ENGINEERING TOMORROW

Site Reference | Renovation of a house in Ballan-Miré, France

Connect your radiators and/or hydronic underfloor heating* with **Danfoss Ally™**

www.ally.danfoss.com

Precision to the degree

with the **Ally™** electronic Radiator Thermostat

Partner API

works with the Google Assistant

works with amazon alexa

Danfoss Ally™ Compatible

zigbee certified product

A true example of smart heating in this renovation project of a detached house in Ballan-Miré (French department Indre-et-Loire), 230 m^2.
The house owners, who are passionate about home automation, wanted to control different environments, including heating, which has a significant role in energy consumption.
Naturally, they turned to Danfoss for their heating expertise and ease of installation of products on an existing home automation ecosystem.

The operation consisted of fitting the 13 radiators with **Danfoss Ally™** Radiator Thermostats and connecting them to the JEEDOM gateway.

Stakeholders:

- **Ballan-Miré town**
- **Mr & Mrs Martin (house owners)**
- **Gateway Jeedom**

*Hydronic underfloor heating = Icon™ range

Customer challenges

- Compliance with the new regulation
- Significant impact on the highest energy consumption in the dwelling, with heating accounting for almost half of the dwelling's energy bill
- Connectivity

Customer benefits

- Intuitive programming
- App control from everywhere, anytime
- Optimized comfort for each room
- Lower energy bills
- Autonomy

Return on investment time	Energy savings	Intuitive operation
1.5 years	23%	

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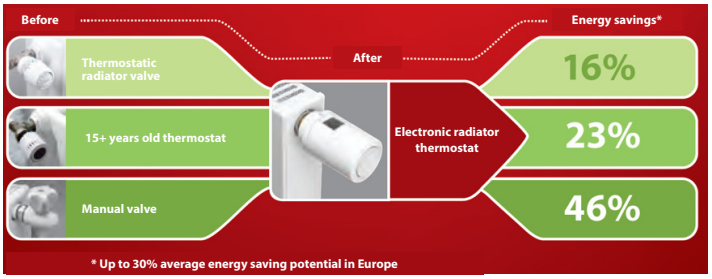
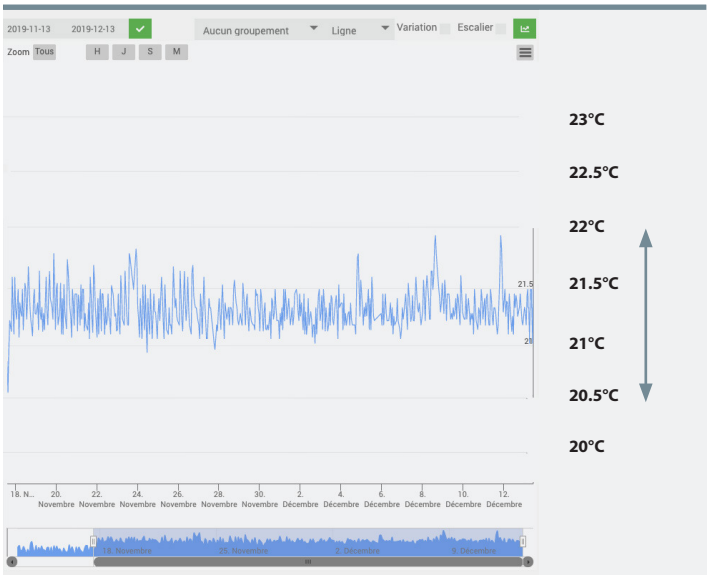
Energy savings

An electronic Radiator Thermostat which connects to systems using **Zigbee 3.0** technology. The temperature can be controlled individually, room by room.



Comfort

Extremely smooth regulation with very low amplitude in variations.



The temperature fluctuates by +/- 0.5°C from the actual temperature.

"I was looking for a solution that was both connected and autonomous, and reliable in terms of its operation and its accuracy. I was convinced by the tests carried out with the Danfoss Ally™ Radiator Thermostat, first of all, for the temperature obtained.

In fact, my measurements carried out with a remote sensor are unquestionable: The Radiator Thermostat works with surgical precision (the house is very well insulated, which should also contribute to this). This issue was crucial in my choice, as temperature variations can result in greater energy consumption, as well as being uncomfortable. With such precision, there is no doubt that savings will be made, but above all, comfort will be unparalleled.

Secondly, when it comes to reliability, I had no problems with the thermostat used for testing, which gave me confidence in the quality of Danfoss products.
In terms of autonomy, it meets my needs perfectly; I can set it directly and it can operate without a smart hub (which is a good back-up if I were to lose my hub).

The product is well-suited for me and it will equip the 13 radiators in my house (heated surface area approx. 230 m²) by specifying different room temperatures. This could not be done with the existing system, which only had a thermostat on each floor. This will make management much easier and much more precise. Before, we had to play with 5 or 6 radiators to balance temperatures in different areas; some rooms remained colder, others warmer without us really being able to correct them".

Mr & Mrs Martin
Owners of the property

Danfoss Ally™ features

- Data confidentiality (no email, no phone number)
- Always controllable even without a smartphone
- Compact design (best in its category)
- Intuitive user interface
- 2 x 1.5 V batteries included in the pro network (lifetime > 2 years)
- Open window detection
- Ultra quiet < 30 dbA
- Automatic anti-blocking
- 30-second installation on 95% of systems: supplied with adaptors (for Danfoss RAV / RAVL valves and other M30 brands)

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Danfoss A/S
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