:hager

domovea

Programming

TJA450

on-line
off-line

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1. INTRODUCTION

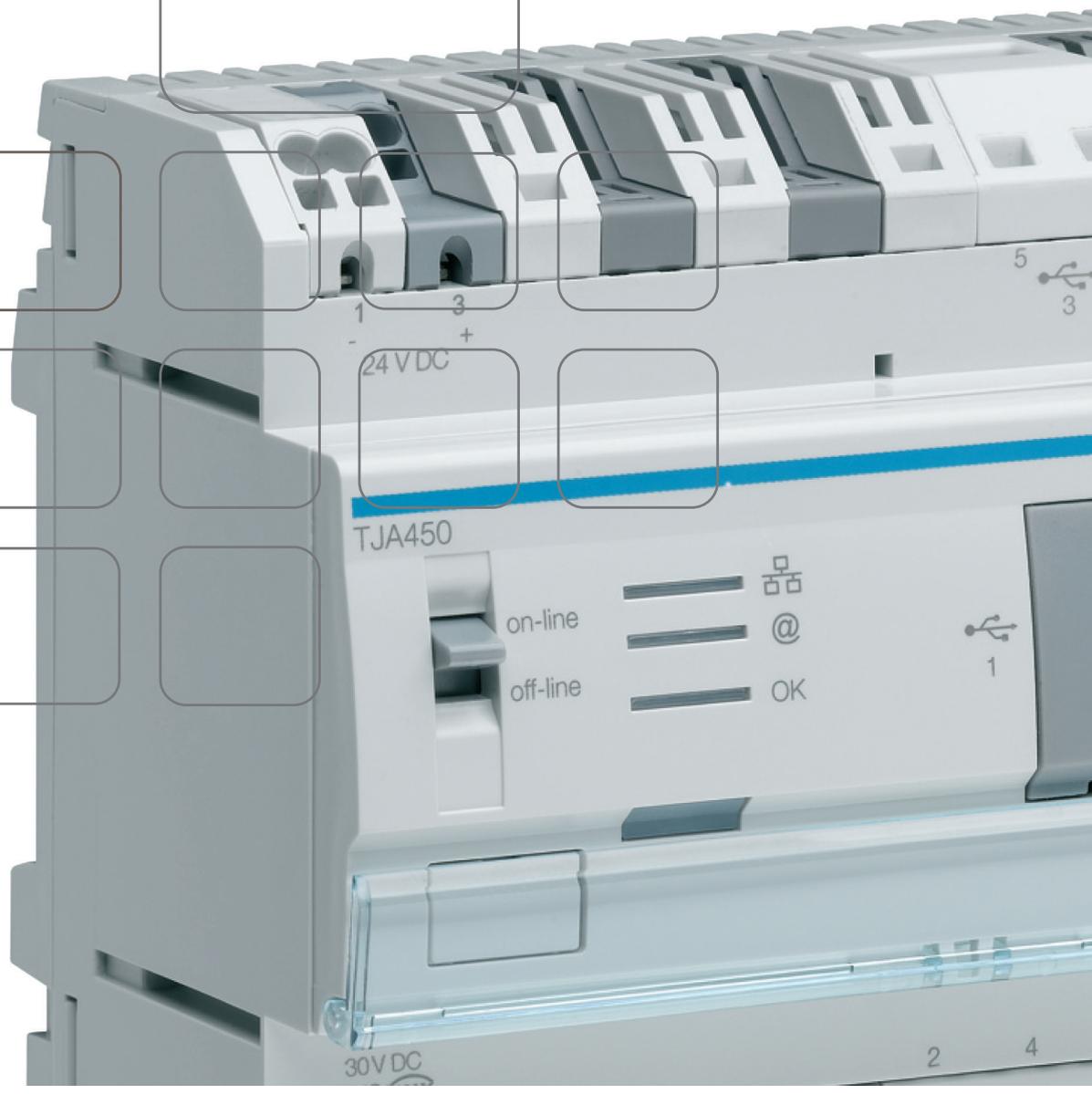There are two categories of automation type in domovea:

- Programs

Programs are used to automate actions according to time criteria. Programs can be configured via the end customer configuration tool.

- Sequences

Sequences are used to create complex scenarios and allow functions to be executed either in response to sensor states or independently of them. Sequences can only be configured via the domovea configuration tool.

The remainder of this document will deal exclusively with programming as the sequence functions are covered by a specific document.

2.   WEB CONFIGURATION TOOL

The domovea program function is used to automate actions according to time criteria. Programs can be configured via the end customer configuration tool.

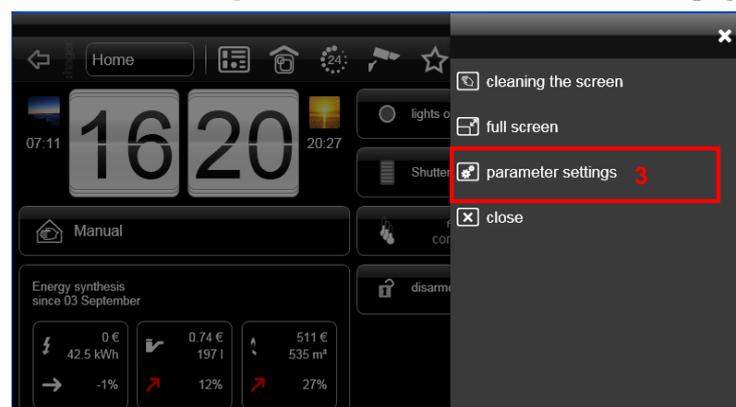The configuration tool can be accessed in 3 different ways:

- o **From the domovea** configuration tool**:**

  - Click on the icon (1) to access the web page.
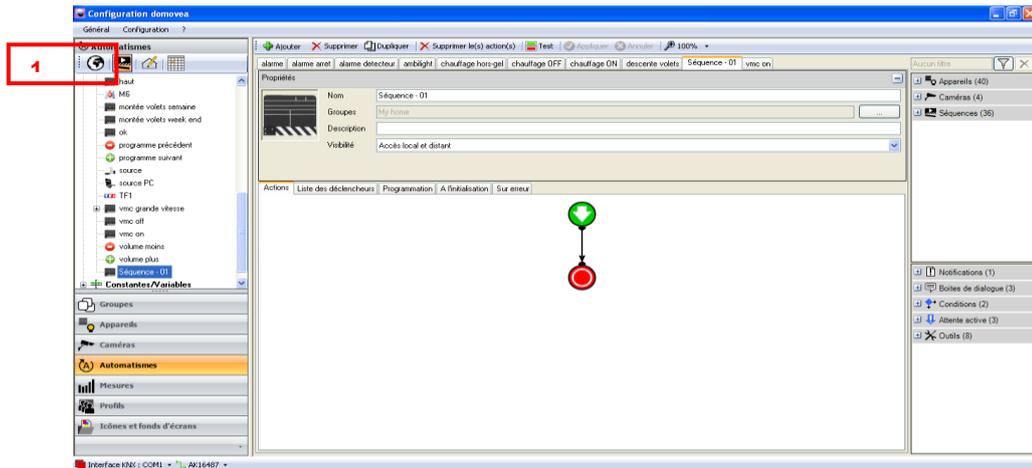
- o **From the client (PC and touch panel):**

- Click on the arrow (2) on the right-hand side of your dashboard.

- Click on the **Configuration tool** (3) to access the web page.

o **Directly from your web browser:**

- Open a web page in your browser,

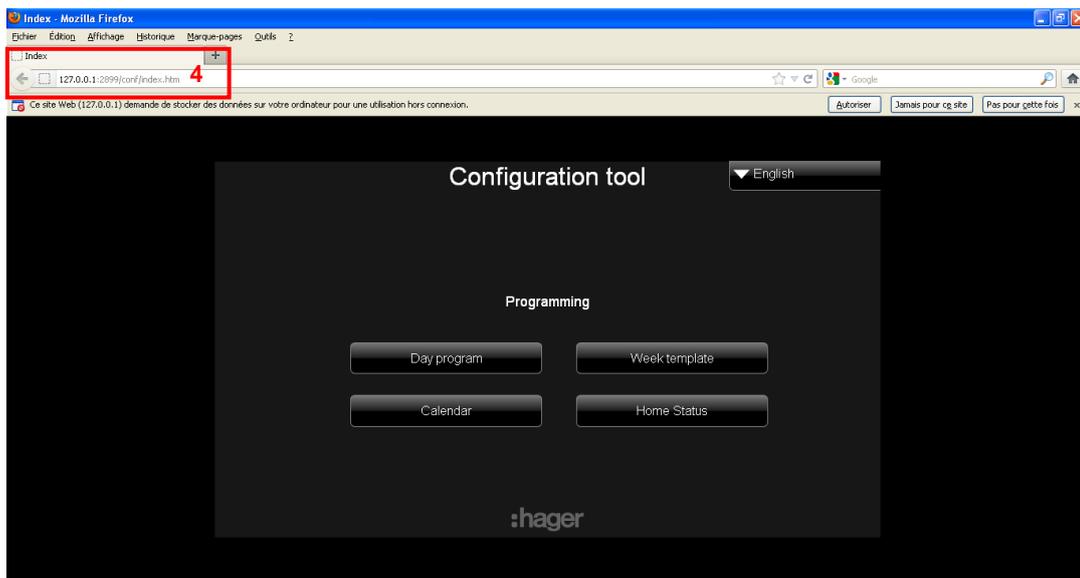- Type http://'*nomduserveur'*:2899/conf/index.htm in the browser address bar (4).

The server name generally starts with TJA4XX. You can also enter the IP address of the server:

Example of a local server (TJ701A):
http://localhost:2899/conf/index.htm

Example of a modular server (TJA450):
http://TJA4xx-F00001:2899/conf/index.htm
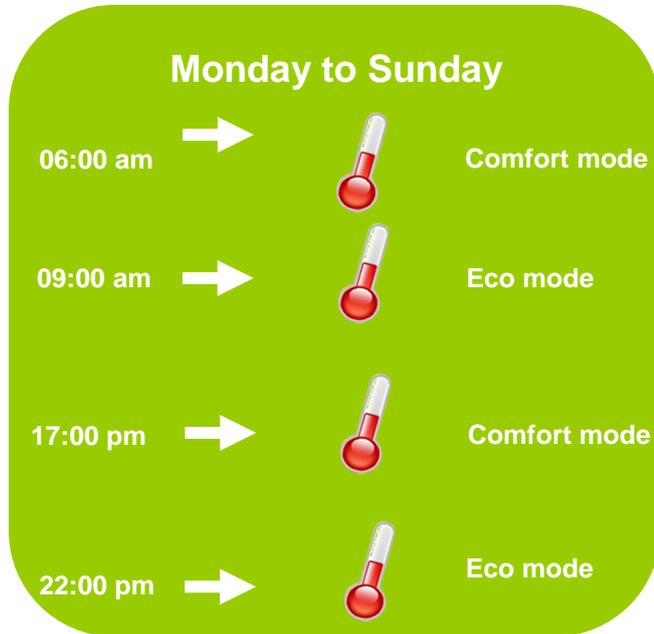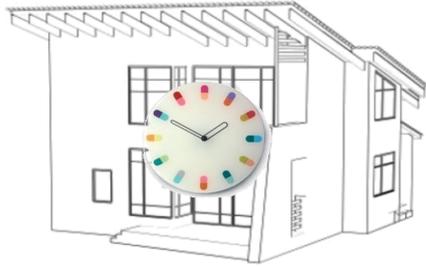

Compatible browsers:

The configuration tool is compatible with current versions of the following browsers:

▪ Internet Explorer
▪ Google Chrome
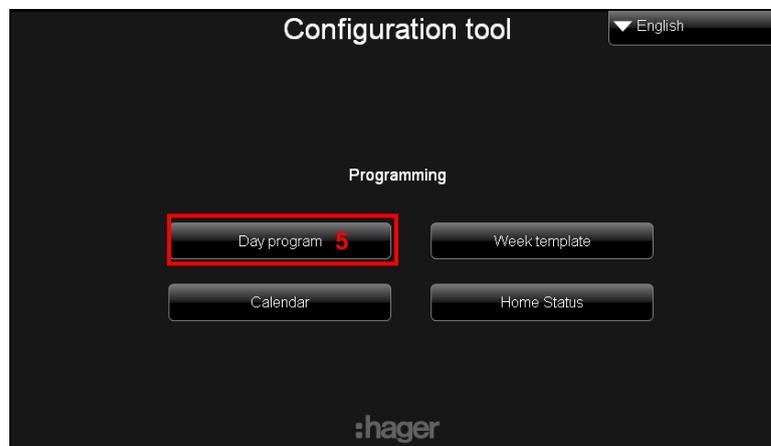▪ Mozzilla Firefox
▪ Safari
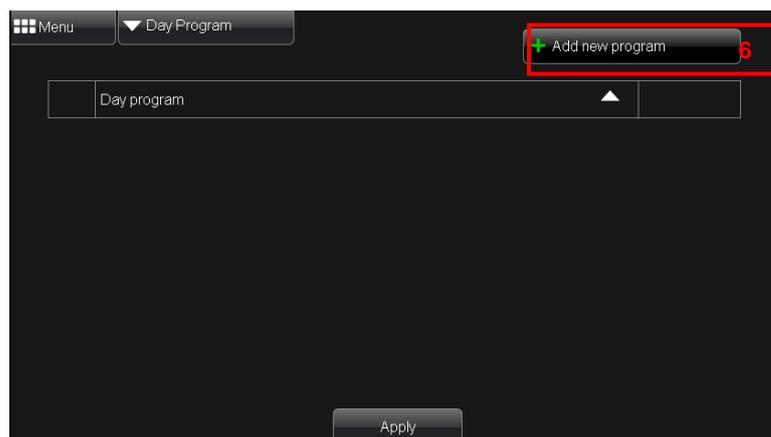
In their current version.

3. DAY PROGRAM

A day program is a program that runs cyclically over a period of 24 hours.

To create the program above, run the configuration tool and click on the icon (5) to access the day programs.
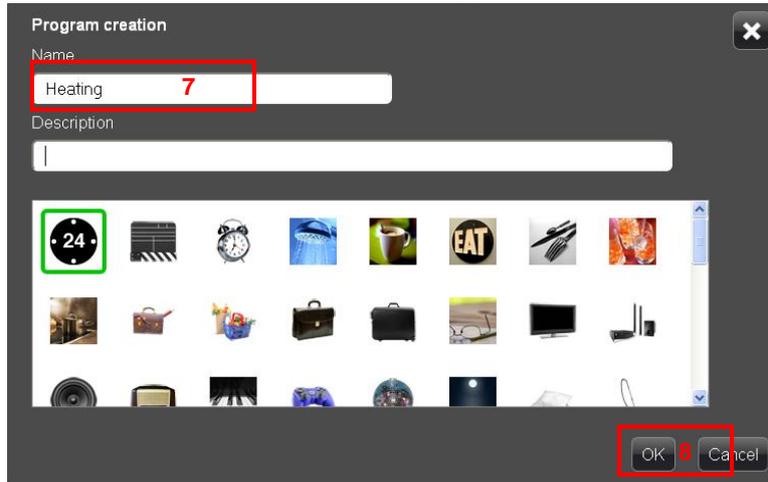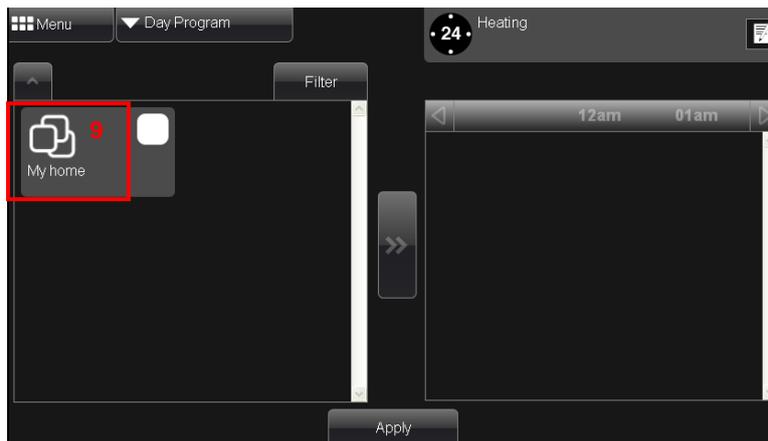

- Click on **Add new program** (6),

- Enter the name of the program, namely Heating in this example (7),

You can also enter a description and choose an image to identify your program.
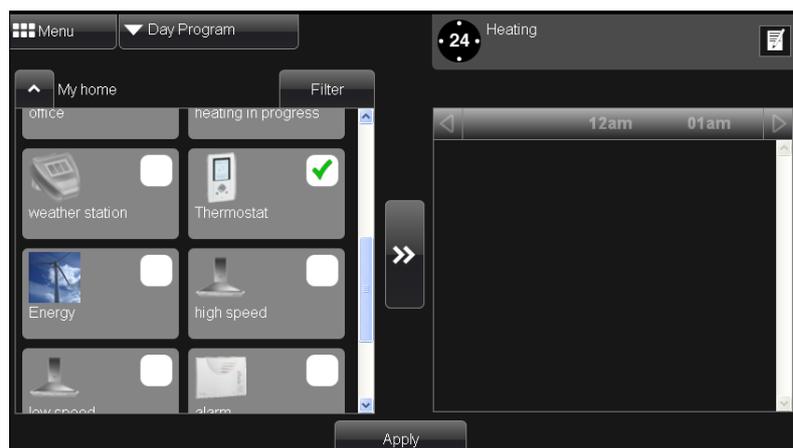
- Click on **OK** to confirm (8),

- Scroll through your groups and devices in the left part of the screen.
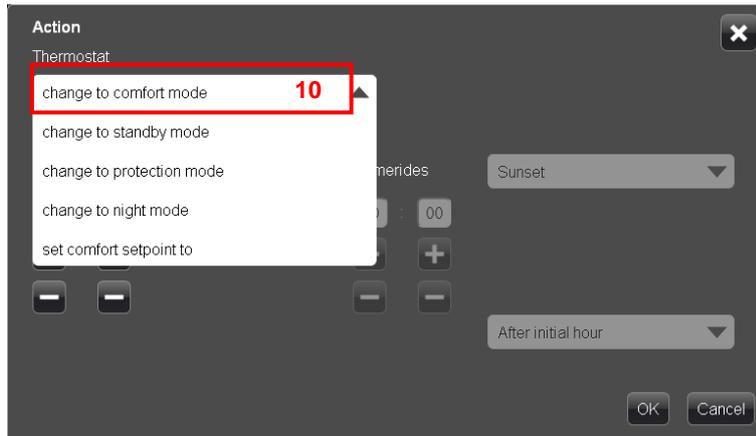

- Find the group containing your thermostat and select it. A green tick will appear,

- Move the selected device to the current program using the icon. An « **Action »** screen will appear.
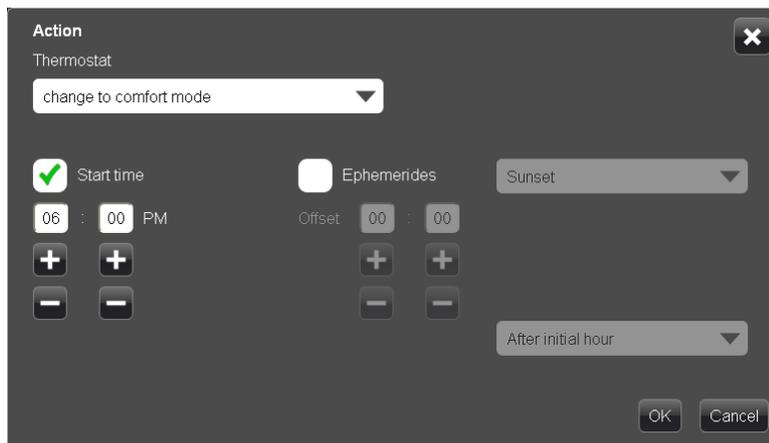
This screen is used to define the action associated with the device as well as the trigger time.

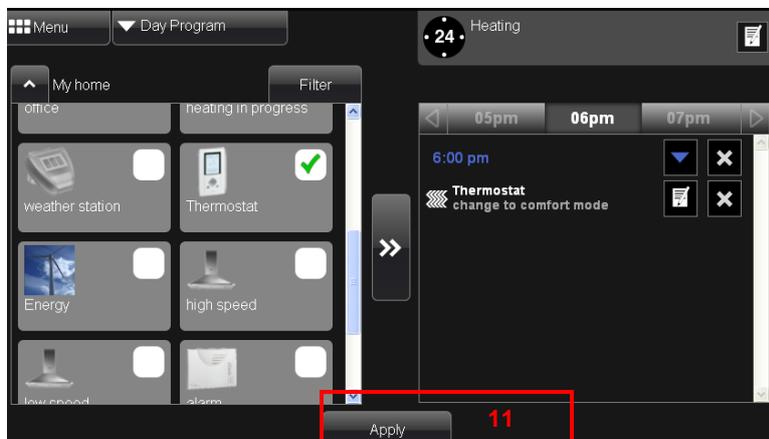- Select **Change to comfort mode** (10) from the drop-down menu.

- Press to adjust the hours and minutes until 6:00 am is displayed,
- Click on to confirm.

The thermostat is displayed in the right-hand column when it is filled in. You can change the action or trigger time by clicking on the icon.
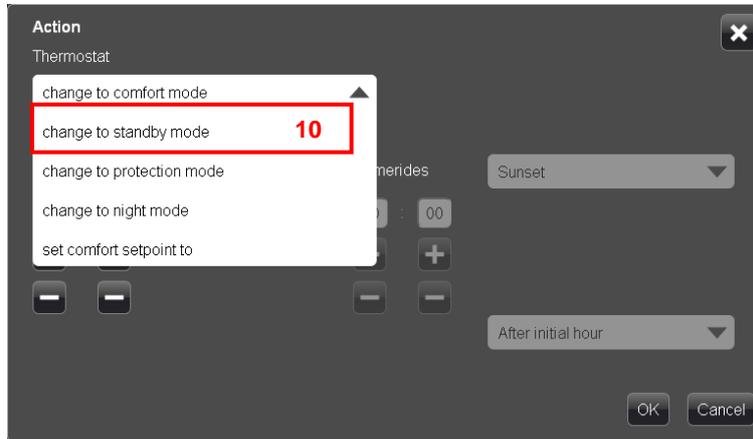
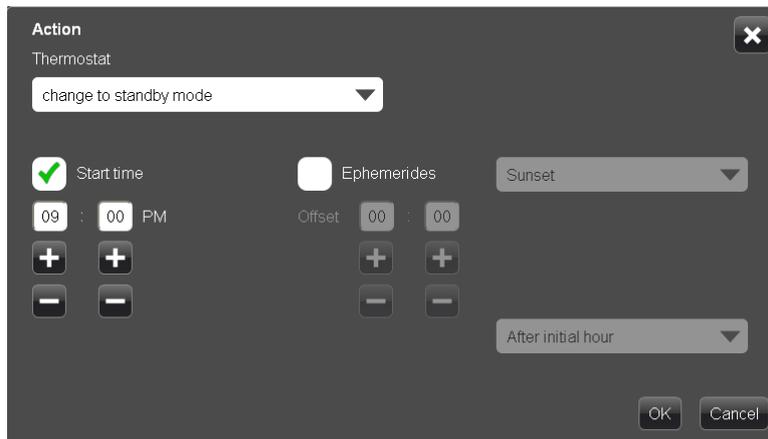- Click on **Apply** (11) to save the data.

Now add the other 3 actions defined in this program.

- Click on ⟫ again (the thermostat device will still be selected). From the Action screen which appears,

- Select **Change to standby mode** (12) from the drop-down menu.
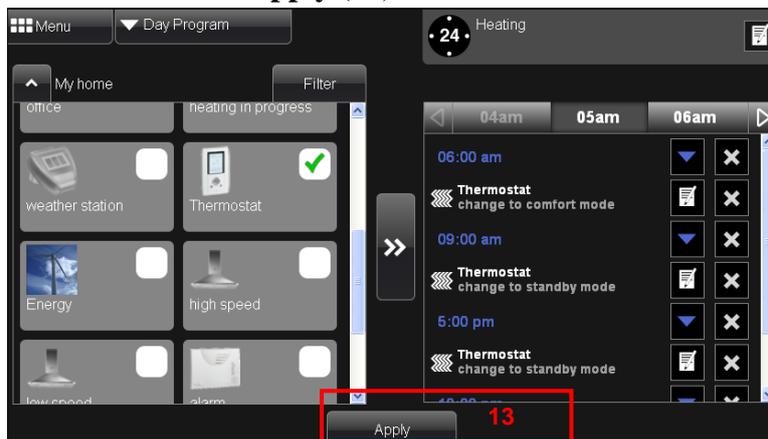

- Press ➕ to adjust the hours and minutes until 9:00 am is displayed,
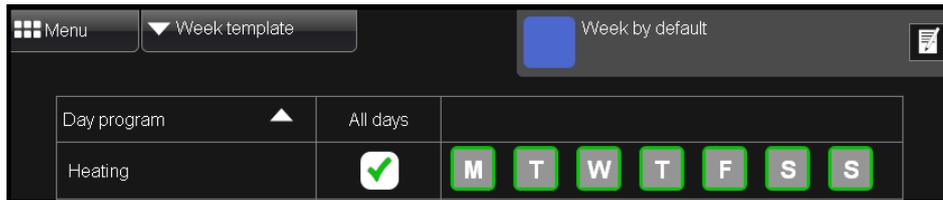
- Click on OK to confirm.

Repeat these operations for the 5:00 pm and 10:00 pm steps.

- Click on **Apply** (13) to save the data.

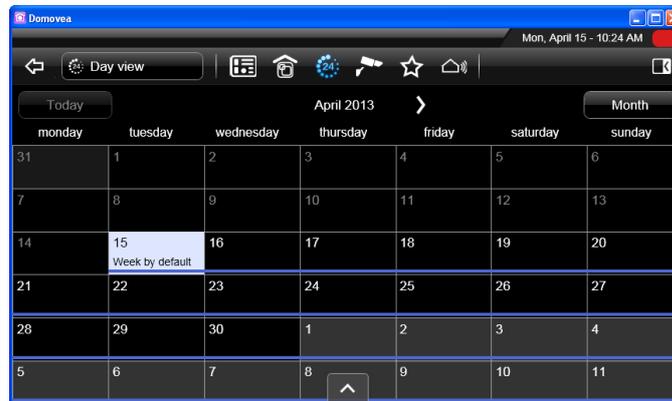The **Heating** program has now been created and is operational.

In the week template, select **Week by default**, click on **M, T, W, T, F, S, S** to make this program run every day.
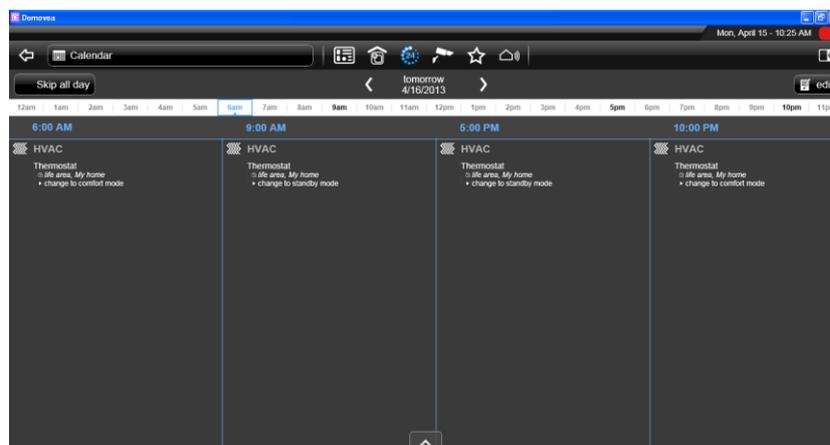

In the client interface, click on the [24] icon to access the program function.

In the calendar, click on a day to view the day program.

This view shows a summary of the automatic functions for the day.

4. WEEK TEMPLATE

The **week template** library is used to differentiate the operation of the installation according to the day of the week.
This example shows how to differentiate the automatic operation of the shutters on weekdays as opposed to week-end days (they do not open at the week-end).
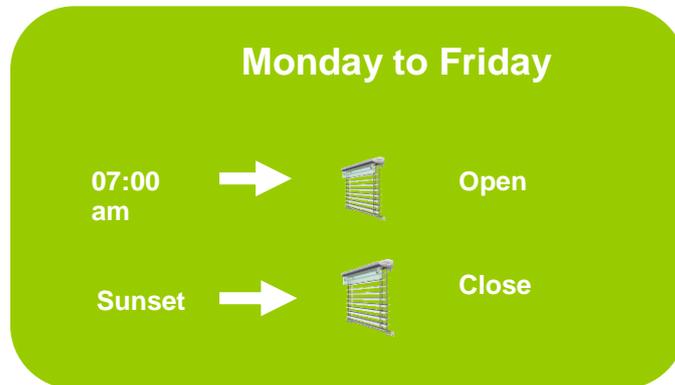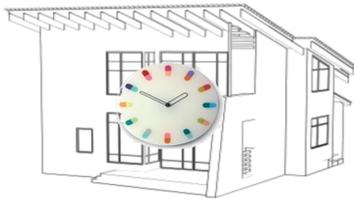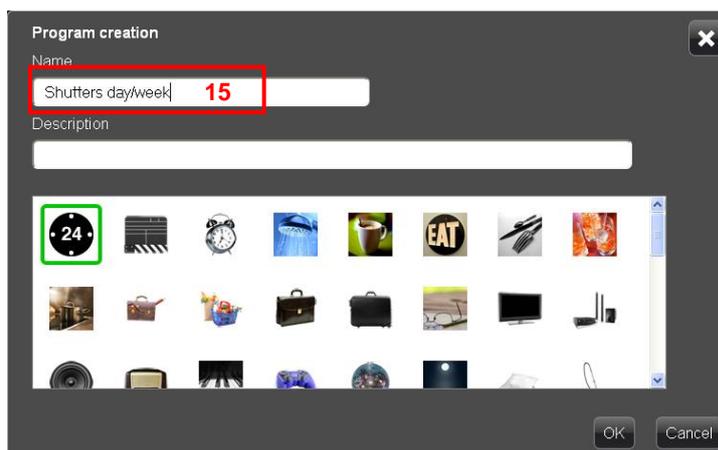

- Click on **Add new program** (14),
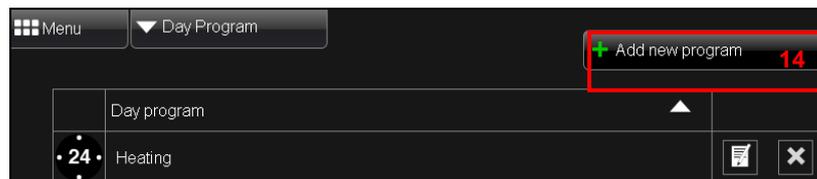
- Enter the name of the program, namely **Shutters day/week** in this example (15),

You can also enter a description and choose an image to identify your program.
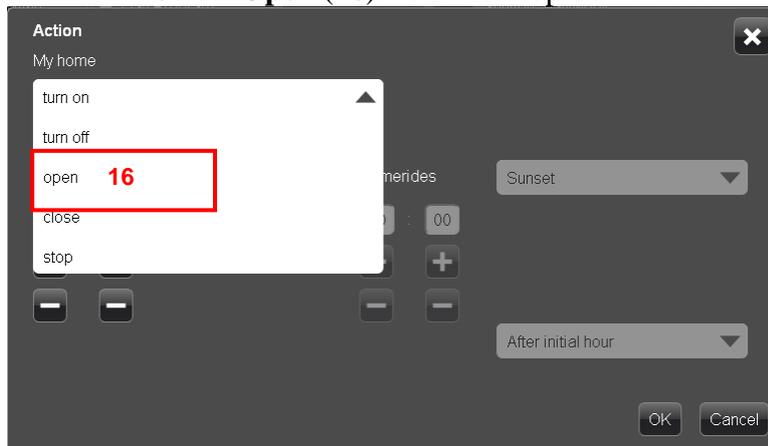
- Click on OK to confirm,

- Select **My home**. A green tick will appear. By selecting a group, all the devices belonging to the group can be controlled, which in this case is all the house's shutters,

- Move the selected group to the current program using the icon.
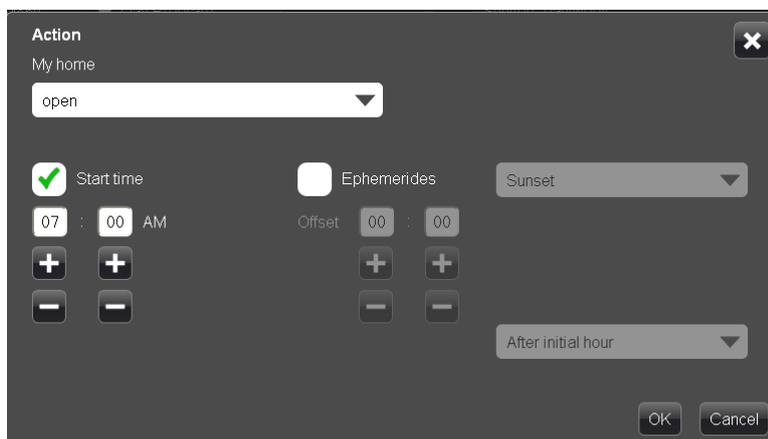An **Action** screen is displayed.
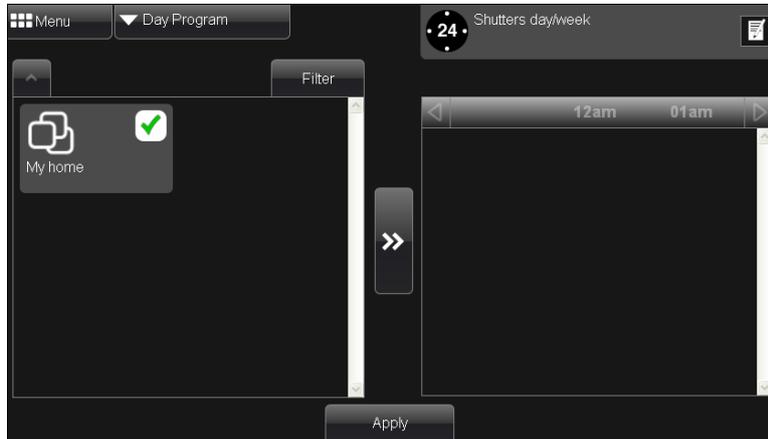
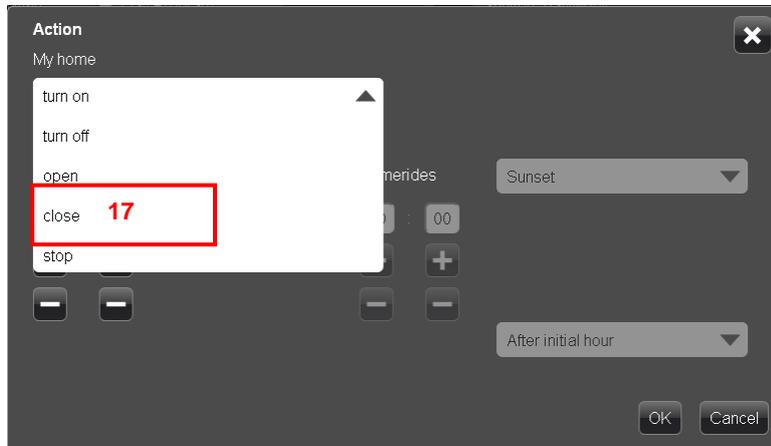- Select **Open** (16) from the drop-down menu.

- Press to adjust the hours and minutes until 7:00 am is displayed,
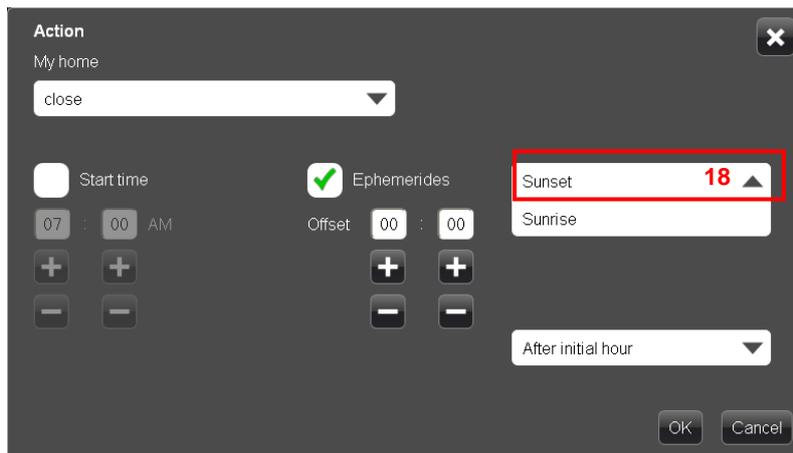
- Click on to confirm.

- Click on ![icon]. An **Action** screen is displayed,

- Select **Close** (17) from the drop-down menu.

Action
My home

turn on	▲
turn off	
open	
close **17**	
stop	

Sunset

After initial hour

OK   Cancel

- Select **Ephemerides**. A green tick ![tick] will appear,

- Select **Sunset** (18) from the drop-down menu,

- Click on ![OK] to confirm.

Action
My home

close

Start time   Ephemerides   Sunset   **18**
07 : 00 AM   Offset 00 : 00   Sunrise

After initial hour

OK   Cancel

- Click on **Apply** (19) to save the data.

Menu   Day Program   24   Shutters day/week

Filter

My home ✔

12am   01am

Sunset
My home close
07:00 am
My home open

Apply   **19**

Now that the **Shutters day/week** program has been created, we can move on to creating the **Shutters week-end** program.

- Click on **Day program**.

- Click on « **Add new program** » (21),

- Enter the name of the program, namely **Shutters week-end** in this example (22),

- Click on [OK] to confirm.
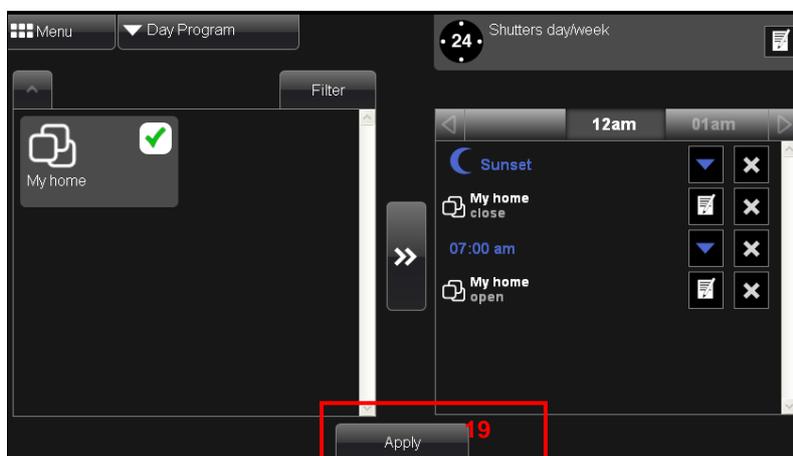
- Select **My home**. A green tick ☑ will appear,

- Click on ⏩. An **Action** screen is displayed.

- Select **Close** (23) from the drop-down menu.

- Select **Ephemerides**. A green tick ☑ will appear,

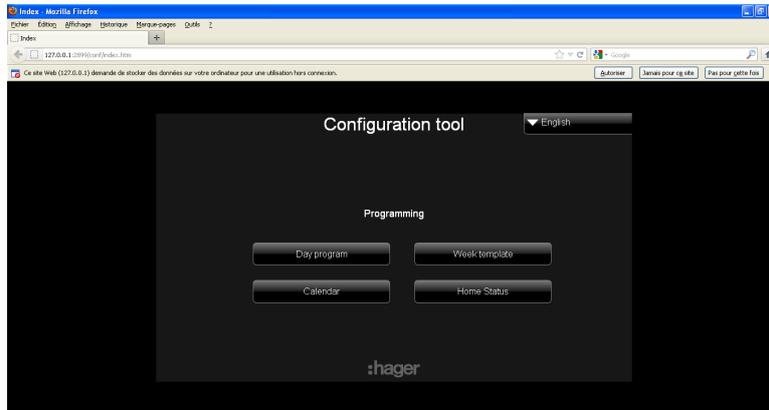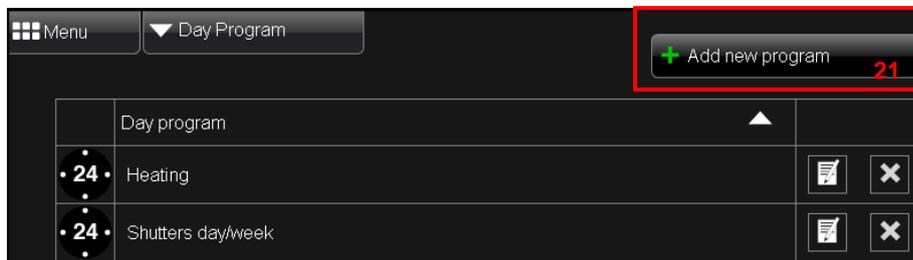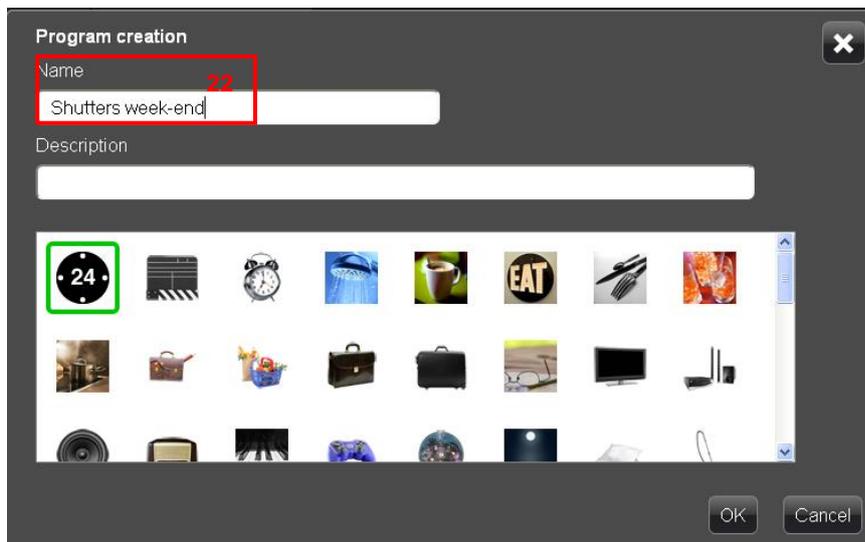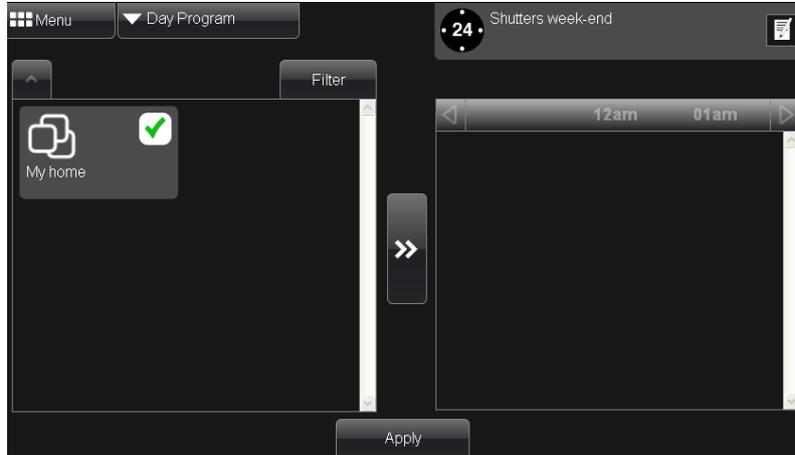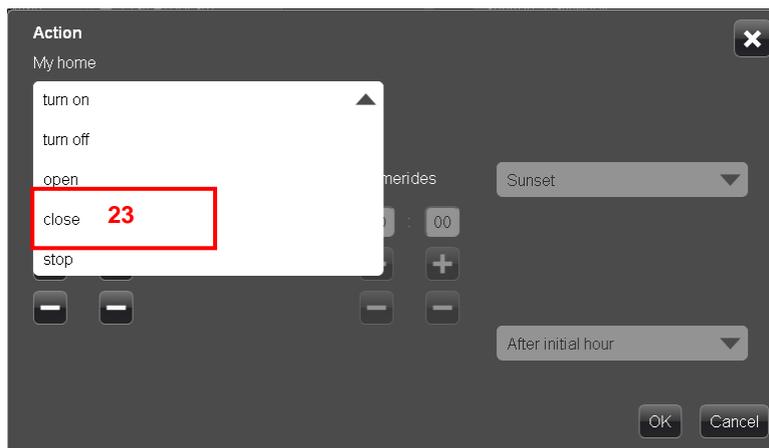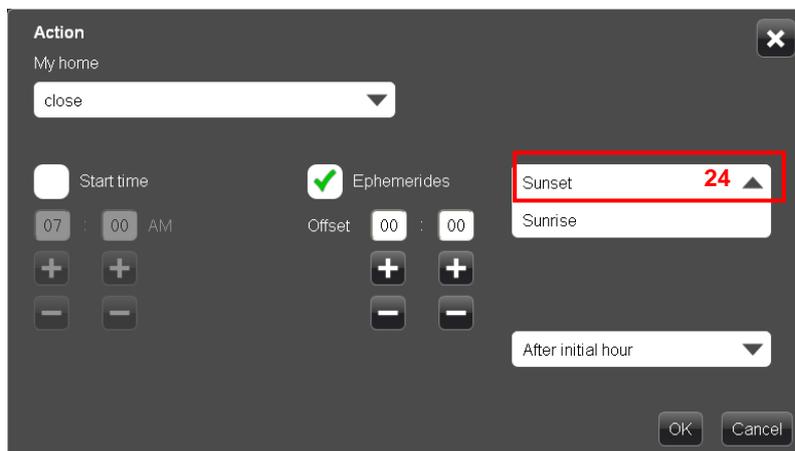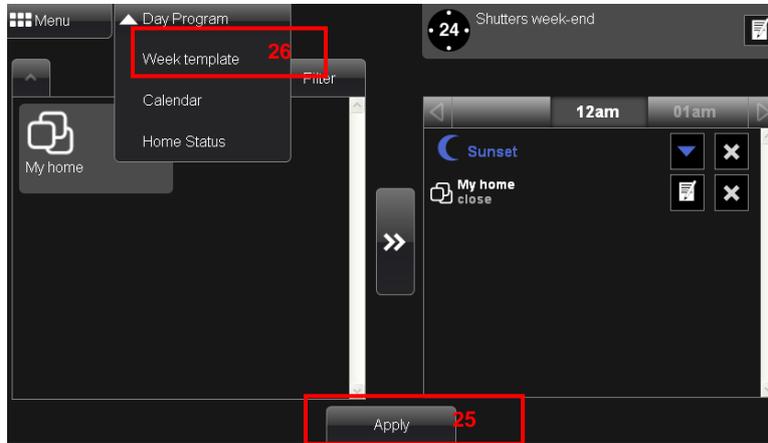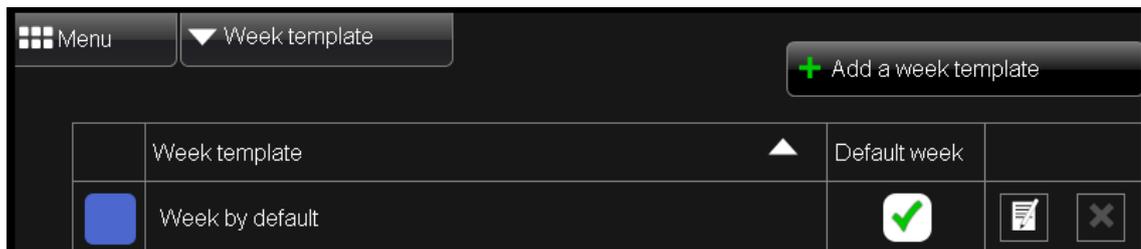- Select **Sunset** (24) from the drop-down menu,

- Click on OK to confirm.

- Click on **Apply** (25) to save the data.

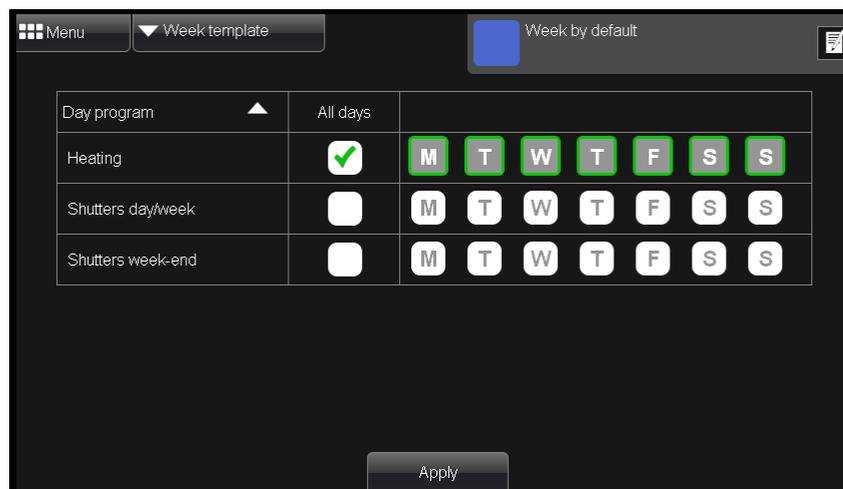Now that the 2 programs have been created, all that remains is to choose which days to attribute it to.

- Select **Week template** (26) from the drop-down menu.
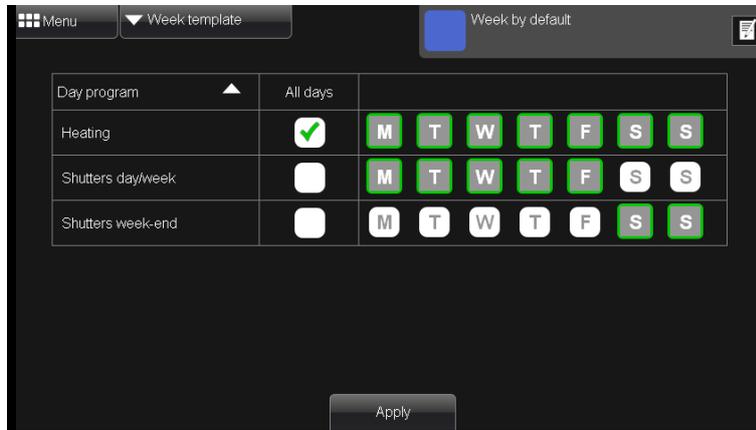

- Click on ▤ to modify the programs.

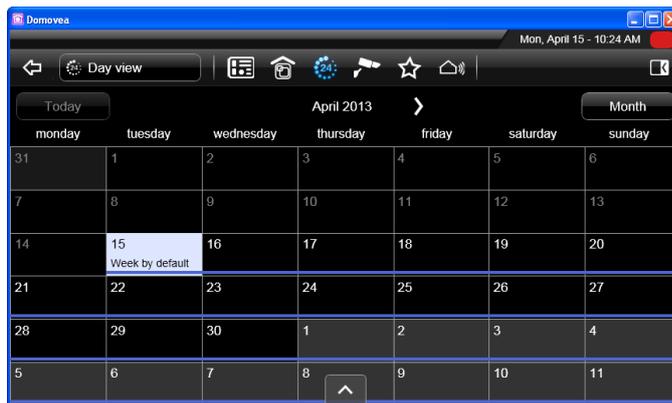The **Week template** contains the programs created.

Against the **Shutters day/week** program, click on **M, T, W, T, F** for the program to run on all weekdays.

Against the **Shutters week-end** program, click on **S, S** for the program to only run at week-ends.

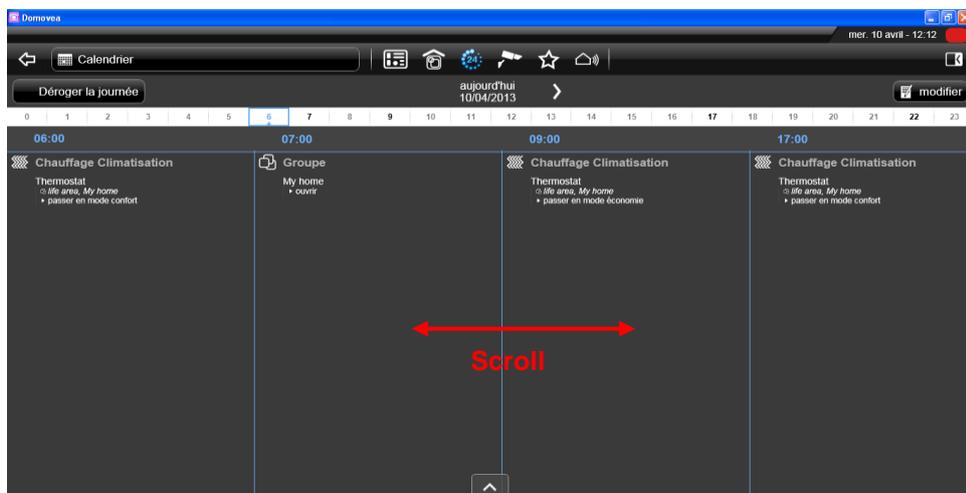- Click on **Apply** to save the data.

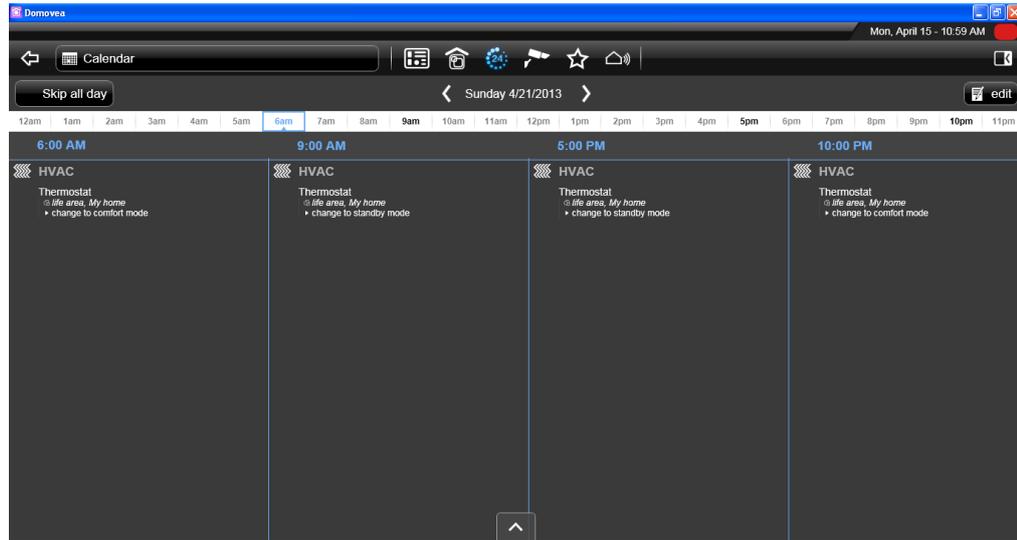In the calendar, click on a weekday to view the day program.

- Scroll through the day horizontally to view the full day's programs.

You will notice a shutter action on weekdays.

As you can see, unlike weekdays, there are no shutter actions programmed for the week-end.

5.   CALENDAR

The **Calendar** library is used to attribute a week template to a range of days so that you can change the operation of your program according to the days of the year.
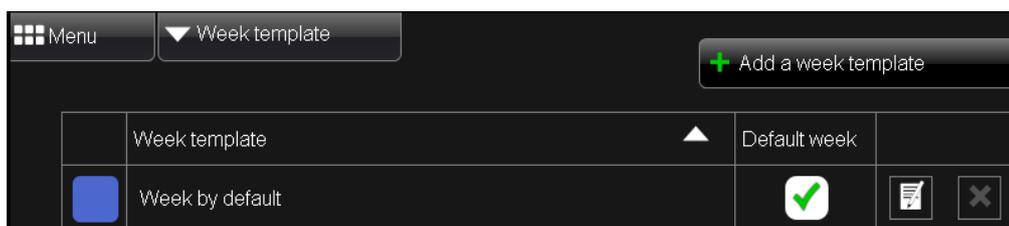
This example shows how to create a new week template called holidays and how to attribute it to a range of days. The holidays week template will prevent all actions from occurring.

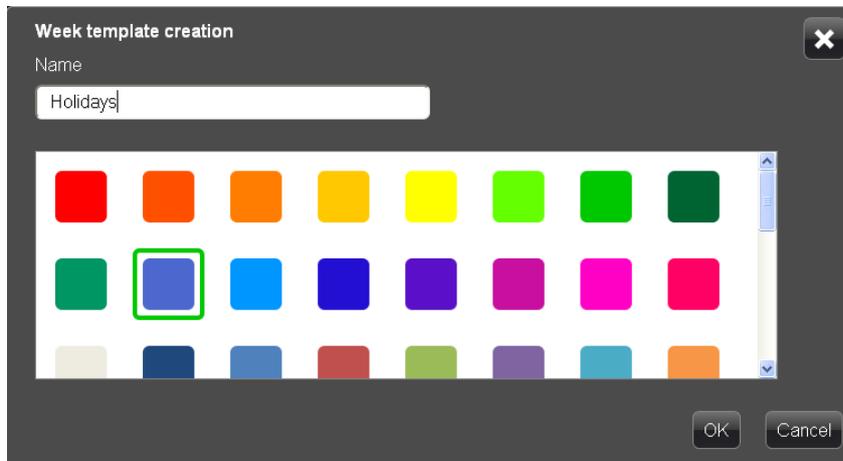- Click on **Week template** (27),
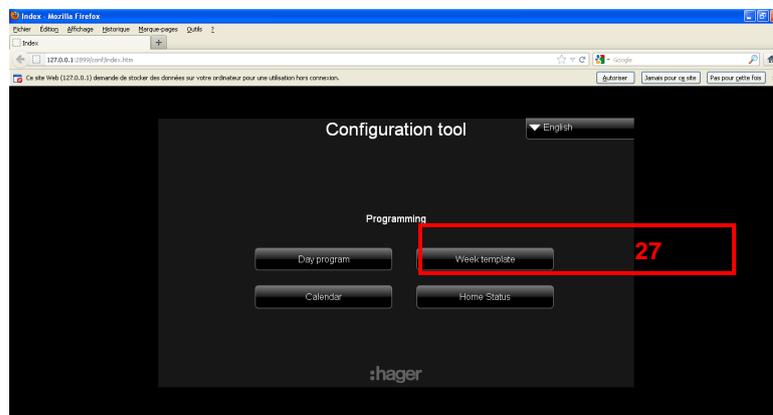
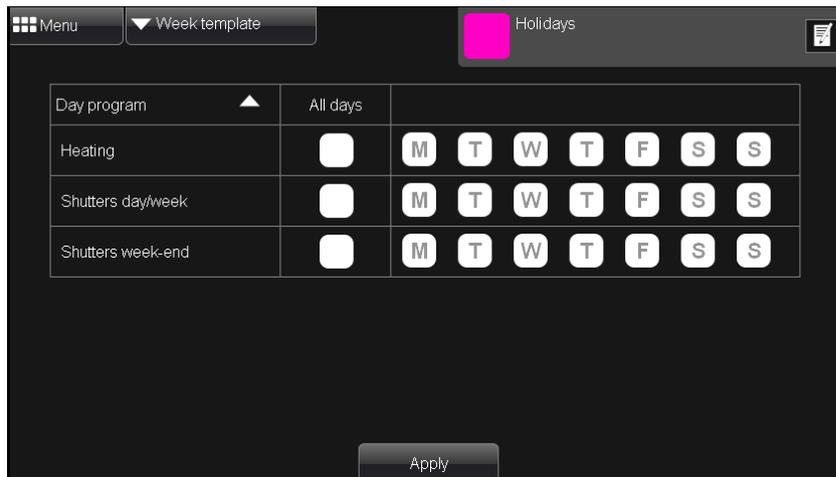- Click on **Add a week template**,

- Enter the name **Holidays** for this example.

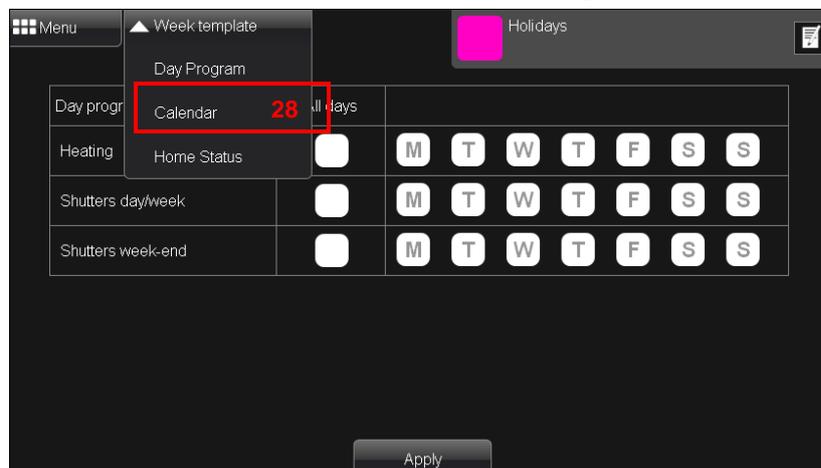You can also choose a colour to identify your program.

- Click on [OK] to confirm.

- Do not select any days for any program (as we want all programs to be inhibited during a **Holidays** week template),

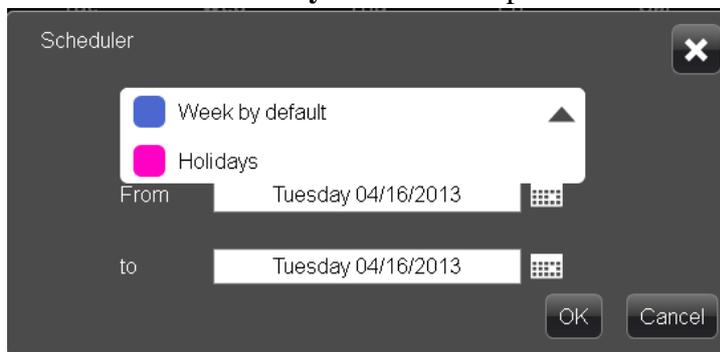- Click on **Apply** to save the data.
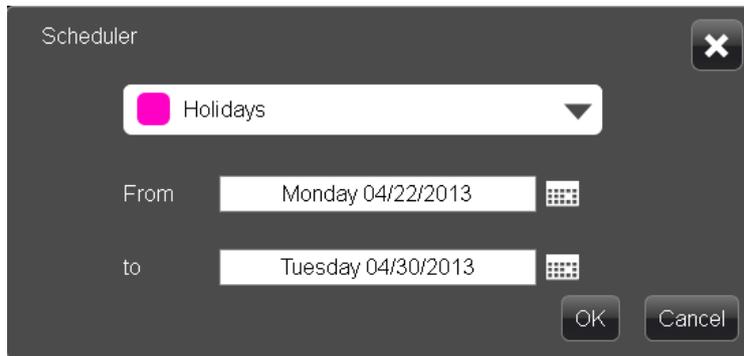

- Select **Calendar** (28) from the drop-down menu.

- Click on the holiday start day. A screen is displayed,

- Select **Holidays** from the drop-down menu.

- Select the holiday range.

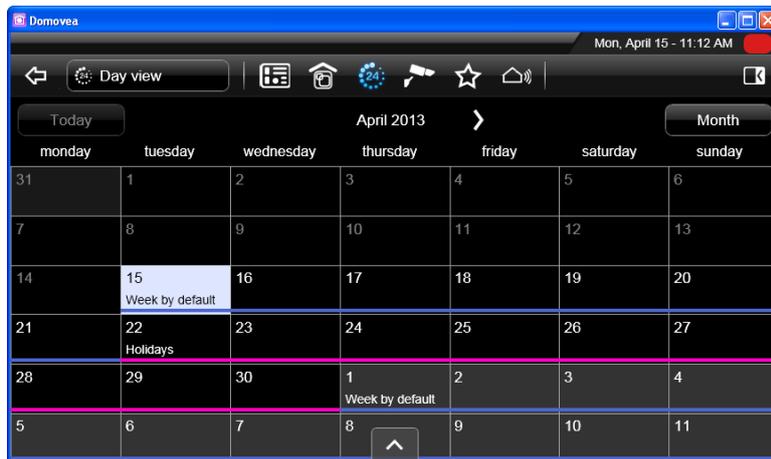- Click on [OK] to confirm.

- Click on **Apply** to save the data.

In the client interface, click on the ⟨24⟩ icon to access the program function.
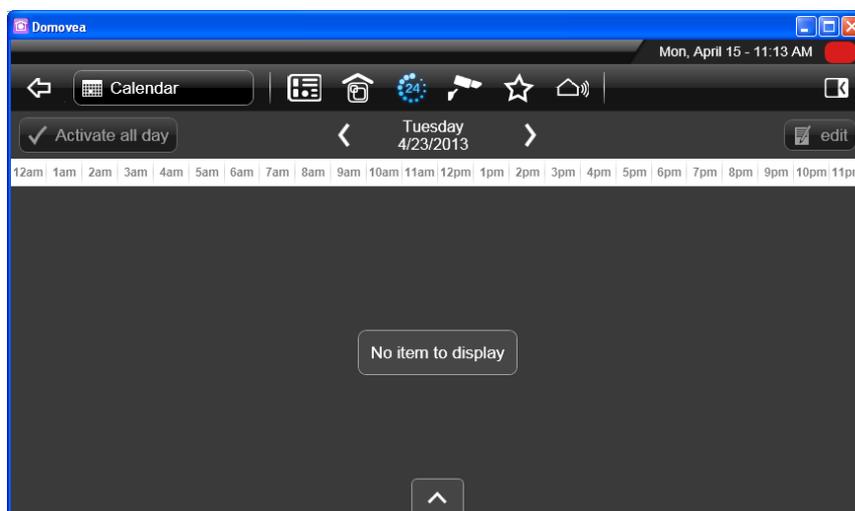

You will see on the calendar that a different week template is applied for the period in question.
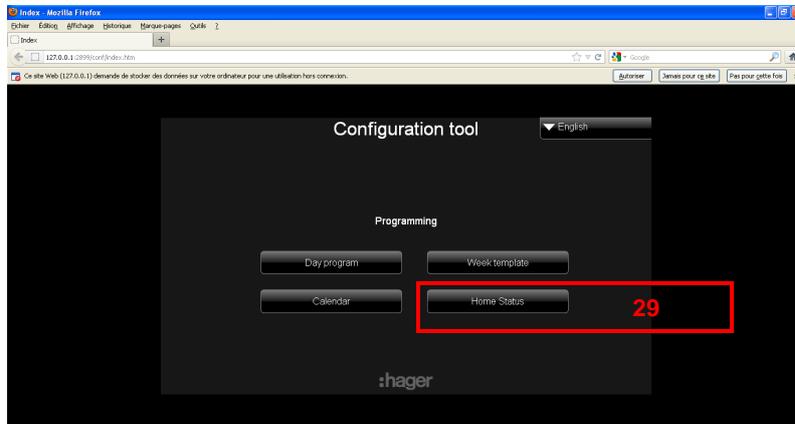
- Click on a day to view that day's program.

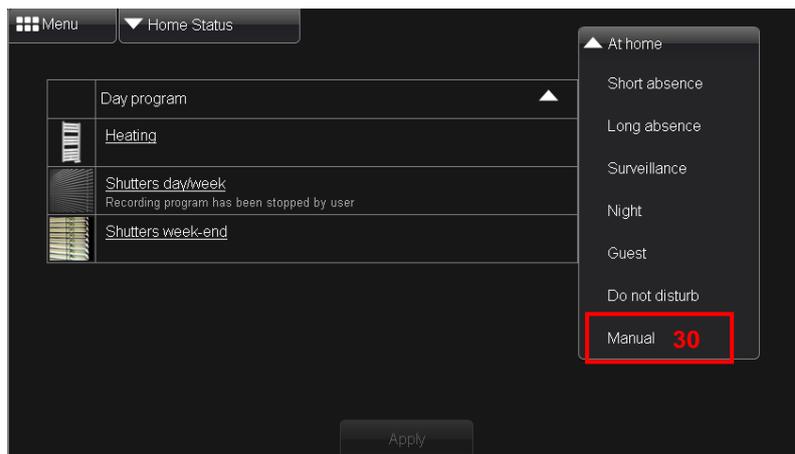You will see that no actions will be carried out during the holidays.
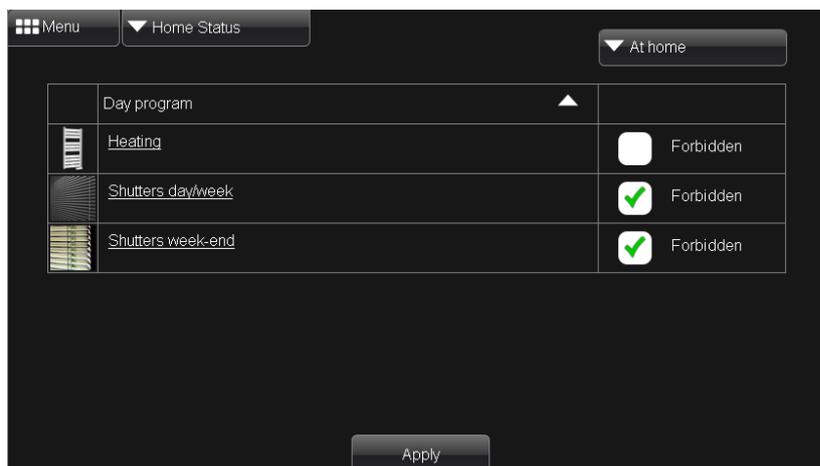
6. HOME STATUS

- Click on **Home status** (29),
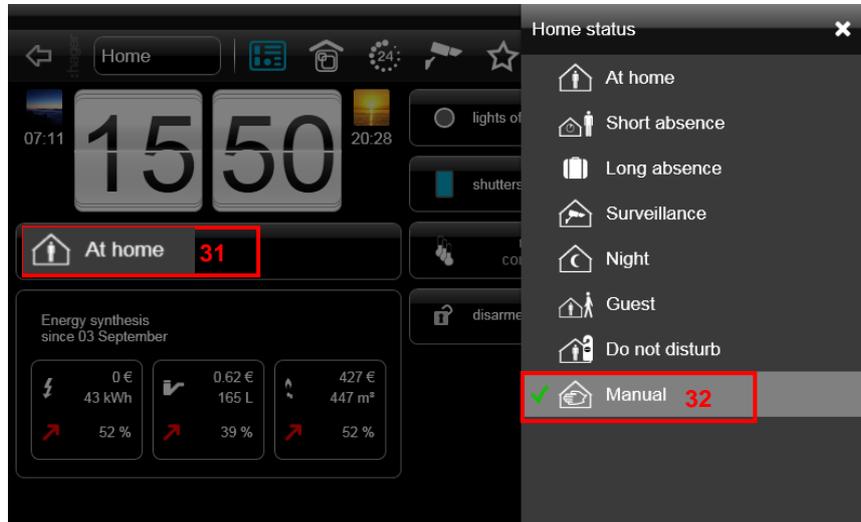

- Select **Manual** (30) from the drop-down menu.

- Do not tick the "**Forbidden**" box for the Heating program,

- Tick the "**Forbidden**" box for the shutters day/week program,

- Tick the "**Forbidden**" box for the shutters week-end program.

- Click on **Apply** to save the data.

Click on **At home** on the dashboard in the client interface, (31). A **Home status** list will appear.
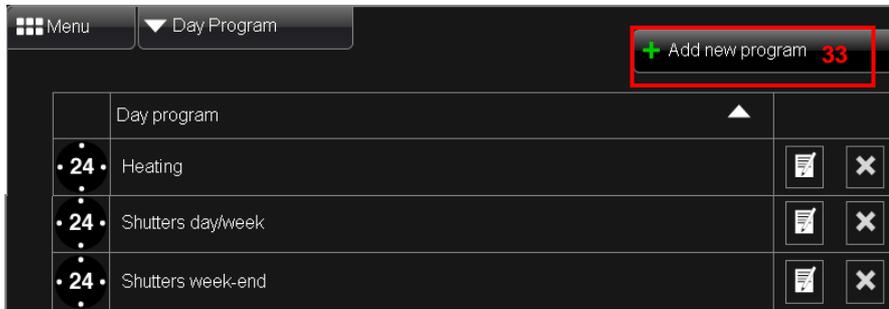
- Select Manual (32).

The **Shutters day/week and Shutters week-end** programs are inhibited.

7. FILTERS AND OVERRIDE

This example allows us to filter the devices we wish to use.
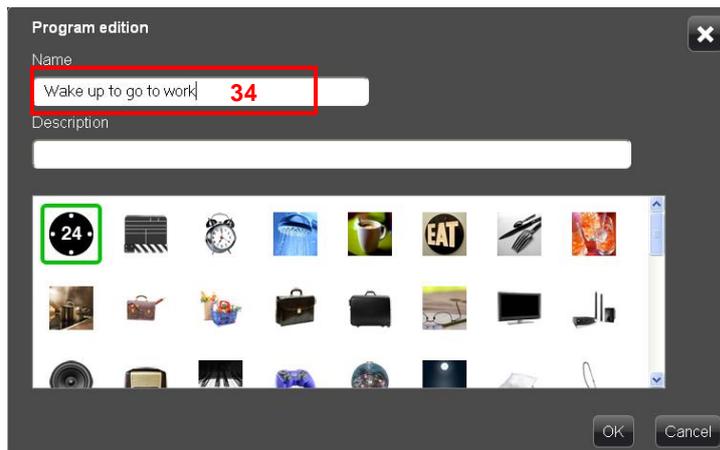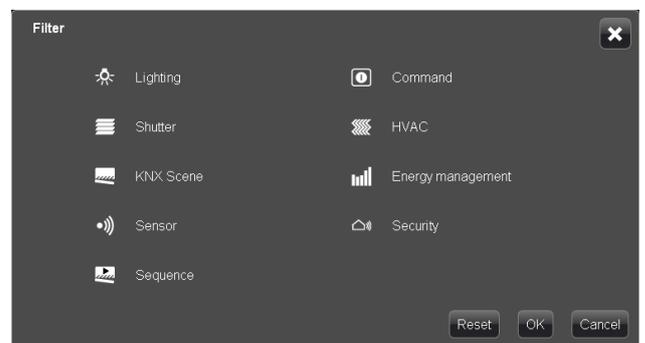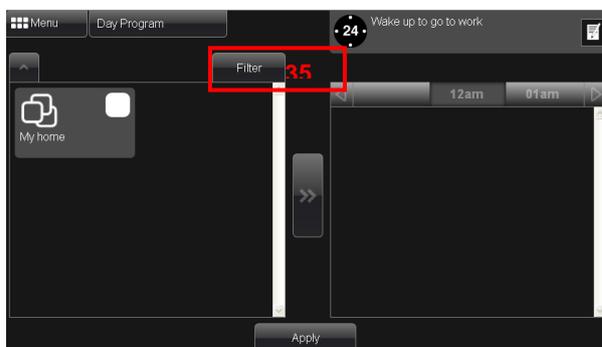
- Click on "**Add new program**" (33),

- Enter the name of the program "**Wake up to go to work"** for this example (34),

You can also insert a description and choose a picture to identify your program.
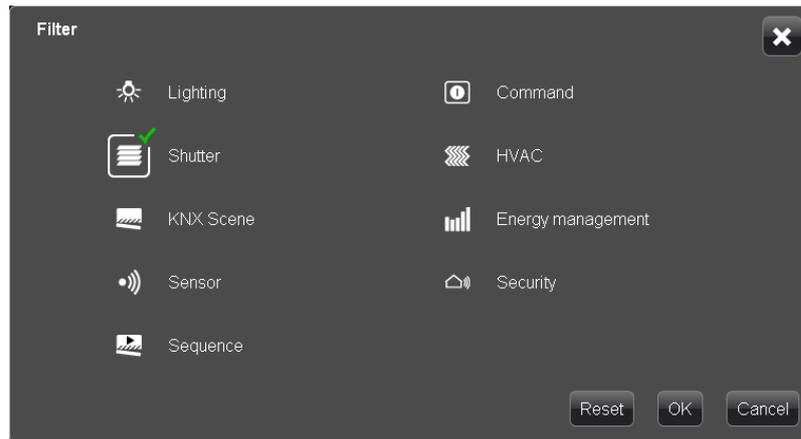
- Click on OK to validate.

- Click on "**Filter**" (35) to select the type of devices you wish to activate.
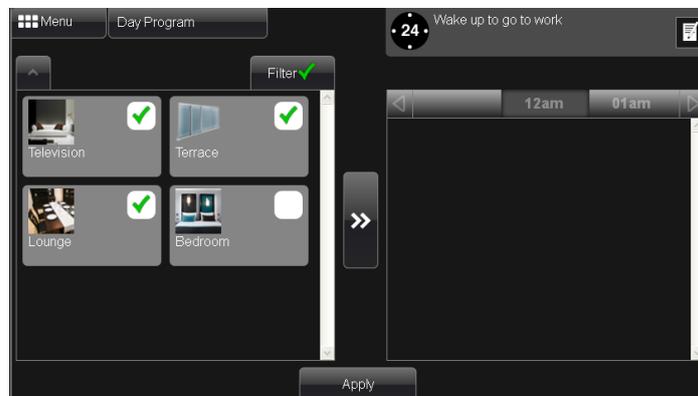
- **Shutter activation**

In this example we want to open all the shutters at 06:55, except the bedroom shutter. The bedroom shutter will open at 07:00. To do this:
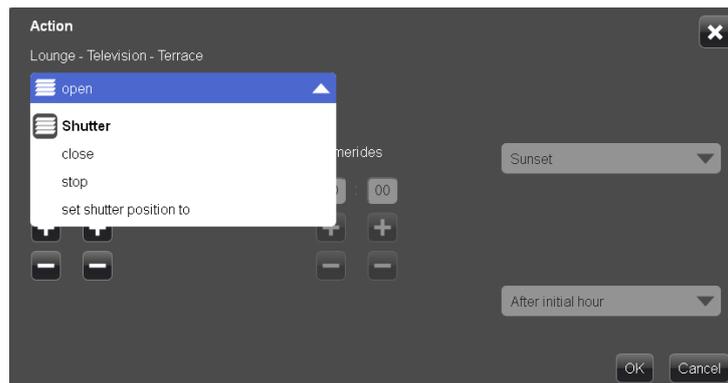
- Click on "**Shutter**", a green tick appears,
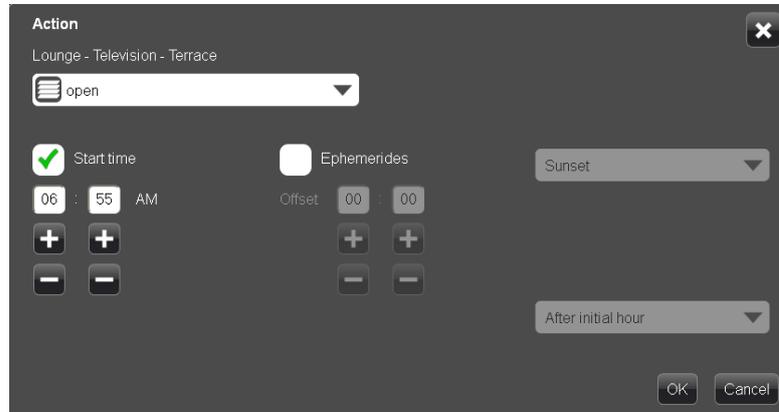
- Click on OK to validate.

- Select "**Terrace - Lounge - Television**", a green tick appears,

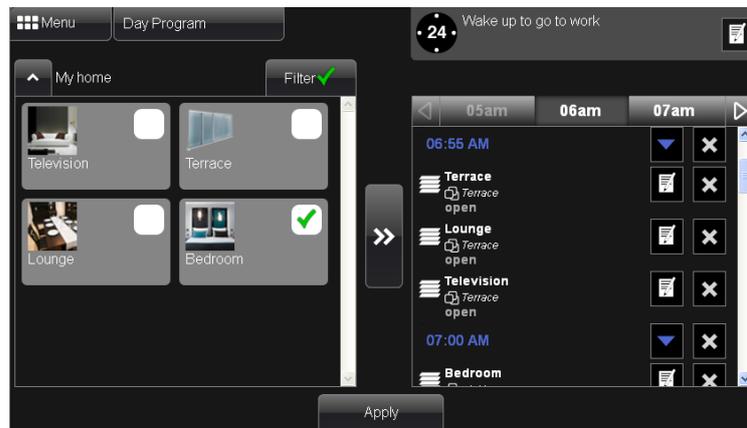- Click on , an "**Action**" window opens.

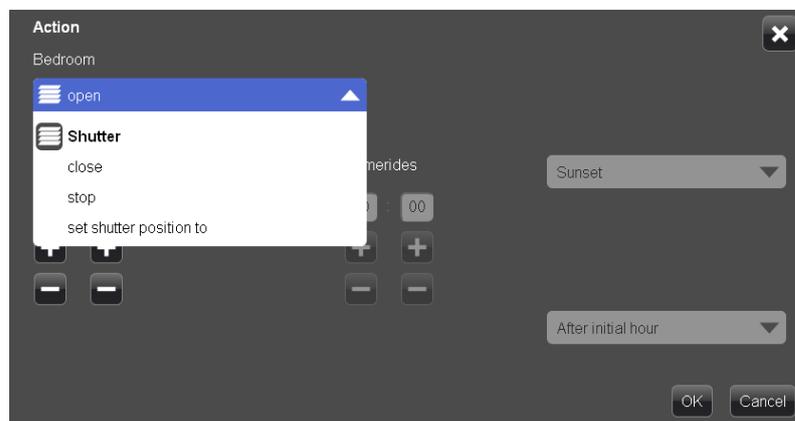- Select "**Open**" in the drop down list.

- Press to scroll through the hours and minutes until 06:55 appears,

- Click on to validate.

- Deselect « **Terrace - Lounge - Television »**.

- Click on "**Bedroom**, a green tick appears,

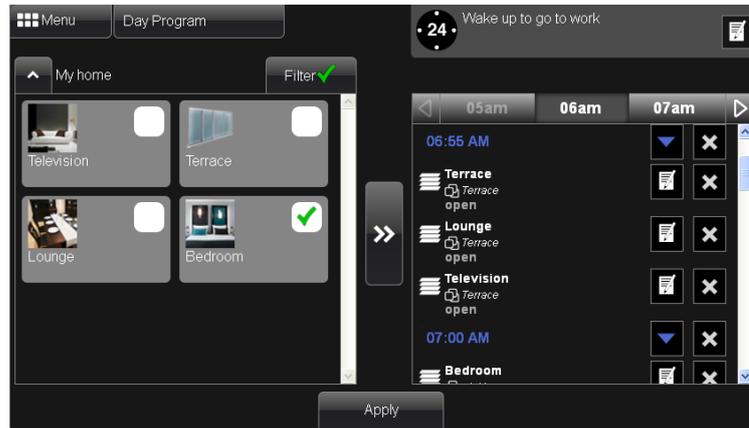- Click on , an "**Action**" window opens.

- Select "**Open**" in the drop down list.

- Press to scroll through the hours and minutes until 07:00 appears,
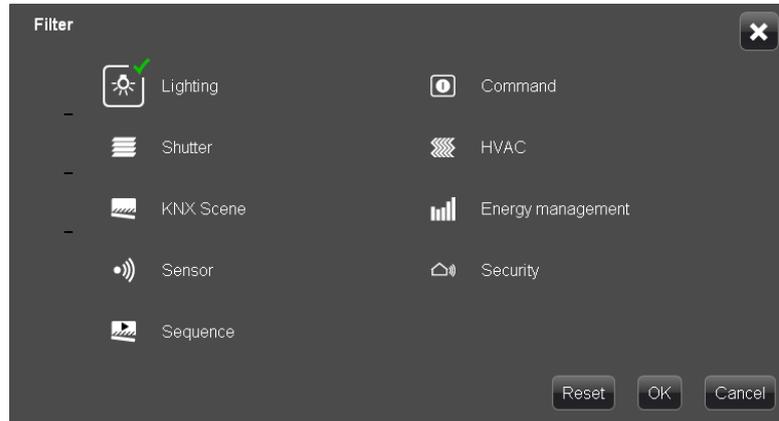
- Click on to validate.

-

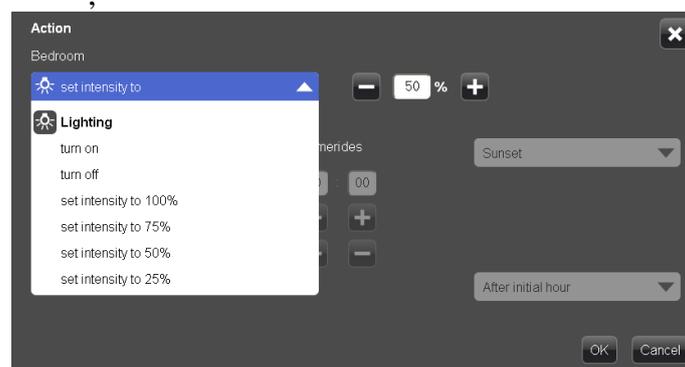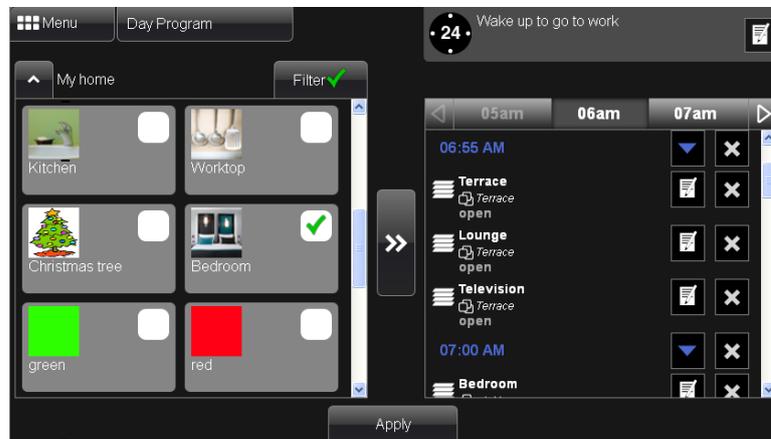- Click on "**Apply**" to save the data.

▪ **Bedroom lighting:**

We want to switch on the bedroom light at 20% at 07:00. To do so, use the filter:

- Click on "**Lighting**", a green tick appears ✅,

- Click on OK to validate.

- Click on "**Bedroom**", a green tick appears ✅,

- Click on », an "**Action**" window opens.

- ,

- Click on "**set intensity to**",

- Press [icon] to scroll through the luminosity percentage until 20% appears,

- Press [icon] to scroll through the hours and minutes until 07:00 appears,
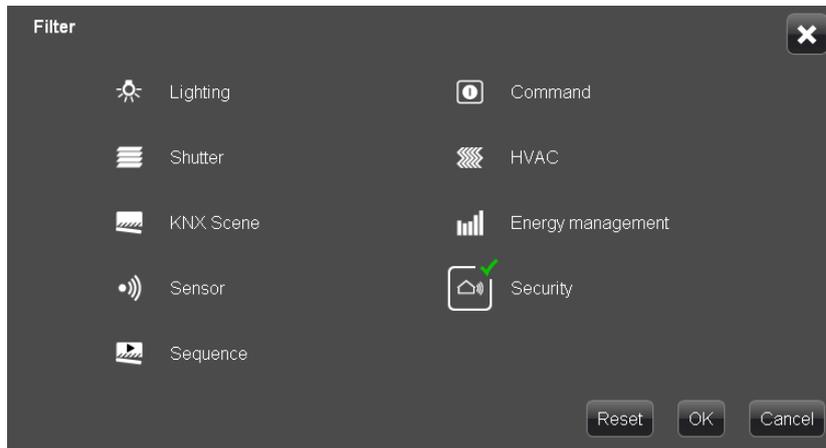
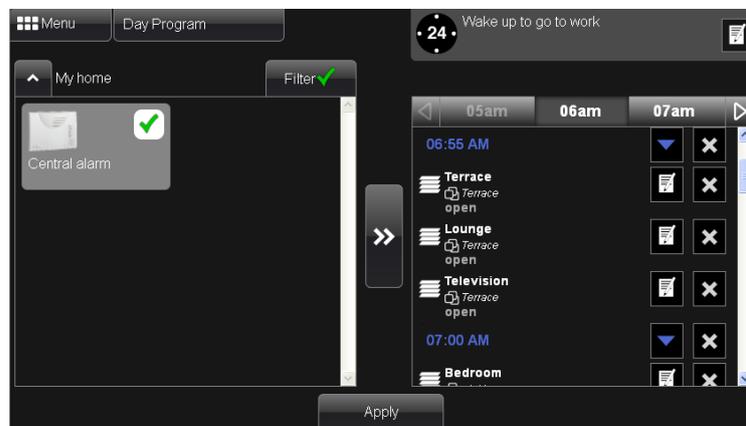- Click on [OK] to validate.

- Click on "Apply" to save the data.

§ **Deactivation of the central alarm:**

We want to deactivate the alarm at 07:00, using the filter. To do so:
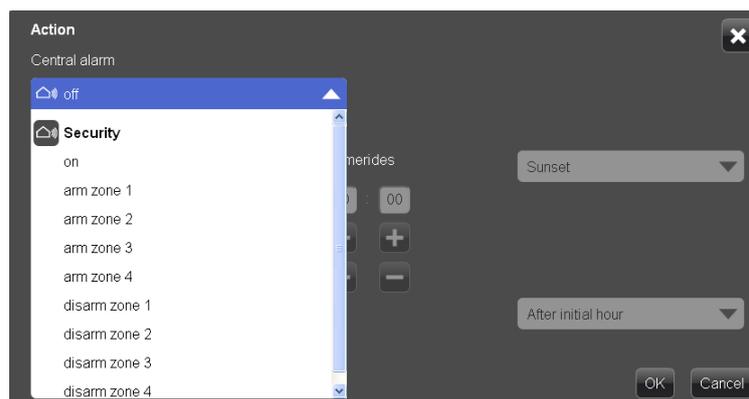
- Click on "**Security**", a green tick appears[✓],

- Click on [OK] to validate.

- Click on "**Central alarm"**, a green tick appears[✓],

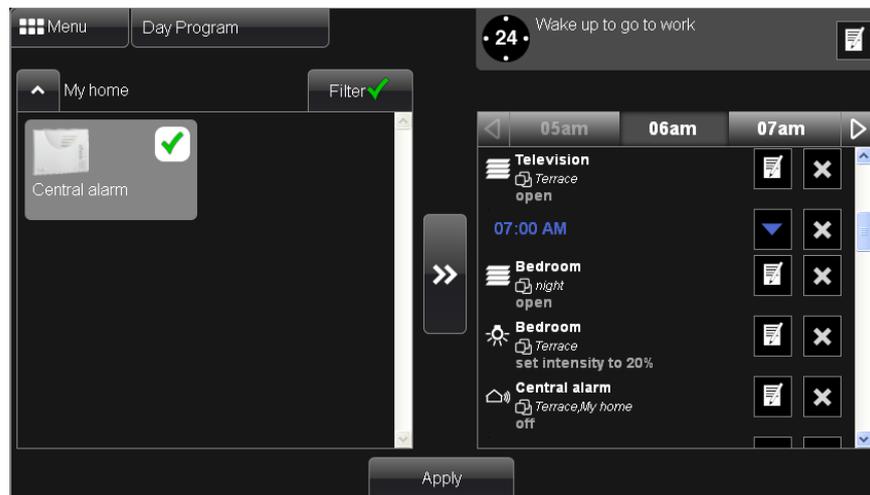- Click on [»], an "**Action**" window opens.

- Select "**off**" in the drop down list.

- Press ⊞ to scroll through the hours and minutes until 07:00 appears,
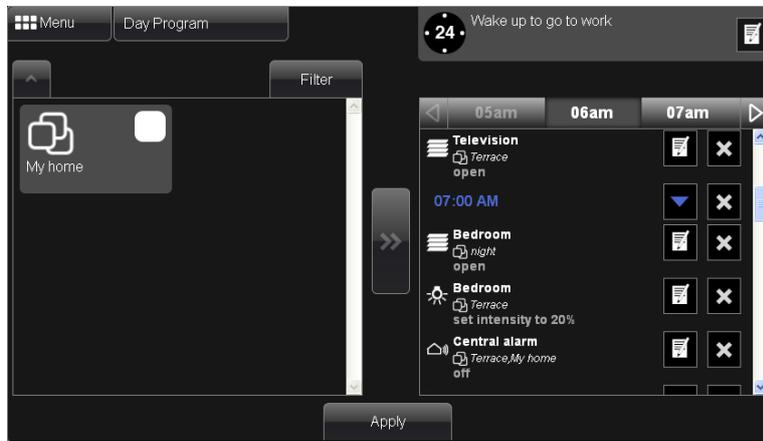
- Click on OK to validate.

- Click on "**Apply"** to save the data.

- **Heating activation:**

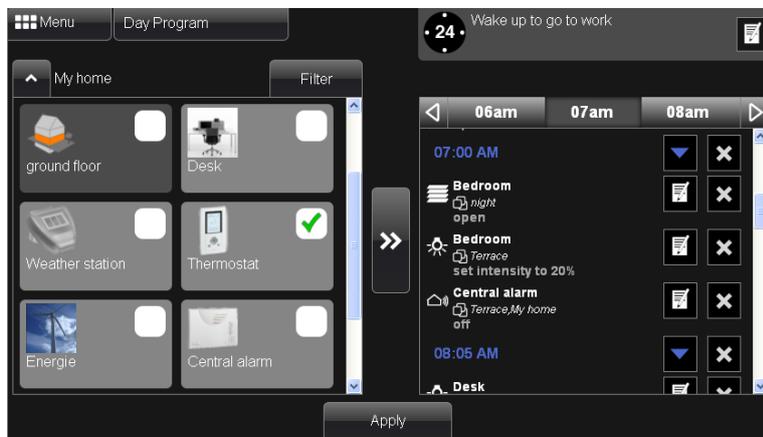We want to switch the heating to Comfort mode at 06:00. To do this:

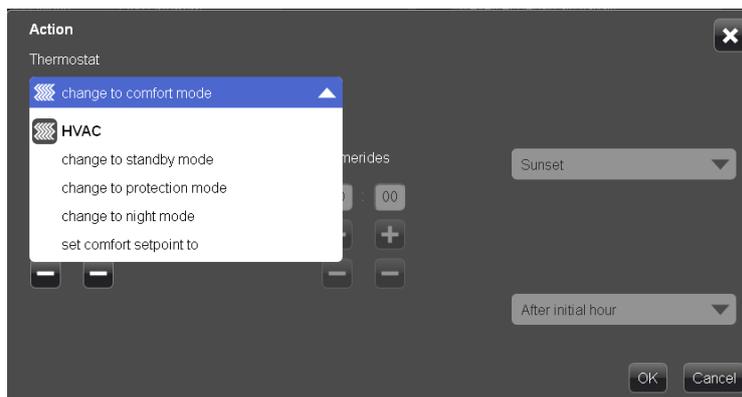- Click on "**My home"** to access the different groups of devices.

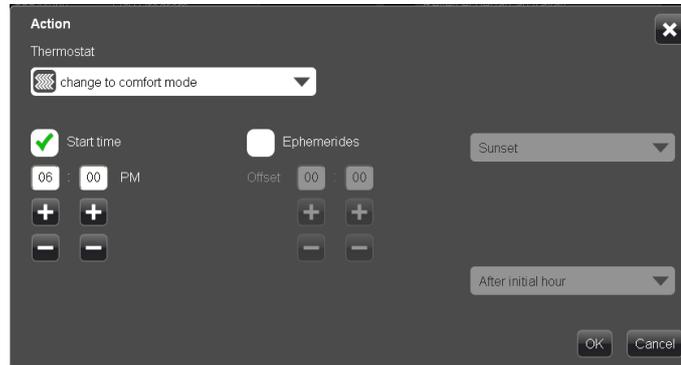- Click on "**Thermostat**", a green tick appears ✅,

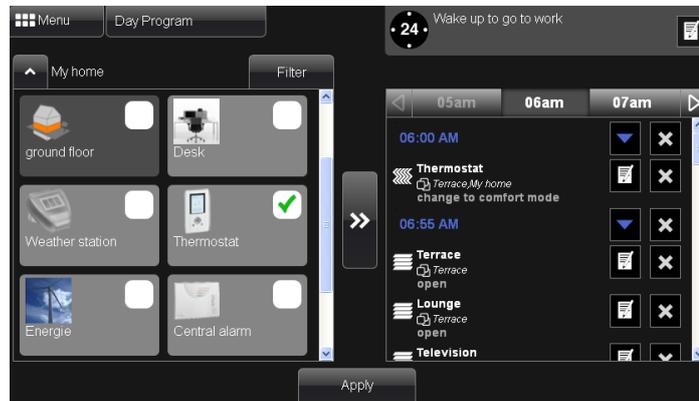- Click on ⟫, an "**Action**" window opens.

- Select "**change to comfort mode**" in the drop down menu.

- Press to scroll through the hours and minutes until 06:00 appears,
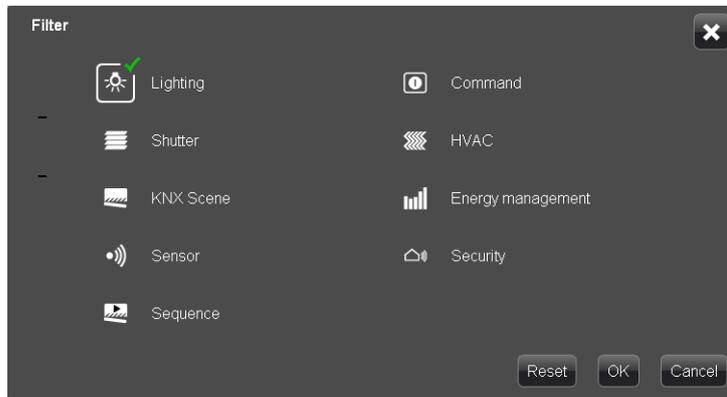
- Click on to validate.

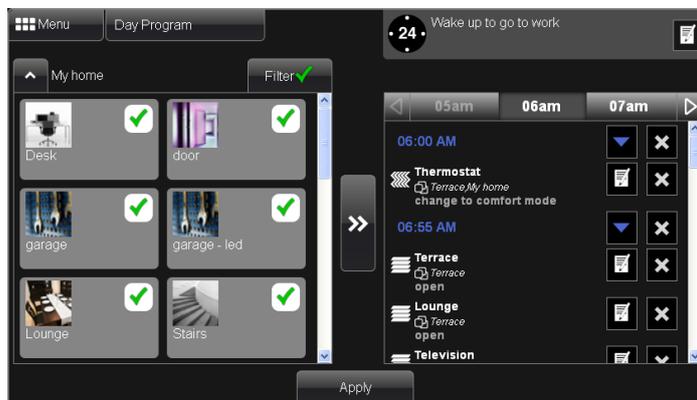- Click on « **Apply** » to save the data.

- **Switching off the lights:**

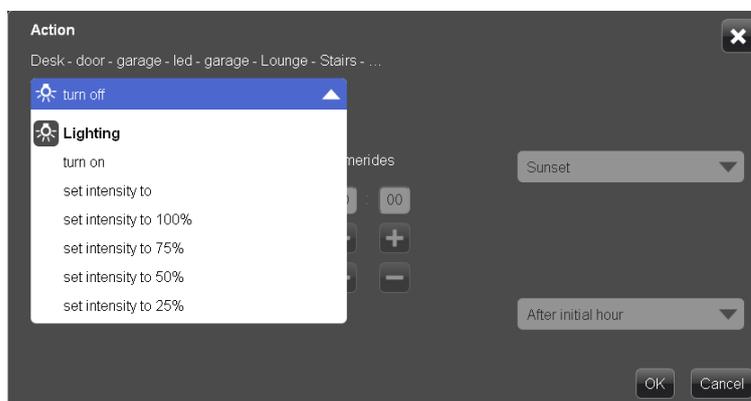We want to switch off all the lights at 08:05. To do so use the filter:

- Click on "**Lighting**", a green tick appears ✅,
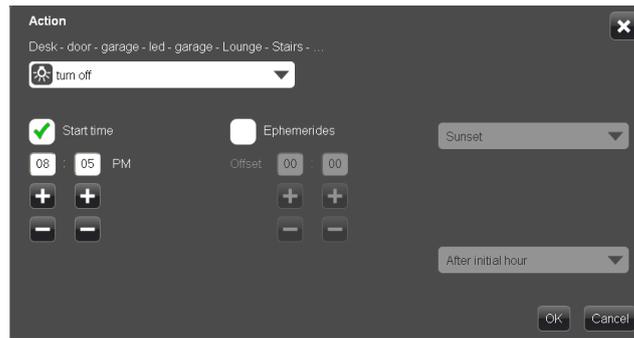
- Click on OK to validate.

- Select all the rooms, a green tick appears ✅,

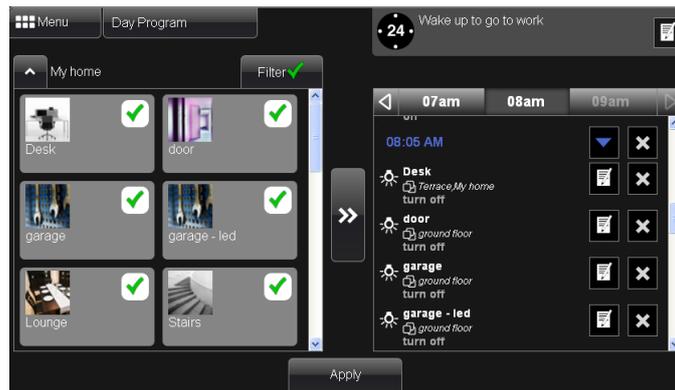- Click on ≫, an "**Action**" window opens.

- Select "**turn off**" in the drop down list.

- Press ➕ to scroll through the hours and minutes until 08:05 appears,
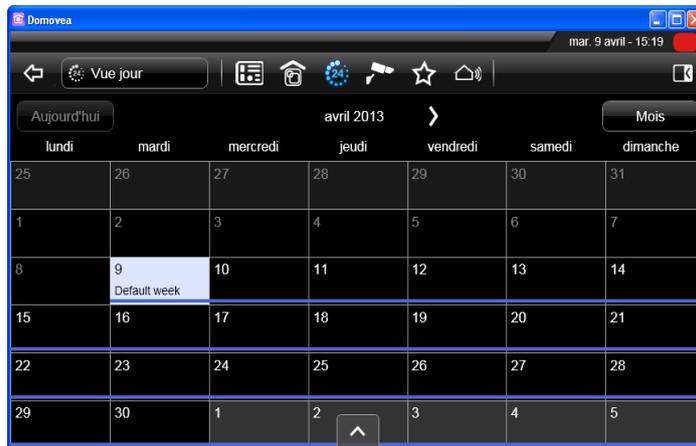
- Click on OK to validate.

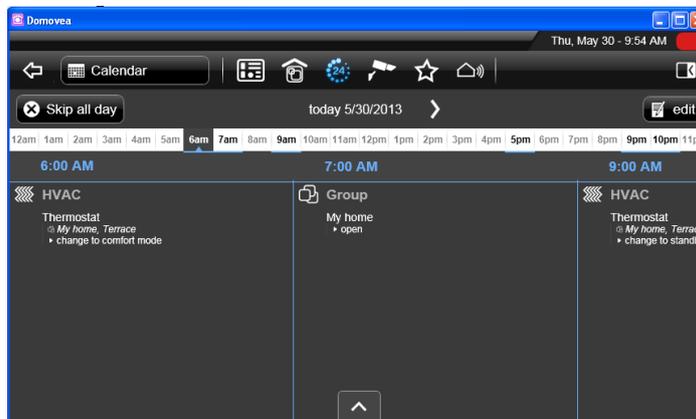- Click on "**Apply"** to save the data.

- Click on the ⟨24⟩ icon in the client interface to access the programming function.

- Click on a day on the calendar to view the program for the day.

The automatic operation for the day is summarized in this view.
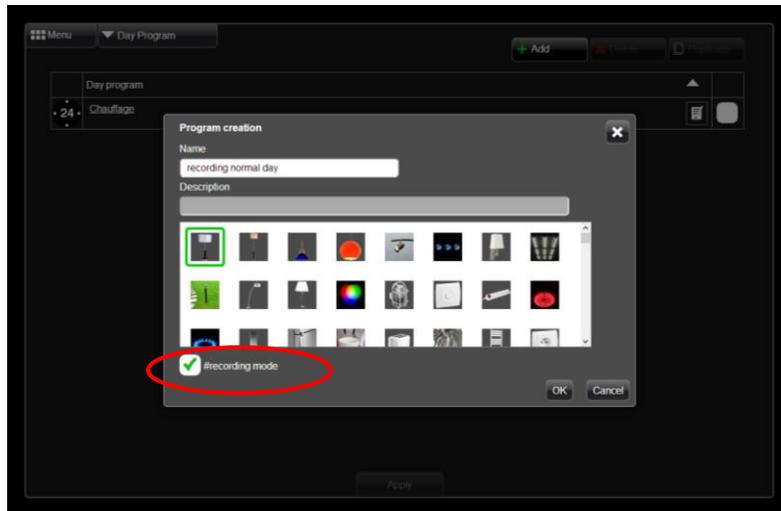

To override one or more actions during the day, click on "**edit**".

A is displayed to override or to activate, click on "**finish**" when the selection has been made.
It is also possible to override a complete step (a set of actions grouped at the same time) or an entire day.
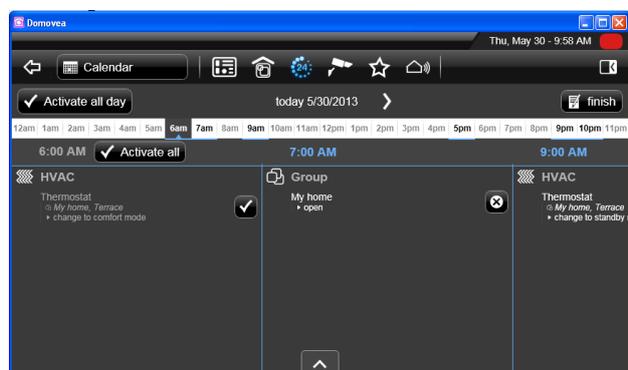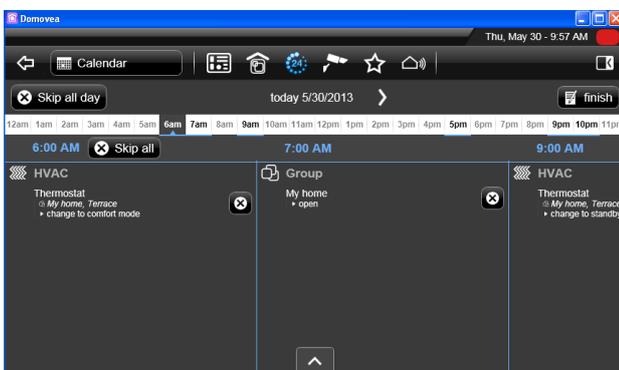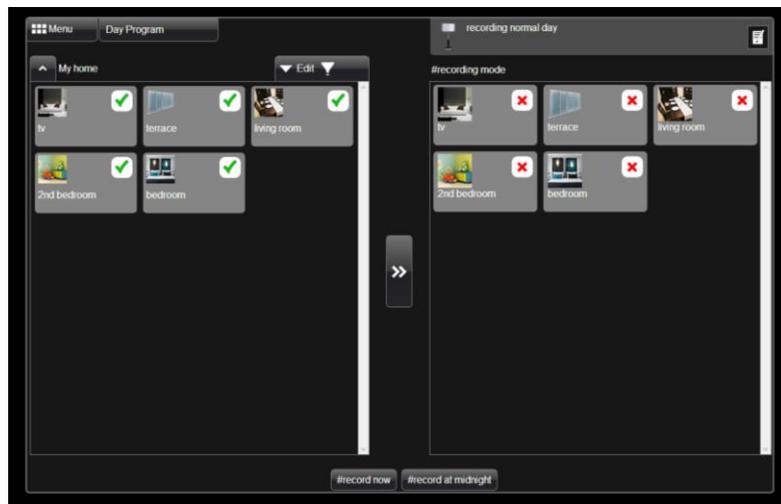
8. PROGRAM RECORDING

It's possible to select an option during the program creation step

By selecting this option, you will be able to record some actions (period : 24h) and to add them to a program in order to play them another day (for example as a presence simulation program).

Select your devices and click on ''record now'', or ''record at midnight''.

Note : To be recordable, a device must have its indication state object linked

Your program is now recording the actions from the devices that you have selected.
After 24h, the record will be automatically stopped and the program will be usable
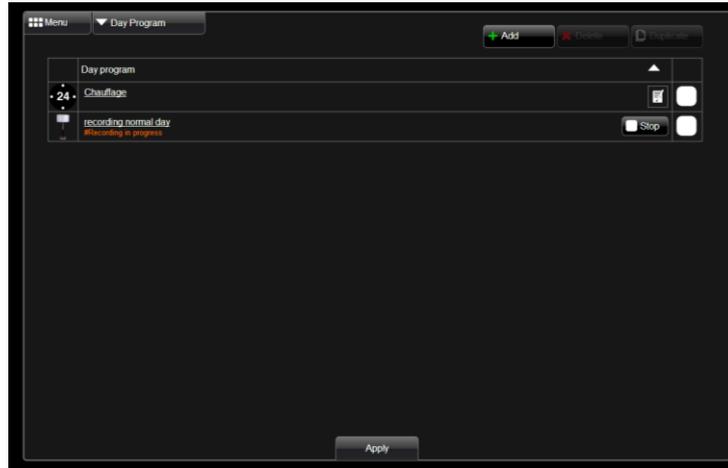
You can then modify, delete or add some actions and affect the program to a week model or authorize it for one or several home status, as for a normal program.

9.   LIMITATIONS

Maximal number of programs : 50
Maximal number : of week templates : 50
Maximal number of actions in a program : 100