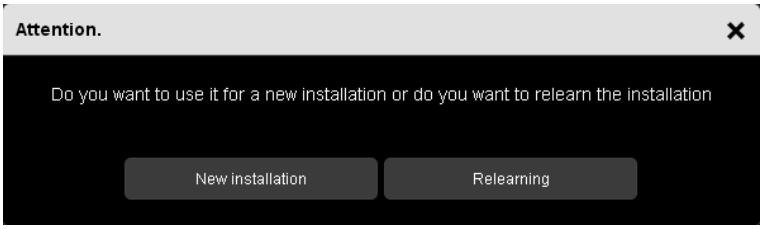
The products in the installation are radio and wired products. In this case, it is the media coupler that is already present in the installation that ensures the connection between the configuration tool and the radio connection.

- **Media coupler discovery**

When starting the setup of an installation, the configuration server will automatically recognise the media coupler. The following message appears:



- Click **Yes** to confirm.



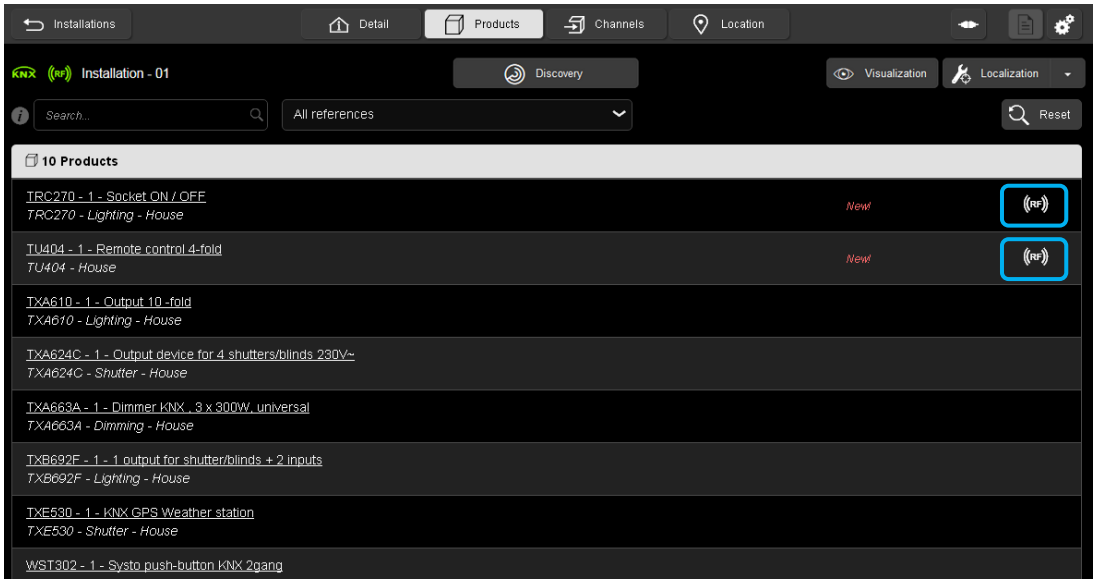
- Click on "**New installation**" to create an installation

OR

- Click on "**Relearning**" to relearn the existing setup.

- **Radio products discovery**

- Carry out a factory reset on the radio products to integrate them into the installation.
- Press the radio product CFG button
- Click on the "**Start discovery**" button



During product discovery, the radio products are recognised as wired products. An "RF" symbol indicates that it is a radio product. The product setup and creation of links is identical for wired products.

To carry out a factory reset on the radio products, refer to chapter 8.2.3.

9.3.3 PRODUCT REPLACEMENT

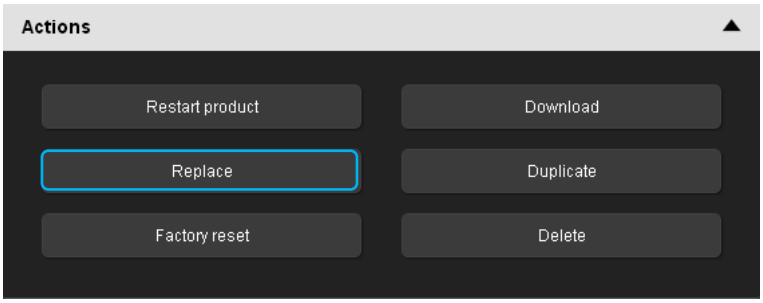
This section enables replacement of an installation product with another of the same reference.

Example of an input product replacement (WST316):

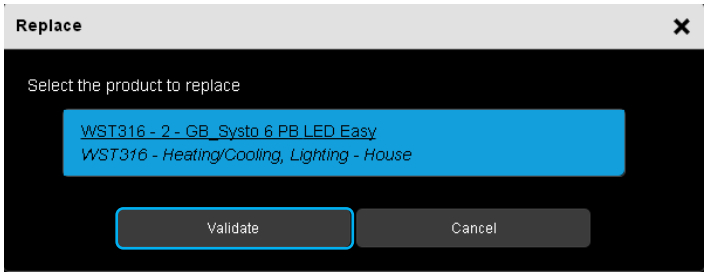
- Connect the new product to the installation
- In the configuration tool, go to the **Products** tab
- Click on **Discovery** to recognise a new product

> ➢ **Note:**
>
> If the "**Automatic discovery**" is activated, product recognition occurs automatically at the end of a configurable period (10 minutes by default).

- Select the product to be replaced
- Click on ▼ in the **Actions** tab



- Click on **Replace**



- Select the new product from the list and confirm it.

The new product is now set up and the old one is removed from the installation.

9.3.4 PRODUCT DUPLICATION

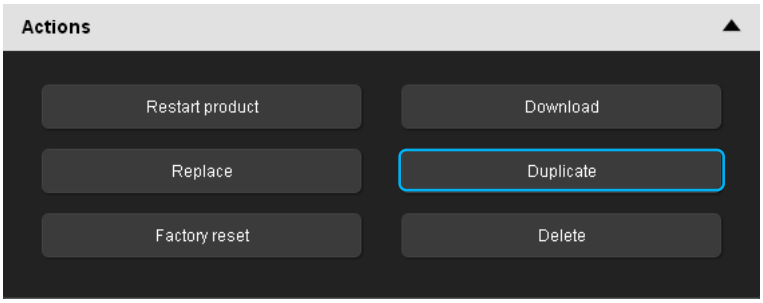
This section duplicates the settings from one product to another with the same reference.

Example of an input product (WST316) duplication for an identical control in two different places:

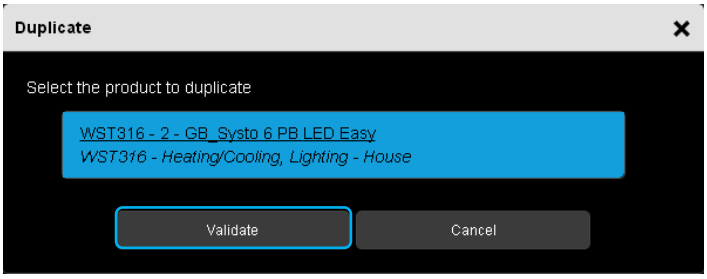
- Connect the new product to the installation
- In the configuration tool, go to the **Products** tab
- Click on **Discovery** to recognise a new product

> ➢ **Note:**
>
> If the "**Automatic discovery**" is activated, product recognition occurs automatically at the end of a configurable period (10 minutes by default).

- Select the product to be duplicated
- Click on ▼ in the **Actions** tab



- Click on **Duplicate**



- Select the new product from the list and confirm it.

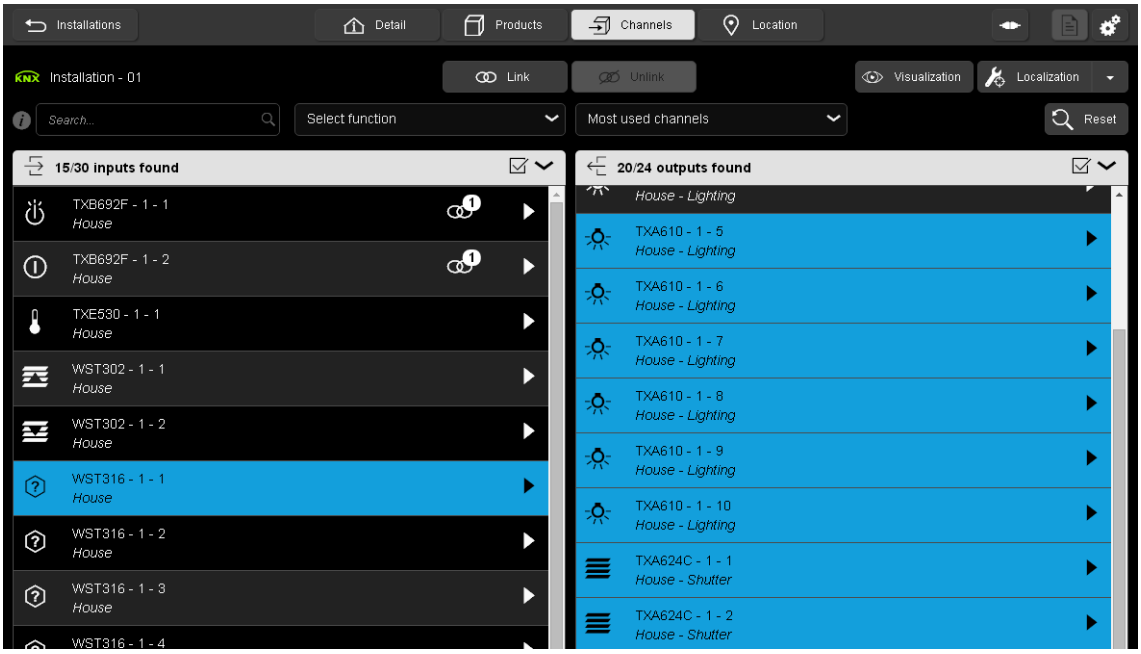
The new product is now set up with the same features as the product that is already in place.

9.3.5 OPERATION OF SCENES

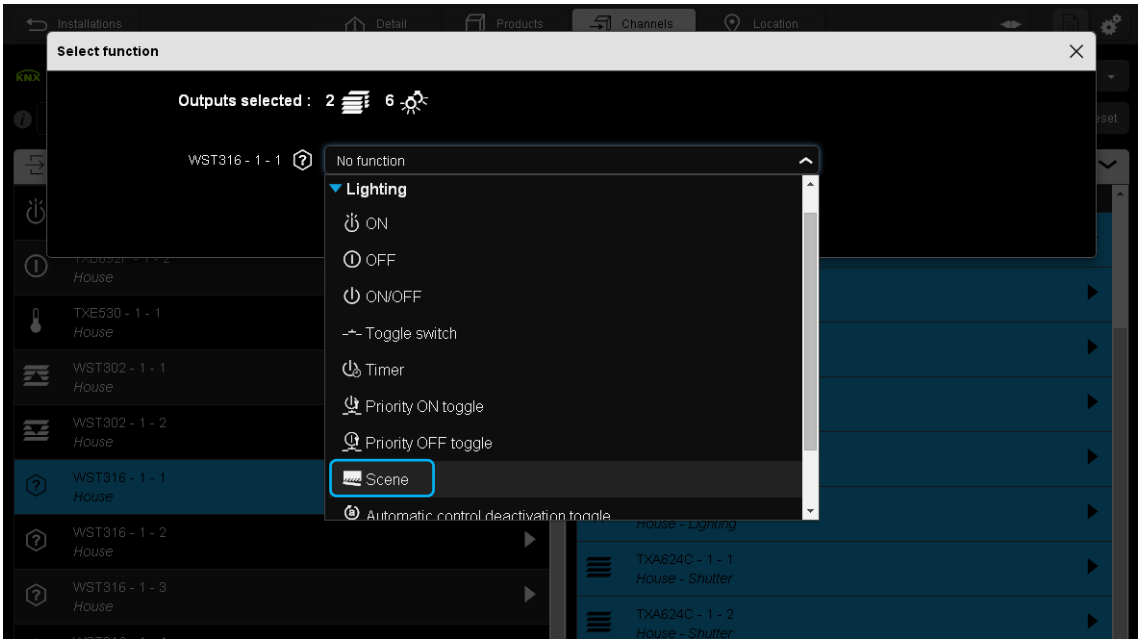
The Scene function groups a set of outputs. These outputs can be set to a configurable pre-defined status. A scene is activated by pressing a single push-button. Each output can be integrated into 8 different scenes.

- **Setting up a scene**

- Select the input(s) controlling the scene
- Select the output(s) assigned to the scene

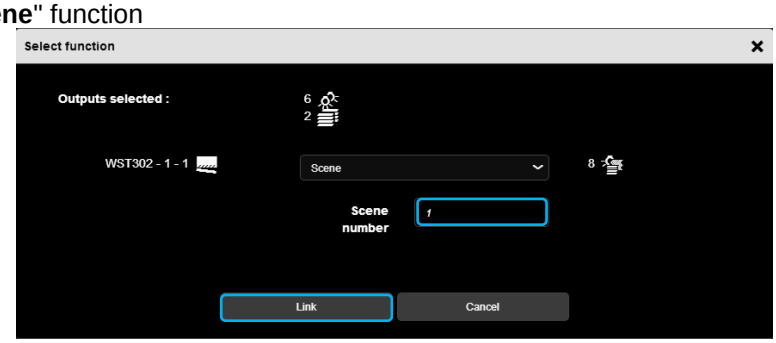


- Click on the "**Link**" button.



A "**Select function**" window appears:

- Select the "**Scene**" function

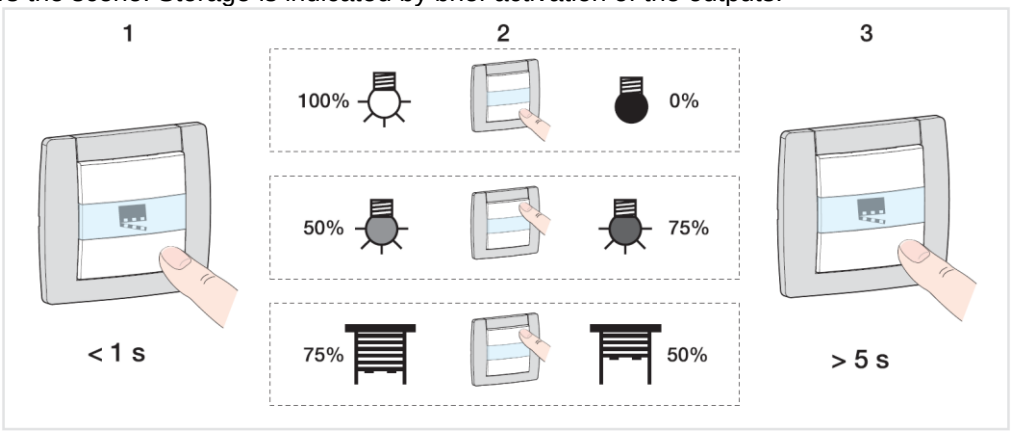


- Enter the scene number (1 to 8).
- Click on the "**Link**" button.

- **Scene learning and storage**

This procedure allows you to modify and store a scene by local action on the push-buttons located in the room.
Storing a scene using a push-button located in the room.

- Enable the scene by pressing briefly on the transmitter that triggers the scene.
- Set the outputs (lights, rolling shutters, etc.) to the desired status using the usual local controls (push-buttons, remote control, etc.).
- Store the status of outputs by pressing and holding (for more than 5 seconds) on the transmitter, which triggers the scene. Storage is indicated by brief activation of the outputs.



10. PRODUCTS APPENDIX

This chapter discusses the compatibility of the existing Hager product range with the new TXA100 configuration tool compared with the products compatible with the TX100.

The following chapters explain the configuration of certain products that require further explanation.

10.1 LIST OF PRODUCTS

10.1.1 WIRED PRODUCTS

Reference	Designation	Note
TCC510S	Presence detector 360° monobloc KNX	
TR130	Media coupler	§10.4
TR131	Media coupler	§10.4
TX206H	Heating actuator 6 channels	
TX302	Flush mounted input device 2-fold	
TX304	Flush mounted input device 4-fold	
TX304AS	Flush mounted input+status output 2-fold	
TX308	Flush mounted input + LED output 4-fold	
TX308AS	Flush mounted input+status output 4-fold	
TX320	Thermostat	§10.7
TX450	Room controller Tebis	§10.8
TX460A	Environment control and regulation Tebis White	§10.7
TX501	Valve actuator	
TX502	Valve actuator with temperature control	
TX510	EIB Presence detector	
TX511	EIB presence detector with Light Regulation	
TXA201A	1 flush mounted output 4A twisted pair	
TXB201A	1 flush mounted output 4A twisted pair	
TXB202A	2 flush mounted output 4A twisted pair	
TXB202-a2	2 flush mounted output 4A twisted pair	
TXB302	Flush mounted input device 2 -fold	
TXB304	Flush mounted input device 4 -fold	
TXB322	Flush mounted input + LED output 2 -fold	
TXB322AU	Flush mounted input + indicator output 2 -fold Mercury	
TXB344	Flush mounted input + LED output 4 -fold	
TXB344AU	Flush mounted input + indicator output 4 -fold Mercury	
TXC511	EIB presence detector with Light Regulation	
WHT300	Kallysto push button 2,4,6 ways tebis KNX	
WHT302	Kallysto push button 2 ways tebis KNX	
WHT310	Push button 2,4,6 ways LED Kallysto tebis CH	
WHT312	Push button 2 ways LED Kallysto tebis CH	
WHT330	Kallysto push button 2,4,6 ways LED+IR tebis KNX	
WKT302	Kallysta Push button KNX bus 2E	
WKT304	Kallysta Push button KNX bus 4E	

Reference	Designation	Note
WKT306	Kallysta Push button KNX bus 6E	
WKT312	Kallysta Push button KNX bus 2E w. indicator	
WKT314	Kallysta Push button KNX bus 4E w. indicator	
WKT316	Kallysta Push button KNX bus 6E w. indicator	
WKT322	Kallysta Push button KNX bus 2E +12E IR	
WKT324	Kallysta Push button KNX bus 4E +12E IR	
WKT501	Kallysta Sensor KNX bus comfort	
WKT502	Kallysta Sensor KNX bus comfort/safety	
WKT660	Kallysta energy manager KNX white	§10.9
WUT10	WUT10 - Push button 1gang, with integrated bus coupling unit	
WUT20	WUT20 - Push button 2gang, with integrated bus coupling unit	
WYT321	Single push button with status and FPL cream	
WYT341	Double push button with status and FPL cream	
WYT361	Triple push button with status and FPL cream	
WYT361IR	Triple push button with status and FPL with IR receiver cream	
WYT510	Detection head basic White	
WYT511C	Detection head comfort 180° cream	
WYT610	Thermostat with display White	§10.7
WYT620	Thermostat KNX multifunction with display white	§10.7

10.1.2 MODULAR PRODUCTS

Reference	Designation	Note
TE330	KNX Consumption Indicator	
TE331	KNX Consumption Indicator	
TX022	Weekly time switch EASY	§10.5
TX025	Light sensitive switch	§10.6
TX204A	Output 4 -fold 4A	
TX206A	Output 6 -fold 4A	
TX210	Dimmer 1 channel 600W	
TX211	3 dimmer outputs 1/10V	
TX211A	3 dimmer outputs 1/10V	
TX214	1 dimmer outputs 1/10V	
TX223	Output device for 4 shutters 230V~	
TX224	Output device for 4 shutters/blinds230V~	
TX225	Output device for 4 shutters 24V DC	
TX226	Output device for 4 shutters/blinds24VDC	
TX314	Input device 4 -fold 230V~	
TX316	Input device 6 -fold 230V~	
TXA022	Weekly time switch EASY	§10.5
TXA023	Weekly time switch 2 channels with DCF	§10.5
TXA025	Light sensitive switch	§10.6
TXA204	Output 4 -fold 4A	
TXA204-a2	Output 4 -fold 4A	

Reference	Designation	Note
TXA206	Output 6 -fold 4A	
TXA206-a2	Output 6 -fold 4A	
TXA207	Output 10 -fold 4A	
TXA207-a2	Output 10 -fold 4A	
TXA208	8-fold output 4A/230V manu mode w/o bus	
TXA208-a2	8-fold output 4A/230V manu mode w/o bus	
TXA210	Dimmer 1 channel 600W	
TXA210A	Dimmer 1 channel 300W	
TXA210-a2	Dimmer 1 channel 300W	
TXA210N	Dimmer 1 channel 300W	
TXA213	Dimmer 3 channels 300W	
TXA213-a2	Dimmer 3 channels 300W	
TXA213N	Dimmer 3 channels 300W	
TXA215	Dimmer 1 channel 1000W	
TXA215-a2	Dimmer 1 channel 1000W	
TXA223	Output device for 4 shutters 230V~	
TXA223-a2	Output device for 4 shutters 230V~	
TXA224	Output device for 4 shutters/blinds230V~	
TXA224-a2	Output device for 4 shutters/blinds230V~	
TXA225	Output device for 4 shutters 24V DC	
TXA225-a2	Output device for 4 shutters 24V DC	
TXA226	Output device for 4 shutters/blinds24VDC	
TXA226-a2	Output device for 4 shutters/blinds24VDC	
TXA227	Output device for 8 shutters 230V~	
TXA227-a2	Output device for 8 shutters 230V~	
TXA228	Output device for 8 shutters/blinds230V~	
TXA228-a2	Output device for 8 shutters/blinds230V~	
TXA230A	EM comfort KNX modular output master	§10.9
TXA230B	EM comfort KNX module output slave	§10.9
TXA304	Input device 4 -fold 230V~	
TXA306	Input device 6 -fold universal	
TXA310	Input device 10 -fold 230V~	

10.1.3 RADIO PRODUCTS

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Reference	Designation	Note
TD10x – TD11x	2-fold radio push button white	§10.2
TD20x – TD21x	4-fold radio push button white	§10.2
TD250 – TD251	4-fold solar push button white with FPL	§10.2
TD3xx	6-fold radio push button white	§10.2
TG51x	RF KNX battery smoke detector white	§10.2
TG54x	Battery TEBIS heat sensor, radio linked	§10.2
TK301	Push button 1 fold	§10.2
TK302	Push button 2 fold	§10.2
TR201	1 flush mounted output 16A mains powered	
TR210	1 flush mounted dimming output 200W	
TR221	1 flush mounted output f. blinds/shutter	
TR227	Tebis interface for Bubendorff shutters	
TR270	RF plug adapter	
TR271	RF plug adapter with dimmer	
TR302A	2 flush mounted battery inputs	§10.2
TR302B	2 flush mounted inputs mains powered	§10.2
TR304A	4 flush mounted battery inputs	§10.2
TR304B	4 flush mounted inputs mains powered	§10.2
TR351	RF unidir input concentrator white	§10.13
TR501	1 flush mounted output 10A + 1 bin input	
TR521	1 output blinds / shutters +2 bin inputs	
TRB201	1 flush mounted output 16A mains powered	
TRB210	1 flush mounted dimming output 200W	
TRB221	1 flush mounted output f. blinds/shutter	
TRB302A	2 flush mounted battery inputs	§10.3
TRB302B	2 flush mounted inputs mains powered	
TRB501	1 bin input +1 flush mounted output 10A	
TRB521	2 bin inputs + 1 output blinds /shutters	
TRC120	Gateway alarm radio LS / wired KNX	§10.12
TRC202	2-fold wall mounted output 16A IP55	
TRC270	RF plug adapter	
TRC301A	Opening detector RF	§10.3
TRC301B	Opening detector RF QL	§10.3
TRC321B	Light/twilight RF sensor, white	§10.3
TRE201	1-fold wall mounted output 10A IP55	
TRE202	2-fold wall mounted output 10A IP55	
TRE221	1-wall mount. out f. blinds/shutter IP55	
TRE301	RF external single push button	§10.3
TRE302	RF external double push button	§10.3

Reference	Designation	Note
TRE400	Combined 1Input +1output 10A IP55	
TRE500	Motion detector RF white	§10.3
TRE510	Motion detector Solar RF white	§10.3
TRE600	LED floodlight with PIR 220/360 RF QL	
TU204A	Radio remote control 4 channels	§10.2
TU208A	Radio remote control 8 channels	§10.2
TU224A	Radio remote control 24 channels	§10.2
TU402	2-channel remote control	§10.3
TU404	4-channel remote control	§10.3
TU406	6-channel remote control	§10.3
TU418	18-channel remote control	§10.3
TU444	2x4-channel KNX / LS remote control	§10.3
WHT390	Kallysto push button 2,4,6x RF tebis KNX	§10.2
WKT302R(uni)	Kallysta PB KNX radio 2f battery - Uni-directional	§10.2
WKT302R(bi)	Kallysta PB KNX radio 2f battery - Bi-directional	§10.3
WKT304R(uni)	Kallysta PB KNX radio 4f battery - Uni-directional	§10.2
WKT304R(bi)	Kallysta PB KNX radio 4f battery - Bi-directional	§10.3
WKT306R(uni)	Kallysta PB KNX radio 6f battery - Uni-directional	§10.2
WKT306R(bi)	Kallysta PB KNX radio 6f battery - Bi-directional	§10.3
WKT312R	Kallysta PB KNX radio 2f solar	§10.2
WKT314R	Kallysta PB KNX radio 4f solar	§10.2
WKT316R	Kallysta PB KNX radio 6f solar	§10.2
WKT400	Mechanism RF ON/OFF 2 wires	
WKT401	Mechanism RF ON/OFF 3 wires	
WKT402	Mechanism RF ON/OFF 3 wires prog	
WKT410	Dimmer 2 wires for kit WKT712B	
WKT412	Dimmer 2 wires + memo function	
WKT420	Mechanism RF shutter 3 wires	
WKT421	Mechanism RF shutter 4 wires	
WKT422	Mechanism RF shutter 3 wires + memo	
WKT423	Mechanism RF shutter 4 wires + memo	
WYC42xQ+WUC18	Time switch ON / OFF RF	
WYC42xQ+WUC35	Time switch ON / OFF RF + 1-fold output switch	
WYC81xQ+WUD86 WYC81xQ+WUD87	1-fold push button RF + 1 dimmer output	
WYC81xQ+WUC18	1-fold push button RF	
WYC81xQ+WUC21 WYC81xQ+WUC35	1-fold push button RF + 1-fold output switch	
WYC82xQ+WUD88	2-fold push button RF + 2 dimmer outputs	
WYC82xQ+WUC18	2-fold push button RF	
WYC82xQ+WUC22	2-fold push button RF + 2-fold output switch	
WYC84xQ+WUD86 WYC84xQ+WUD87	4-fold push button RF + 1 dimmer output	

Reference	Designation	Note
WYC84xQ+WUD88	4-fold push button RF + 2 dimmer outputs	
WYC84xQ+WUC18	4-fold push button RF	
WYC84xQ+WUC21 WYC84xQ+WUC35	4-fold push button RF + 1-fold output switch	
WYC84xQ+WUC22	4-fold push button RF + 2-fold output switch	
WYJ42xQ+WUC18	1-fold push button shutters / blinds RF	
WYJ42xQ+WUJ42	1-fold push button shutters / blinds RF + 1 shutter / blind output	
WYJ43xQ+WUC18	Time switch shutters-blinds RF	
WYJ43xQ+WUJ42	Time switch shutters-blinds RF + 1 shutter / blind output	
WYT11xQS WYT11xQB	1-fold push button RF battery	
WYT12xQS WYT12xQB	2-fold push button RF battery	
WYT32xF	Single push b. radio KNX cream	§10.2
WYT34xF	Double push b. radio KNX cream	§10.2
WYT36xF	Triple push b. radio KNX cream	§10.2
WYW51xQ+WUD86 WYW51xQ+WUD87 WYW52xQ+WUD86 WYW52xQ+WUD87	Motion detector RF + 1 dimmer output	
WYW51xQ+WUC18 WYW51xQ+WUC13 WYW52xQ+WUC18 WYW52xQ+WUC13	Motion detector RF	
WYW51xQ+WUC21 WYW51xQ+WUC35 WYW52xQ+WUC21 WYW52xQ+WUC35	Motion detector RF + 1-fold output switch	

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Reference	Designation	Note
8514_51_xx + 8542_11_00 8514_51_xx + 8542_12_00	1-fold push button RF + 1 dimmer output	
8514_51_xx + 8502_01_00	1-fold push button RF	
8514_51_xx + 8512_11_00 8514_51_xx + 8512_12_00	1-fold push button RF + 1-fold output switch	
8514_61_xx + 8542_21_00	2-fold push button RF + 2 dimmer outputs	
8514_61_xx + 8502_01_00	2-fold push button RF	
8514_61_xx + 8512_22_00	2-fold push button RF + 2-fold output switch	
8564_81_xx + 8542_11_00 8564_81_xx + 8542_12_00	4-fold push button RF + 1 dimmer output	
8564_81_xx + 8542_21_00	4-fold push button RF + 2 dimmer outputs	
8564_81_xx + 8502_01_00	4-fold push button RF	

Reference	Designation	Note
8564_81_xx + 8512_11_00 8564_81_xx + 8512_12_00	4-fold push button RF + 1-fold output switch	
8564_81_xx + 8512_22_00	4-fold push button RF + 2-fold output switch	
8524_51_xx + 8502_01_00	1-fold push button shutters / blinds RF	
8524_51_xx + 8522_11_00	1-fold push button shutters / blinds RF + 1 shutter / blind output	
8534_51_xx + 8542_11_00 8534_51_xx + 8542_12_00 8534_61_xx + 8542_11_00 8534_61_xx + 8542_12_00	Motion detector RF + 1 dimmer output	
8534_51_xx + 8502_01_00 8534_51_xx + 8532_01_00 8534_61_xx + 8502_01_00 8534_61_xx + 8532_01_00	Motion detector RF	
8534_51_xx + 8512_11_00 8534_51_xx + 8512_12_00 8534_61_xx + 8512_11_00 8534_61_xx + 8512_12_00	Motion detector RF + 1-fold output switch	
8565_51_xx 8565_52_xx	1-fold push button RF battery	
8565_61_xx 8565_62_xx	2-fold push button RF battery	
8574_51_xx + 8502_01_00	Time switch shutters-blinds RF	
8574_51_xx + 8522_11_00	Time switch shutters-blinds RF + 1 shutter / blind output	
8574_52_xx + 8502_01_00	Time switch ON / OFF RF	
8574_52_xx + 8522_11_00	Time switch ON / OFF RF + 1-fold output switch	
85105100	RF plug adapter	
85165100	1-fold wall mounted output 10A IP55	
85166100	2-fold wall mounted output 10A IP55	
85265100	1-wall mount. out f. blinds/shutter IP55	
85275100	1 output blinds / shutters +2 bin inputs	
85275200	1 flush mounted output f. blinds/shutter	
85365100	Motion detector RF white	§10.3
85365200	Motion detector Solar RF white	§10.3
85475100	1 flush mounted dimming output 200W	
85605100	2-channel remote control	§10.3
85606100	4-channel remote control	§10.3
85607100	6-channel remote control	§10.3
85608100	18-channel remote control	§10.3
85801100	Light/twilight RF sensor, white	§10.3
85801200	Opening detector RF	§10.3
85865100	Combined 1Input +1output 10A IP55	
85875100	1 bin input +1 flush mounted output 10A	
85875200	1 flush mounted output 16A mains powered	
85876100	2 flush mounted battery inputs	§10.3
85876200	2 flush mounted inputs mains powered	

10.1.4 VARIOUS PRODUCTS

Reference	Designation	Note
B2T_BFF	Pushbutton KNX radio 2f battery	§10.3
B4T_BFF	Pushbutton KNX radio 4f battery	§10.3
MVX1_BFF	Motor Y1	
LI56302	Flush mounted input device 2 -fold	
LI56304	Flush mounted input device 4 -fold	
LI56322	Flush mounted input + LED output 2 -fold	
LI56344	Flush mounted input + LED output 4 -fold	
QAX910	Central unit apartment / Synco Living	

10.2 UNIDIRECTIONAL RADIO PRODUCTS

These products are recognized by the TXA100 configuration tool. They can be identified by the absence of a "CFG" configuration button.

Unidirectional product inputs are displayed in the input list. These inputs can be linked to other outputs and the links can also be deleted.

However, the function assigned to the input cannot be modified. If the installation requires another function, the product in question must be replaced.

Below is the list of possible replacement products:

Unknown ref.	Designation	Replacement ref.	Designation
TD10x – TD11x	2-fold radio push button white	WKT302R(bi)	Kallysta PB KNX radio 2f battery - Bi-directional
TD20x – TD21x	4-fold radio push button white	WKT304R(bi)	Kallysta PB KNX radio 4f battery - Bi-directional
TD250 - TD251	4-fold solar push button white with FPL	WYT12xQS	2-fold push button RF battery
TD3xx	6-fold radio push button white	WKT306R(bi)	Kallysta PB KNX radio 6f battery - Bi-directional
TK301	Push button 1 fold	WKT302R(bi)	Kallysta PB KNX radio 2f battery - Bi-directional
TK302	Push button 2 fold	WKT304R(bi)	Kallysta PB KNX radio 4f battery - Bi-directional
TR302A	2 flush mounted battery inputs	TRB302A	2 flush mounted battery inputs
TR302B	2 flush mounted inputs mains powered	TRB302B	2 flush mounted inputs mains powered
TR304A	4 flush mounted battery inputs	2xTRB302A	2 flush mounted battery inputs
TR304B	4 flush mounted inputs mains powered	2xTRB302B	2 flush mounted inputs mains powered
TU204A	Radio remote control 4 channels	TU404	4-channel remote control
TU208A	Radio remote control 8 channels	TU406	6-channel remote control
TU224A	Radio remote control 24 channels	TU418	18-channel remote control
WKT302R(uni)	Kallysta PB KNX radio 2f battery - Uni-directional	WKT302R(bi)	Kallysta PB KNX radio 2f battery - Bi-directional
WKT304R(uni)	Kallysta PB KNX radio 4f battery - Uni-directional	WKT304R(bi)	Kallysta PB KNX radio 4f battery - Bi-directional
WKT306R(uni)	Kallysta PB KNX radio 6f battery - Uni-directional	WKT306R(bi)	Kallysta PB KNX radio 6f battery - Bi-directional
WKT312R	Kallysta PB KNX radio 2f solar	WYT11xQS	1-fold push button RF battery
WKT314R	Kallysta PB KNX radio 4f solar	WYT12xQS	2-fold push button RF battery
WKT316R	Kallysta PB KNX radio 6f solar	WKT306R(bi)	Kallysta PB KNX radio 6f battery - Bi-directional
WYT32xF	Single push b. radio KNX cream	WKT302R(bi)	Kallysta PB KNX radio 2f battery - Bi-directional
WYT34xF	Double push b. radio KNX cream	WKT304R(bi)	Kallysta PB KNX radio 4f battery - Bi-directional
WYT36xF	Triple push b. radio KNX cream	WKT306R(bi)	Kallysta PB KNX radio 6f battery - Bi-directional

The TG51x and TG54x will be replaced by a new upcoming offer.

10.3 BATTERY-POWERED BIDIRECTIONAL RADIO PRODUCTS

These products can be set up with the TXA100 configuration tool. However, certain rules must be followed:

- Before changing any settings or launching the relearning of an installation, put the radio product in configuration mode. To do this, briefly press the "CFG" button.

- In a new installation, a factory reset must be carried out on each product for them to be recognised by the TXA100 configuration tool:

    - Press the "CFG" button for at least 10 seconds. When the LED flashes, release the button.
    - Briefly press the "CFG" button to put the product in configuration mode before starting product discovery with the TXA100 configuration tool.

Certain older bidirectional radio products are not compatible with the TXA100 configuration tool. They can be identified by their date code (generally on the rear of the product or the battery compartment).
The date code is displayed in GCxxyy format, where xx corresponds to the week of the year the product was manufactured and yy corresponds to the year of manufacture (Ex: GC1013 – week 10 of the year 2013)

Below is the list of products with the first date codes compatible with the TXA100 configuration tool.

TRB302A	GC2111
TRB302B	GC1711
WKT302R or TU402	GC1211
WKT304R or TU404	GC1611
WKT306R or TU406	GC1211
TU418	GC2611

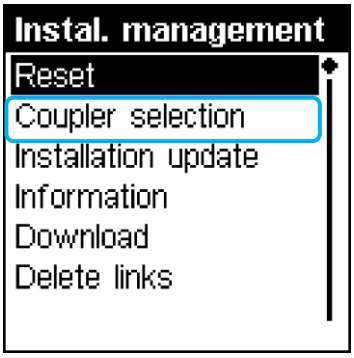
All Berker bidirectional radio products are compatible.

10.4 MEDIA COUPLER EXCHANGE

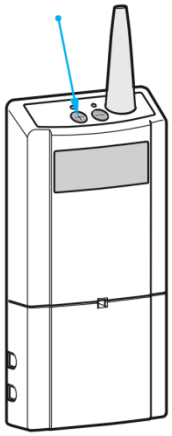
The TR130 media coupler is not compatible with the TXA100 configuration tool. It must be replaced with a TR131 media coupler.

Below is the exchange procedure:

- Disconnect the TR130 media coupler from the KNX bus of the installation.
- Connect the new TR131 media coupler.
- Start the TX100.
    - A message “the wired products cannot be updated’ will appear. This indicates that the coupler is not recognised and must be paired.
- Click “**YES**” to continue.
- Press the "**Menu**" key.
- Go to Installation Management / Coupler selection



- Press OK to validate
- Select the coupler by pressing its pairing button for 4 seconds.



    - The "**CF**" display will appear.
    - The new coupler is recognized by the TX100
- Click “YES” to confirm the replacement
    - The TX100 downloads the new data. The installation functions again.

10.5 OPERATION WITH A KNX CLOCK

The clock sends the current date and time to the whole system.
The clock products recognised by the configuration tool are:

- TX022
- TXA022
- TXA023

Example: TXA022

3 Inputs	
	TXA022-1-1
	TXA022-1-2
	TXA022-1-3

1 Output	
	TXA022-1-1

Operation of inputs:

- **Configurable input**

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function in the same way as the push-buttons (See chapter 10.11 for the list of available functions).

- **Specific input**

The symbol indicates that the input can send current date and time information to other products on the bus.

Operation of outputs:

- **Specific output**

The symbol indicates that the output can receive current date and time information from another product on the bus.

➢ **Note: Automatic link**

The purpose of this function is to automatically create links, depending on the choice of settings or the presence of a product, and to facilitate the configuration of products.

The clock's operation is affected by this type of link (See chapter 7.3.1.1 for the definition of these links).

10.6 OPERATION WITH A TWILIGHT SWITCH

The twilight switch sends light intensity information to the whole system.
The twilight switch products recognised by the configuration tool are:

- TX025
- TXA025
- TXA026

Example: TXA025

2 Inputs	
	TXA025-1-1
	TXA025-1-2

1 Output	
	TXA025-1-1

Operation of inputs:

- **Configurable input**

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function in the same way as the push-buttons (See chapter 10.11 for the list of available functions).

- **Specific input**

The symbol indicates that the input can send light intensity information to other products on the bus.

Operation of outputs:

- **Specific output**

The symbol indicates that the output can receive light intensity information from another product on the bus.

> ➢ **Note: Automatic link**
>
> The purpose of this function is to automatically create links, depending on the choice of settings or the presence of a product, and to facilitate the configuration of products.
>
> The twilight switch's operation is affected by this type of link (See chapter 7.3.1.2 for the definition of these links).

10.7 OPERATION WITH A THERMOSTAT

The thermostat allows you to regulate the ambient temperature with the heating systems.
The thermostat products recognised by the configuration tool are:

- TX320
- TX460
- WYT610
- WYT620

Example: TX460

6 Inputs	
	TX460-1-1
	TX460-1-2
	TX460-1-3
	TX460-1-4
	TX460-1-5
	TX460-1-6

1 Output	
	TX460-1-33

Certain older products are not compatible with the TXA100 configuration tool. They can be identified by their date code. The date code is displayed in GCxxyy format, where xx corresponds to the week of the year the product was manufactured and yy corresponds to the year of manufacture (Ex: GC1013 – week 10 of the year 2013). Below is the list of products with the first date codes compatible with the TXA100 configuration tool.

TX460A	GC4509
TX460B	GC4509

Example: WYT620

5 Inputs	
	WYT62X-1-1
	WYT62X -1-2
	WYT62X -1-3
	WYT62X -1-4
	WYT62X -1-5

1 Output	
	WYT62X -1-33*

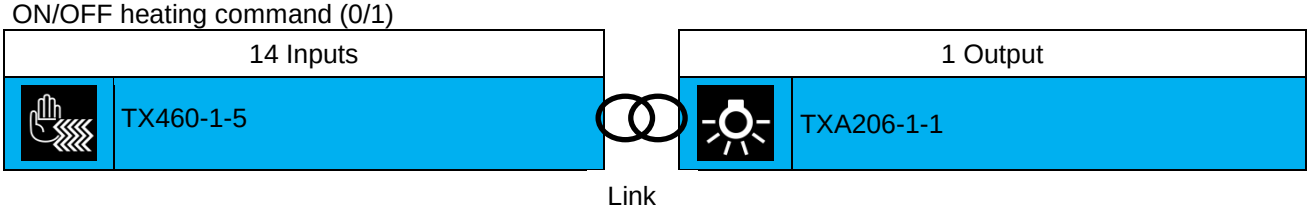
*visible when the TXA100's channel display filter displays all the outputs.

Operation of inputs:

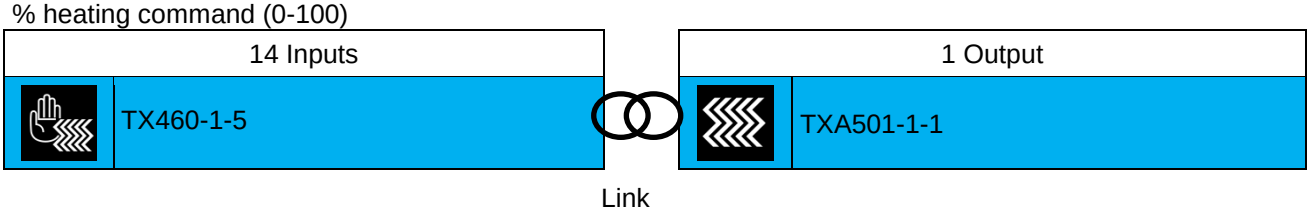
- **Thermostat**

The symbol indicates that the input can manage the outputs of the heaters, all or nothing or a value in %.

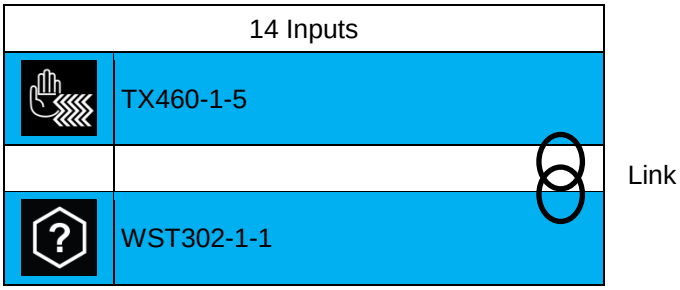
ON/OFF heating command (0/1)



% heating command (0-100)



It is also possible to send a heating mode to the thermostat using an input contact. To do this, a link must be made between two inputs.



Below is a table of possible functions:

	Mode Comfort		Mode Standby		Priority Comfort		Scene
	Mode Eco		Mode Protection		Priority Protection		

➢ **Note: Setting up a thermostat product**

It is possible, from the product, to configure the **Time-Delayed Comfort Duration** and **Actions During Delay**

- **Configurable input**

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function in the same way as the push-buttons (See chapter 10.11 for the list of available functions).

Operation of outputs:

- **Specific output**

	TX460-1-33

The symbol indicates that the output can receive current date and time information from another product on the bus.

	WYT62X -1-33*

The symbol means that the output can receive state indications from another product to manage backlighting.

10.8 OPERATION WITH A TX450 DISPLAY

The TX450 room ambiance controller is a wall-mounted control and display device. It combines 4 touch-sensitive keys and a central display.

4 Inputs	
	TX450-1-1
	TX450-1-2
	TX450-1-3
	TX450-1-4

13 Outputs	
	TX450-1-1
	TX450-1-2
	TX450-1-3
	TX450-1-4
	TX450-1-5
	TX450-1-29*
	TX450-1-30*
	TX450-1-31*
	TX450-1-32*
	TX450-1-33*
	TX450-1-34*
	TX450-1-35*
	TX450-1-36*

*visible when the TXA100's channel display filter displays all the outputs.

Operation of inputs:

- **Configurable input**

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function in the same way as the push-buttons (See chapter 10.11 for the list of available functions).

Operation of outputs:

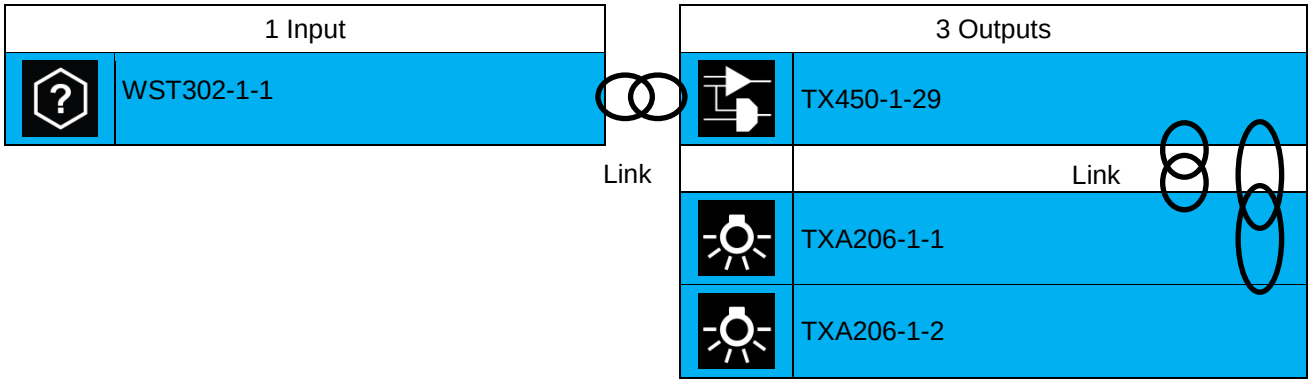
- **Specific output**

The symbol means that the output can receive state indications from another product.

The symbol indicates that the output can receive current date and time information from another product on the bus.

The symbol indicates that the output can receive the status of inputs or outputs from one or several products in order to perform a logical operation to display information.

Below is an example of possible links:



10.9 OPERATION WITH AN ENERGY MANAGER

The "Energy manager" function is built on the basis of a WKT660B room unit, a modular TXA230A master room unit as it uses tele-information and possibly a modular TXA230B slave room unit depending on the number of zones to manage.

Example: WKT660

12 Inputs		
	WKT660-1-1	heating channel 1
	WKT660-1-2	heating channel 2
	WKT660-1-3	heating channel 3
	WKT660-1-4	heating channel 4
	WKT660-1-5	heating channel 5
	WKT660-1-6	heating channel 6
	WKT660-1-7	heating channel 7
	WKT660-1-8	heating channel 8
	WKT660-1-9	DHW control channel 1
	WKT660-1-10	DHW control channel 2
	WKT660-1-11	room temperature channel
	WKT660-1-12	demand response channel

14 Outputs		
	WKT660-1-1	rate information channel
	WKT660-1-2	view metering channel 1
	WKT660-1-3	view metering channel 2
	WKT660-1-4	view metering channel 3
	WKT660-1-5	view metering channel 4
	WKT660-1-6	view metering channel 5
	WKT660-1-7	view metering channel 6
	WKT660-1-8	view metering channel 7
	WKT660-1-9	product management channel (absence/presence, frost protection preset, stop heating)
	WKT660-1-10	outside temperature display channel
	WKT660-1-11	time and date display channel
	WKT660-1-12	load shedding information channel
	WKT660-1-13	TXA230A fault display channel (pilot wire short circuit and mains failure)
	WKT660-1-14	TXA230B fault display channel (pilot wire short circuit and mains failure)

Example: TXA230A

17 Inputs		
	TXA230A-1-1	rate information channel
	TXA230A -1-2	metering channel 1
	TXA230A -1-3	metering channel 2
	TXA230A -1-4	metering channel 3
	TXA230A -1-5	tele-info metering channel
	TXA230A -1-6	load shedding status channel
	TXA230A -1-7	fault channel
	TXA230A -1-8	outside temperature channel
	TXA230A -1-9	heating load shedding channel 1
	TXA230A -1-10	heating load shedding channel 2
	TXA230A -1-11	heating load shedding channel 3
	TXA230A -1-12	heating load shedding channel 4
	TXA230A -1-13	heating load shedding channel 5
	TXA230A -1-14	heating load shedding channel 6
	TXA230A -1-15	heating load shedding channel 7
	TXA230A -1-16	heating load shedding channel 8
	TXA230A -1-17	DHW load shedding channel

4 Outputs		
	TXA230A-1-1	heating channel 1
	TXA230A-1-2	heating channel 2
	TXA230A-1-3	heating channel 3
	TXA230A-1-4	DHW control channel

Example: TXA230B

4 Inputs		
	TXA230B -1-1	metering channel 1
	TXA230B -1-2	metering channel 2
	TXA230B -1-3	metering channel 3
	TXA230B -1-4	fault channel

13 Outputs		
	TXA230B-1-1	heating channel 1
	TXA230B-1-2	heating channel 2
	TXA230B-1-3	heating channel 3
	TXA230B-1-4	DHW control channel
	TXA230B-1-5	rate information channel
	TXA230B-1-6	load shedding status channel
	TXA230B-1-7	heating load shedding channel 1
	TXA230B-1-8	heating load shedding channel 2
	TXA230B-1-9	heating load shedding channel 3
	TXA230B-1-10	heating load shedding channel 4
	TXA230B-1-11	heating load shedding channel 5
	TXA230B-1-12	heating load shedding channel 6
	TXA230B-1-13	DHW load shedding

Operation of inputs:

- **Specific input**

TXA230A/B

	Enables emission of current rate received by tele-information of the subscriber's counter.
	Enables display of energy consumed.
	Enables display of load shedding in progress.
	Enables emission of an electrical connection fault with the pilot wires or the absence of power.
	Enables emission of exterior temperature.
	Enables reception of the current set point sent by a WKT660 to define load shedding priority.
	Enables load shedding of the DHW output.

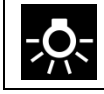
WKT660

	Enables control of the heating area through pilot wire or thermostat depending on programming and local controls.
	Enables control of a DHW tank depending on the rate, fee schedule, and local controls
	Enables sending of temperature measured by the room unit to remote interfaces
	Enables control of an all or nothing output depending on the rate and fee schedule

Operation of outputs:

- **Specific output**

TXA230A/B

	Enables control of pilot wire outputs depending on the current set point sent by the WKT660B.
	Enables command of a DHW output depending on the current set point sent by the WKT660B.

WKT660

	Enables display of current rate and indexes consumption.
	Enables display of energy consumed.
	Makes it possible to put all of the heating zones in absent or present mode.
	Enables display of ambient temperature measured by an exterior sensor.
	Enables synchronisation of current time and date set by the master clock.
stop	Enables display of load shedding in progress.
	Enables display of an electrical connection fault with a TXA230.

During the installation scan the TXA100 detects products then automatically performs the following links:

The counter channels:

Inputs	Outputs
TXA230A -1-2	WKT660-1-2

Electrical connection fault:

Inputs	Outputs
TXA230A -1-7	WKT660-1-13

Exterior temperature:

Inputs	Outputs
TXA230A -1-8	WKT660-1-10

The current rate

Inputs
TXA230A -1-1
TXA230A -1-2

For the configuration tool to start the automatic link procedure there should only be one TXA230A master output module in the installation and no more than one TXA230B slave output module.
The number of WKT660B input modules is unlimited.

➢ **Note: Automatic link for exterior temperature**

The purpose of this function is to automatically create links, depending on the choice of settings or the presence of a product, and to facilitate the configuration of products.

The operation of the energy manager for the exterior temperature is affected by this type of link (See chapter 7.3.1.4 for the definition of these links).

10.10 OPERATION WITH A CONSUMPTION INDICATOR

The consumption indicator (TE330/TE331) provides users with information about their consumption through multiple metering channels, including one specifically dedicated to “tele-information”. It is used to monitor and control electrical consumption and is integrated into a global automatic energy management system.

Example: TE331

6 Inputs		
	TE331-1-1	rate information channel
	TE331-1-2	tele-info metering channel
	TE331 -1-3	metering channel 1
	TE331 -1-4	metering channel 2
	TE331 -1-5	metering channel 3
	TE331 -1-6	three-phase metering channel
	TE331 -1-7	metering channel - addition
	TE331 -1-8	metering channel - other
	TE331 -1-9	outside temperature channel

0 Outputs

➢ **Note:**

- Metering channel addition = metering channel 1 + 2 + 3
- Metering channel other = tele-info metering channel – (Metering channel 1 + 2 + 3)
- Three-phase metering channel = Metering using 3 toroids linked to each phase

Example: TE330

6 Inputs		
	TE330-1-1	rate information channel
	TE330-1-2	tele-info metering channel
	TE330 -1-3	metering channel 1
	TE330 -1-4	metering channel 2
	TE330 -1-5	metering channel 3
	TE330 -1-6	outside temperature channel

0 Outputs

Operation of inputs:

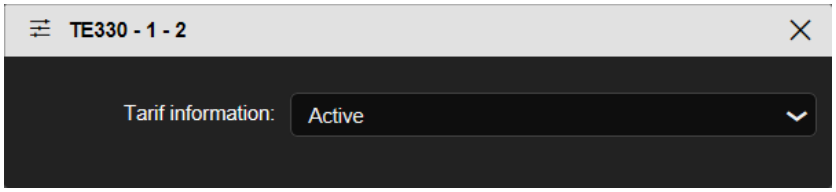
- **Specific input**

TE330 – TE331

	Enables the current rate received by the tele-info of the subscriber's meter to be issued.
	Enables the electricity consumed to be displayed.
	Enables the outside temperature to be transmitted.

- **Choosing the rate**

With regard to setting the product's rate channel, you can choose the desired rate.



- **Active**: tele-information rate
- **Inactive**: T1/T2 rate

10.11 OPERATION OF CONFIGURABLE INPUTS

Several products have a certain number of inputs whose functions must be defined by the installer.

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function.

Below is a table of possible functions:

Lighting		Dimmer		Shutter		Heating/cooling	
	ON		Dim Up/ON		Shutter UP		Mode Confort
	OFF		Dim Down/OFF		Shutter DOWN		Mode Eco
	ON/OFF		Dim Up/Down		Up/down toggle		Mode Standby
	Toggle switch		Scene		Priority UP		Mode Protection
	Timer				Priority DOWN		Priority Confort
	Priority ON				Scene		Priority Protection
	Priority OFF						Scene
	Scene						

10.12 CONNECTION WITH THE ALARM INTERFACE

The TRC120 interface enables an intrusion alarm system from the LS range (central radio unit or mixed) to communicate with KNX products. On the alarm side, the interface communicates with the central alarm unit via radio and wired bus on the KNX side.

It acts as an input/output product that comprises:
• 8 KNX outputs, KNX orders received by the interface which are then transmitted to the central alarm control unit,
• 16 KNX inputs, information on the state of the alarm system issued by the central unit which can be linked with KNX controls.

TXA100 view:

16 Inputs	
	TRC120-1-1
	TRC120-1-2
	TRC120-1-16

8 Outputs	
	TRC120-1-1
	TRC120-1-2
	TRC120-1-3
	TRC120-1-4
	TRC120-1-5
	TRC120-1-6
	TRC120-1-7
	TRC120-1-8

Setting up the inputs:

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function. Below is a table of possible functions:

Lighting		Shutter		Heating/cooling	
	ON		Up/down		Mode Confort
	OFF		Down/up		Mode Eco
	ON/OFF		Up switch		Mode Standby
	Timer		Down switch		Mode Protection
	Priority ON		Priority UP		Mode Auto
	Priority OFF		Priority DOWN		Mode Confort/Eco
	Scene		Scene		Mode Confort/Standby
					Mode Protection/Auto
					Priority Confort
					Priority Protection
					Timer confort
					Scene

The status indications are made on TRC120 inputs.

TRC120-1-1	Status armed/disarmed group 1	TRC120-1-9	Status discrete prealarm
TRC120-1-2	Status armed/disarmed group 2	TRC120-1-10	Status full prealarm
TRC120-1-3	Status armed/disarmed group 3	TRC120-1-11	Status intrusion
TRC120-1-4	Status armed/disarmed group 4	TRC120-1-12	Status intrusion confirmed
TRC120-1-5	Status global armed	TRC120-1-13	Status alert
TRC120-1-6	Status global disarmed	TRC120-1-14	Status silent alert
TRC120-1-7	Status protected entrance	TRC120-1-15	Status fire alarm
TRC120-1-8	Status anomaly	TRC120-1-16	Status technical alarm

So that these states are transmitted to domovea, Returns must:
- Assign to each input function even if they are not used.
- Enable domovea export on each input.

Operation of outputs:

The following commands can be sent by a KNX transmitter to the alarm system via the TRC120 interface:

Alarm output functions	Description
	On/Off groups 1 to 4
	Partial operation 1
	Silent alarm (24/7)
	Fire alarm (24/7)
	Alarm (24/7)

10.13 CONNECTION WITH THE RADIO INPUT CONCENTRATOR

TR351 concentrators allow you to increase the number of unidirectional radio products in a mixed installation (radio/wired) by grouping inputs with the same function.
In the system, TR351 concentrators are equivalent to 24-channel input modules.

TXA100 view:

24 Inputs	
	TR351-1-1
	TR351-1-2
⋮	
	TR351-1-24

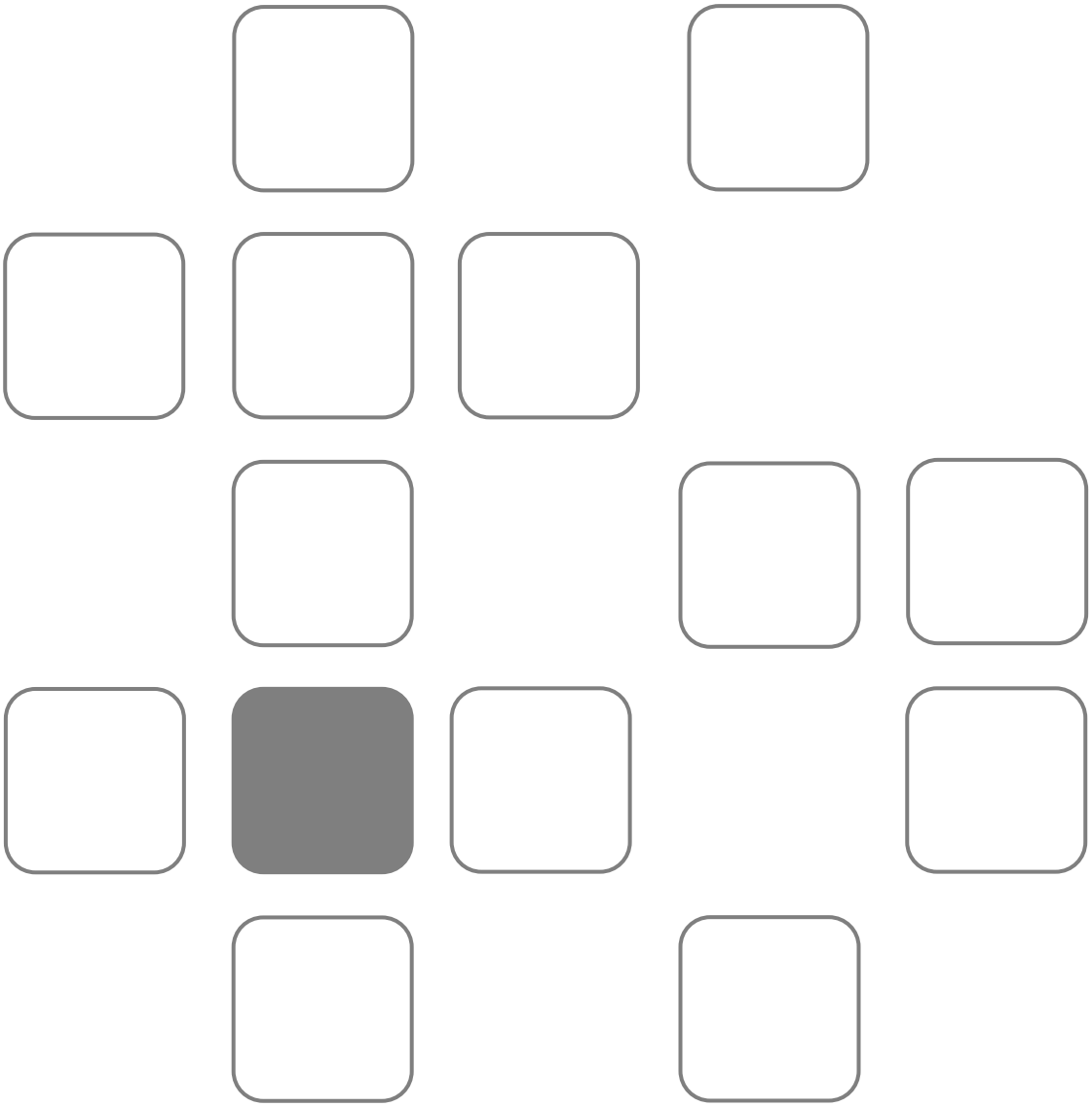
0 Outputs	

Setting up the inputs:

The symbol indicates that the input does not have a defined function. Each input must be assigned the desired function. Below is a table of possible functions:

Lighting		Dimmer		Shutter		Heating/cooling	
	ON		Dim Up/ON		Shutter UP		Mode Confort
	OFF		Dim Down/OFF		Shutter DOWN		Mode Eco
	ON/OFF		Dim Up/Down		Up/down toggle		Mode Standby
	Toggle switch		Scene		Priority UP		Mode Protection
	Timer				Priority DOWN		Mode Auto
	Priority ON				Scene		Mode Confort/Standby
	Priority OFF						Mode Protection/Auto
	Scene						Priority Confort
							Priority Protection
							Timer confort
							Scene

TXA100 configuration tool
Installer manual



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