

Thermostatic valve IO



SUMMARY

Why?

Product Concept

Installation

Tahoma

Use Cases



—
Why?
—



Why?



Focus on new housing prescription



TRV are part of tender in new housing

Already big customers:



France (around 10.000 new dwellings in 2020)



Poland (around 10.000 valves by 2021)



Installer demand



- Unknown protocol
- Need of Zwave plug or Zwave rail-din module



- The range level is much more efficient (metallic mass)
- Protocol known to our pros
- Coherent with the new lighting IO range



End-user needs



Heating is the major energy expenses of households
-> Save up to 15% of energy

Heating needs are different in each rooms :



Creating different scenarios depending on the schedule

ENRICH THE CLIMATE RANGE



CLIMATE

1st step



Centralize your heating

2nd step



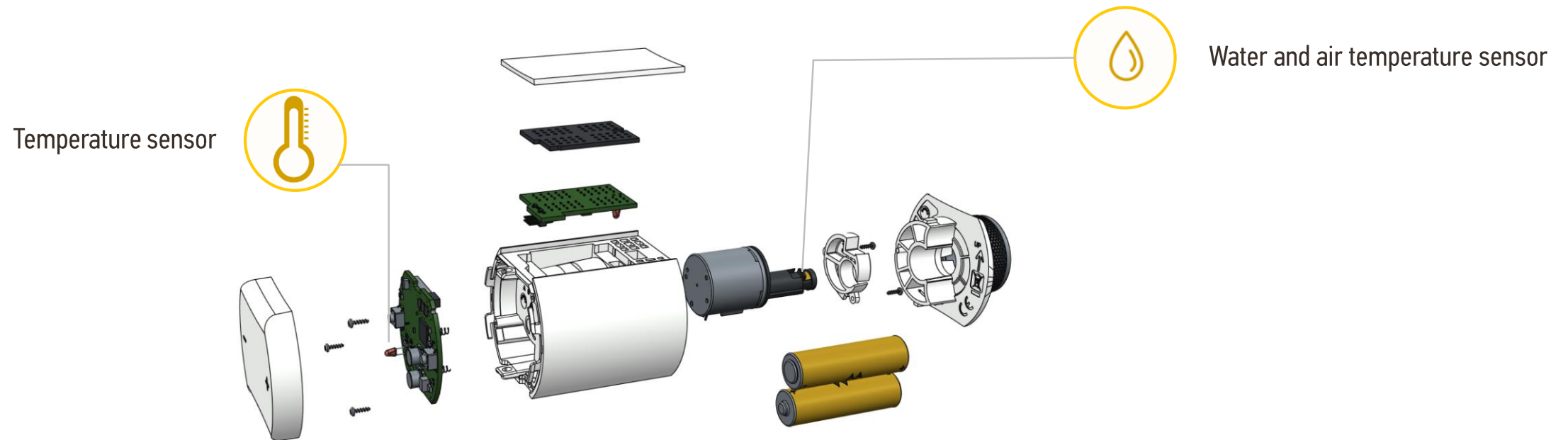
Adjust your
temperature room
by room

*More Comfort
More Cost Saving*

Product concept



OPTIMIZED REGULATION

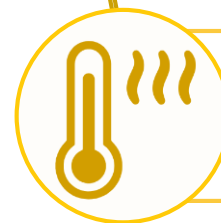


The regulation efficiency is managed by a very smart heating algorithm including data from two temperature sensors, water sensor and the self learning regulation data.

SELF-LEARNING



Analyzing the environment of the rooms



Anticipating the heating period



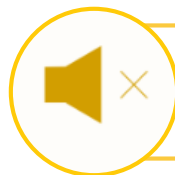
For example you wish 19°C at 7pm, your heating system will then start heating 15mn before



DESIGNED FOR SILENCE



Step-by-step process IO valve motor



Very low noise level < 30 DB





OPEN WINDOW DETECTION



Detecting an open window when the temperature goes down by 2 degrees in less than 10 minutes



Reducing automatically the heating temperature when windows are open



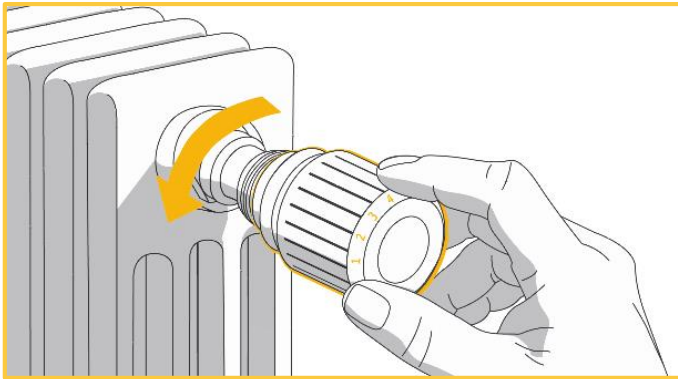
Avoiding waste of energy and money

Installation process

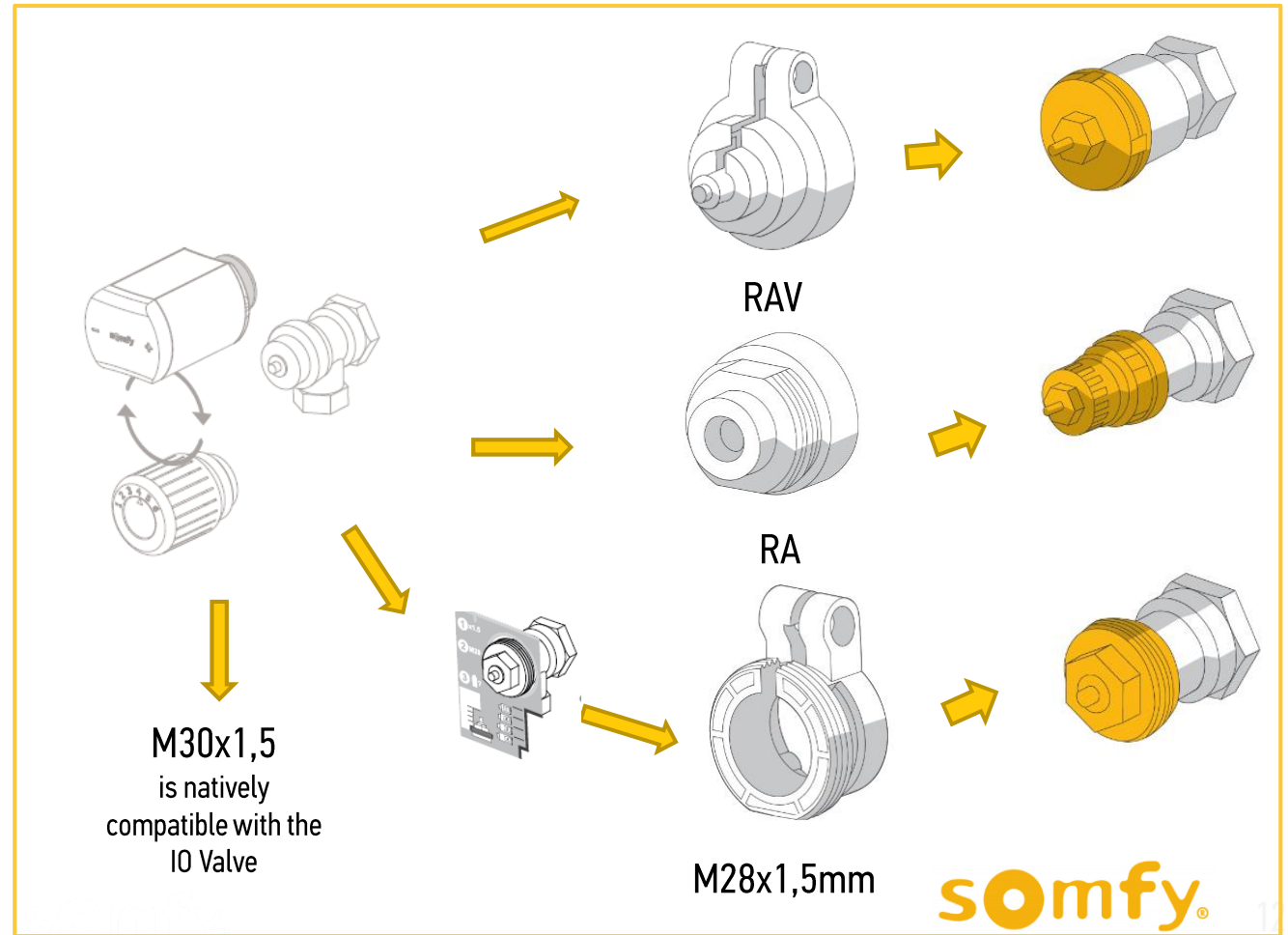


INSTALLATION PROCESS

1. Remove the existing radiator thermostat head



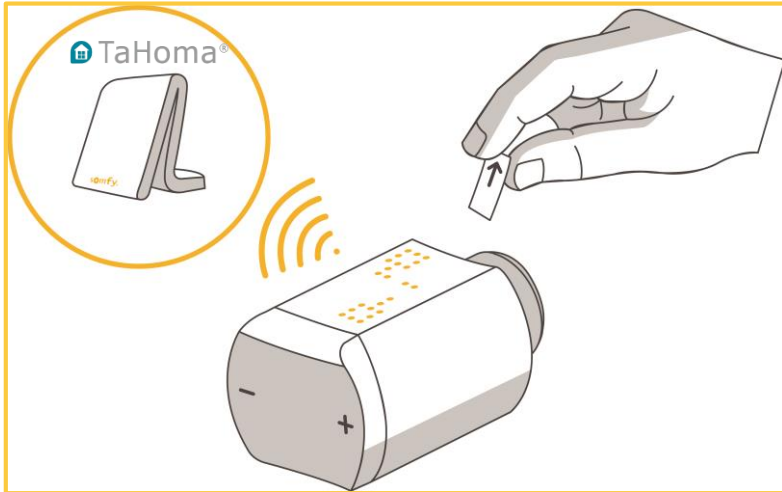
2. Select the right adapter thanks to the selection guide



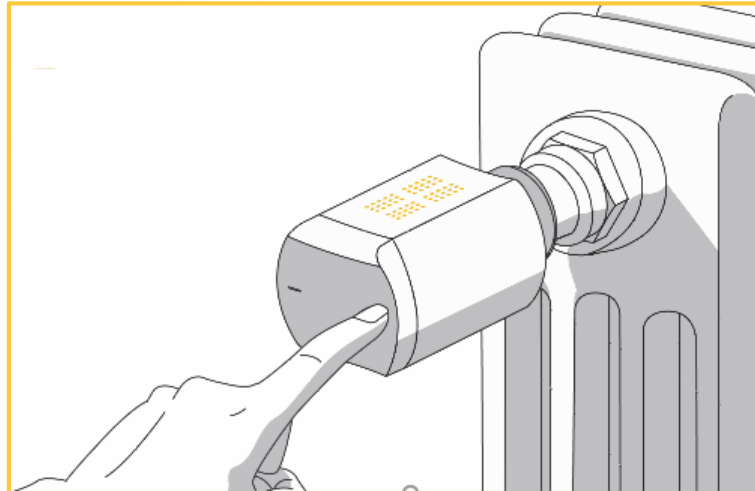
INSTALLATION PROCESS

3. Remove the sticker to switch on the product.
The valve goes in pairing mode for 10 min with

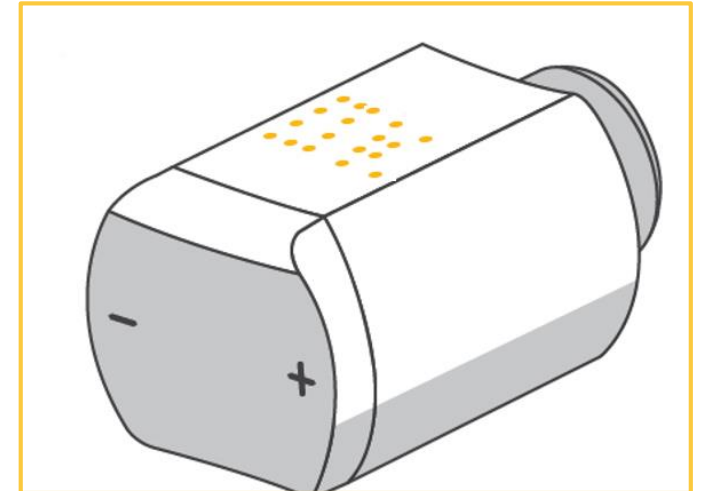
 TaHoma®



4. Press 3 sec for the end-limit research



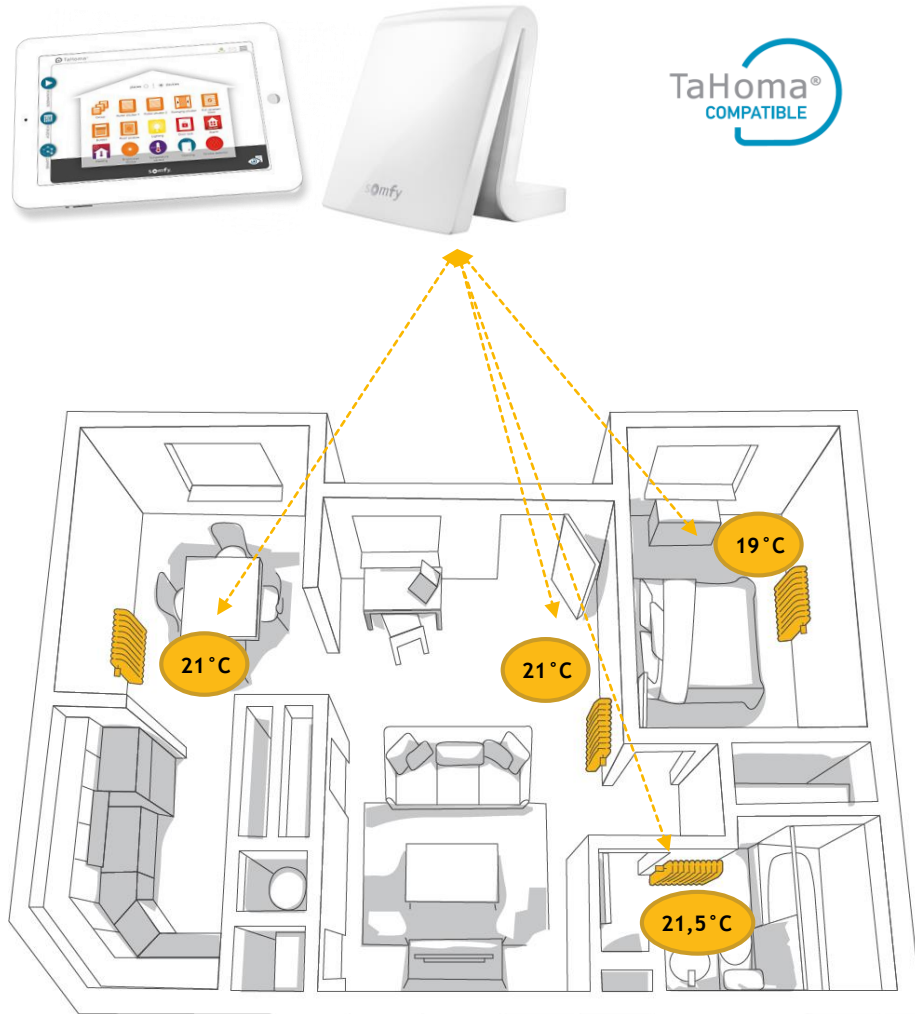
5. Congratulation!
The Thermostatic Valve IO is
now connected



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TaHoma
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TAHOMA – PRODUCT FONCTIONNEMENT



Communication time between TaHoma and the valve: 10 mn VS
30 mn for the Danfoss valve



Except

In the case of open windows, the valve sends an **instant** message to TaHoma and regulates the temperature

CONFRONTATION WITH CURRENT OFFER (DANFOSS)



DANFOSS



SOMFY

	<u>Through TaHoma</u>	
Temperature	✓	✓
Mode	X	✓
Self learning inertia	X	✓
Programming	✓	✓
Communication	30min	10min
Installation	USB Key	IO embedded
Off line pairing	X	✓

VALVE FUNCTION THROUGH TAHOMA

5 modes available for the connected IO valves



SET YOUR AGENDA TO INCREASE YOUR SAVINGS

Programming two types of schedules

The image displays two overlapping screenshots of the Somfy agenda programming interface for Monday. The interface is designed for scheduling heating/cooling modes throughout the day.

Left Screen (P2 highlighted):

- Header: "Please select a day: **Monday**"
- Time slots: 01h, 02h, 03h, 04h, 05h, 06h
- Row 1 (01h-06h): Night mode (purple crescent moon icon)
- Row 2 (01h-06h): At home mode (red house icon)
- Time slots: 7h, 13h, 19h
- Row 3 (7h-13h): At home mode (red house icon)
- Row 4 (13h-19h): At home mode (red house icon)
- Legend: At home (red house icon), Night (purple crescent moon icon), Away (green house icon)

Right Screen (P1 highlighted):

- Header: "Please select a day: **Monday**"
- Time slots: 01h, 02h, 03h, 04h, 05h, 06h
- Row 1 (01h-06h): Night mode (purple crescent moon icon)
- Row 2 (01h-06h): At home mode (red house icon)
- Time slots: 7h, 8h, 9h, 10h, 11h, 12h
- Row 3 (7h-12h): At home mode (red house icon)
- Time slots: 13h, 14h, 15h, 16h, 17h, 18h
- Row 4 (13h-18h): Away mode (green house icon)
- Row 5 (13h-18h): At home mode (red house icon)
- Time slots: 19h, 20h, 21h, 22h, 23h, 24h
- Row 6 (19h-21h): At home mode (red house icon)
- Row 7 (19h-24h): Night mode (purple crescent moon icon)
- Legend: At home (red house icon), Night (purple crescent moon icon), Away (green house icon)
- Day selection menu: Monday (selected), Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday
- Copy icon (orange document icon)
- modes settings (gear icon)
- Valves settings (gear icon)

CONNECT YOUR VALVE TO THE OTHER SOMFY PRODUCTS



Link your valves with your other Connected objects on TaHoma for each of your scenarios

USE CASES





« I only heat the rooms
that I use in order to
save energy and
money »

John



« I scheduled each
mornings at 7:10 am to
increase the heating in
my bathroom so I can
take a comfortable
shower »

Marvin

« Each mornings when I am
leaving home, I put on the
Away mode on my Tahoma
App, closing my shutters
and my portal but as well
lowering the temperature
thanks to the IO valves »

Eva





Thermostatic valve 10

Heat smart. Enjoy confort. Save energy.

