

# Danfoss Icon2™ – Installation and commissioning made simple



# A quick look around the **Danfoss Icon2™** system

Danfoss Icon2™ delivers precise and efficient control of underfloor heating with smart-home compatibility and the flexibility to fit every application.

## Fast and hassle-free

The main controller is designed with fewer components and in-app guidance for fast and hassle-free installation, and will deliver outstanding performance every time.

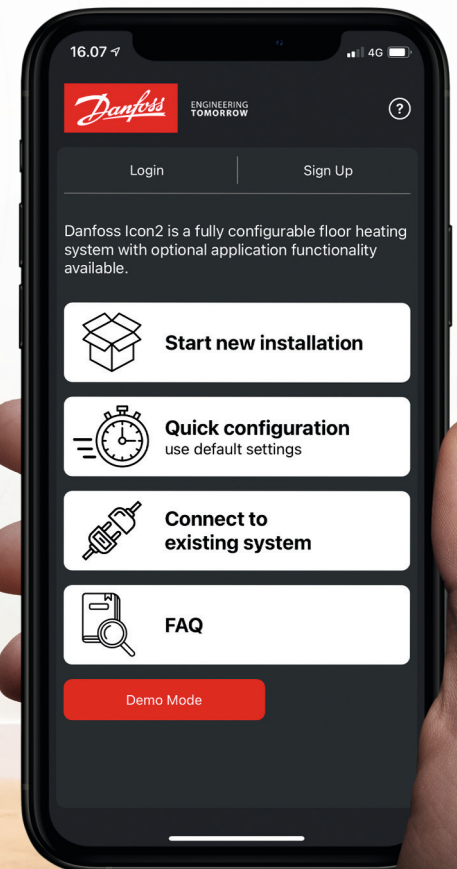
## Smart home compatibility

Danfoss Icon2™ integrates seamlessly with **Danfoss Ally™** solutions and can be controlled by the Danfoss Ally App, so end-users can enjoy all the benefits of a true smart-heating system.

Based on the **Zigbee 3.0 protocol**, the most common and fastest moving protocol for smart home solutions, the Danfoss Icon2™ solution speaks the same wireless language as countless other smart home devices around the globe.

## App-based installation

Set-up, commissioning and handover are all easier and faster because they are done digitally. Simply use the **Danfoss Icon2™ Commissioning App**, it guides you step-by-step and has everything you need to get the job done.



## Elegant thermostats

Whether you choose wired or wireless you will get compact elegance, and a touchscreen, and it will blend into the surrounding environment.

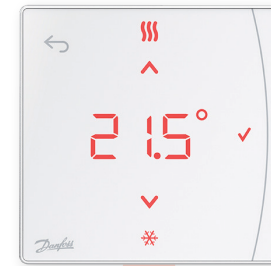
3 new **wireless thermostat** variants



Icon2™ Sensor



Icon2™ RT



Icon2™ Featured RT

**Wired 24V** Icon thermostats in on-wall and in-wall versions



Icon2™ 24V RT, On-wall




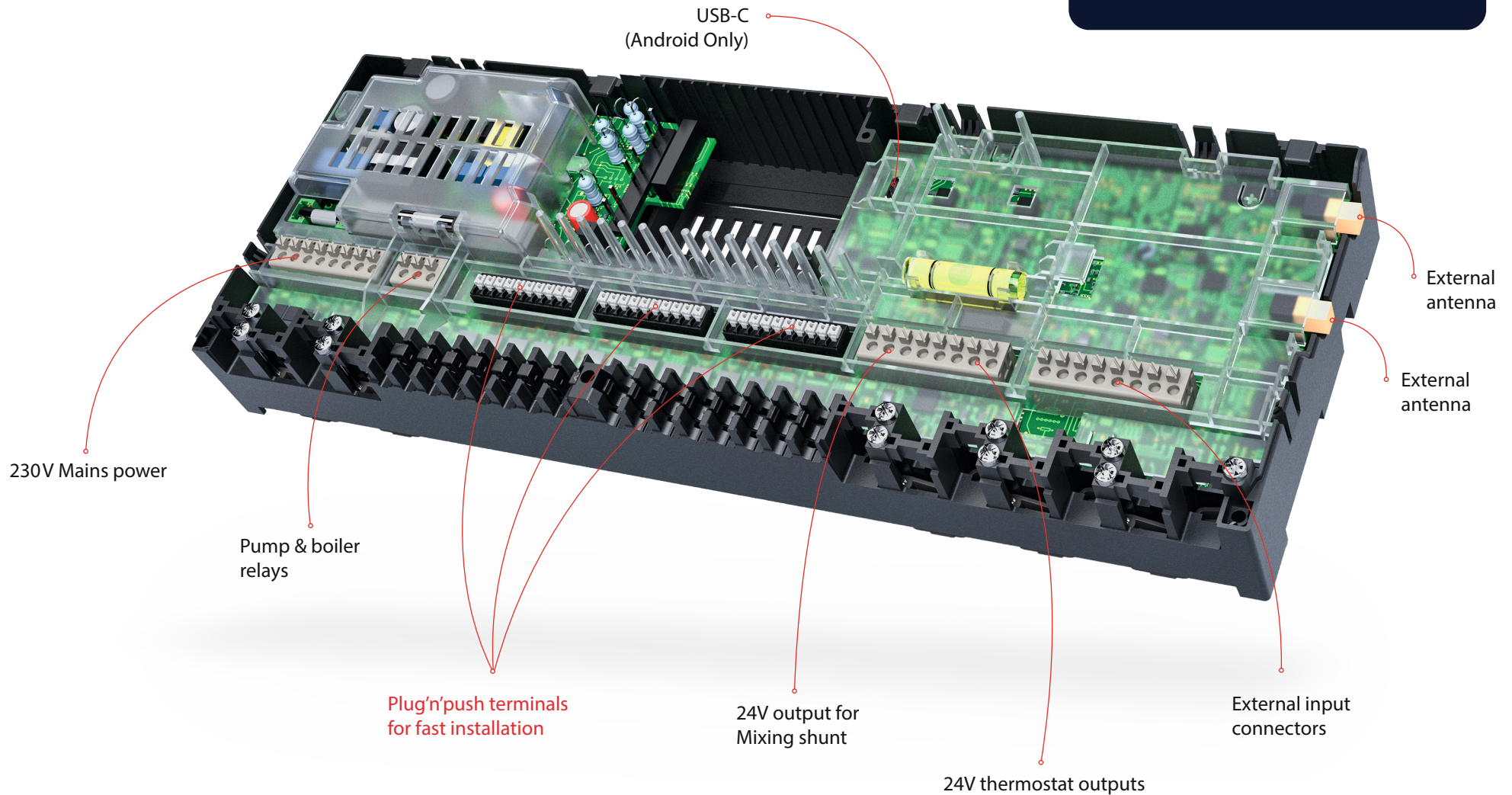
Icon2™ 24V RT, In-wall

The infrared beam registers floor temperature for a very fine degree of control.

# Fast guide to the inside

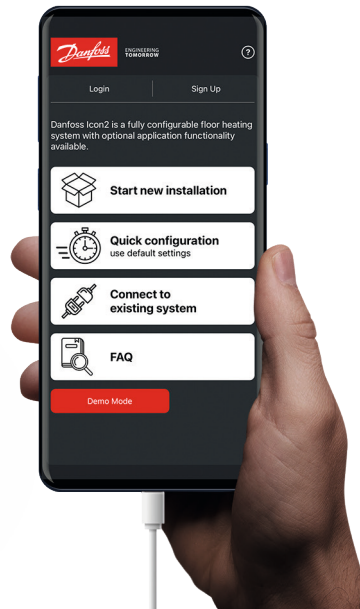
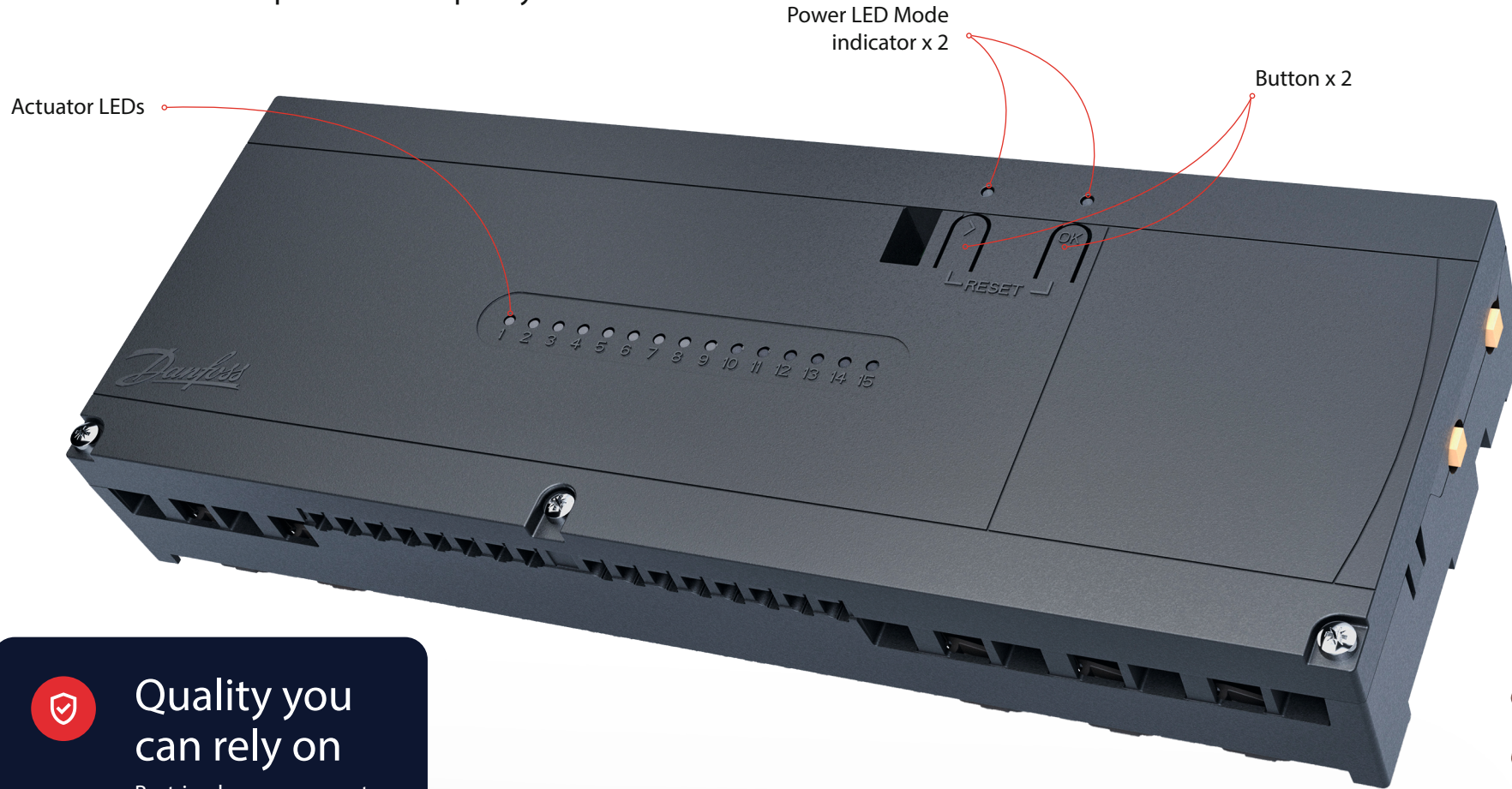
The innovative cabling saves you time, and the plug'n' push terminals make installation easy with minimal use of tools.


 Plug'n'push terminals for fast installation



# Fast guide to the outside

We have included just what you need. The minimal UI on the master controller with straightforward colourful LEDs further enhance the overall speed and simplicity of installation.



 **Quality you can rely on**  
Best-in-class components deliver reliable performance when installed by a professional.

# The fast route to smart control

Hydronic floor heating, radiator heating, or both? The **Danfoss Ally™ App** controls it all and you get full control of your home heating from anywhere and at any time. It also seamlessly connects with smart assistants such as **Amazon Alexa** and **Google Assistant**.



## Precise temperature control

Set it to 21°C and that's exactly what it will deliver



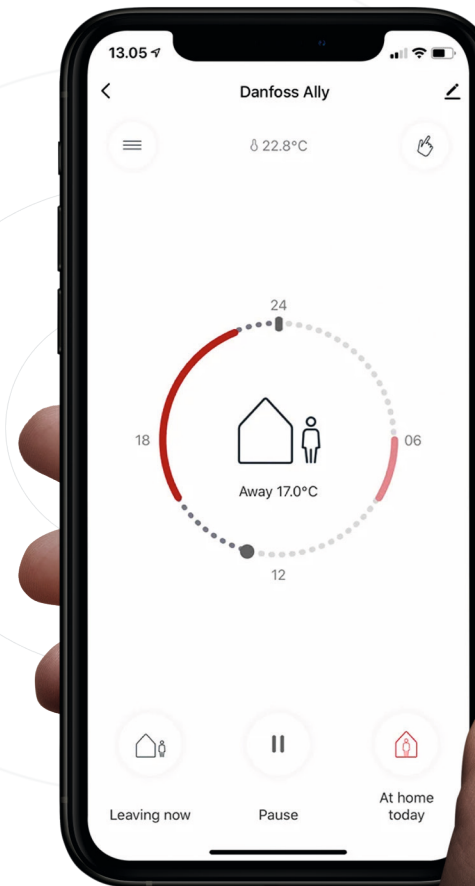
## Voice control of both radiators and floor heating

"Hey Google, turn up the heat in the bathroom!"



## App control from anywhere

When it's time for vacation, the Danfoss Ally App makes it easy to adjust your heating before you leave – or even while you're on the road. You can schedule for maximum comfort with less energy usage.



## Quick cloud connection

The **Danfoss Ally™ Gateway** is the only extra device you need to get cloud connected and gain all the smart heating features on top. It's built on **Zigbee 3.0 protocol**, which makes it easy to make smart homes even smarter.



**Danfoss Ally™ Gateway**

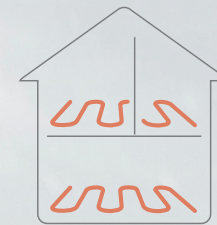
Connects to the router and enables the **Danfoss Ally™ App** to communicate with **Danfoss Icon2™**.



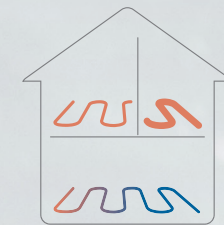
**Danfoss Icon2™**

# Maintaining the right balance **in every room**

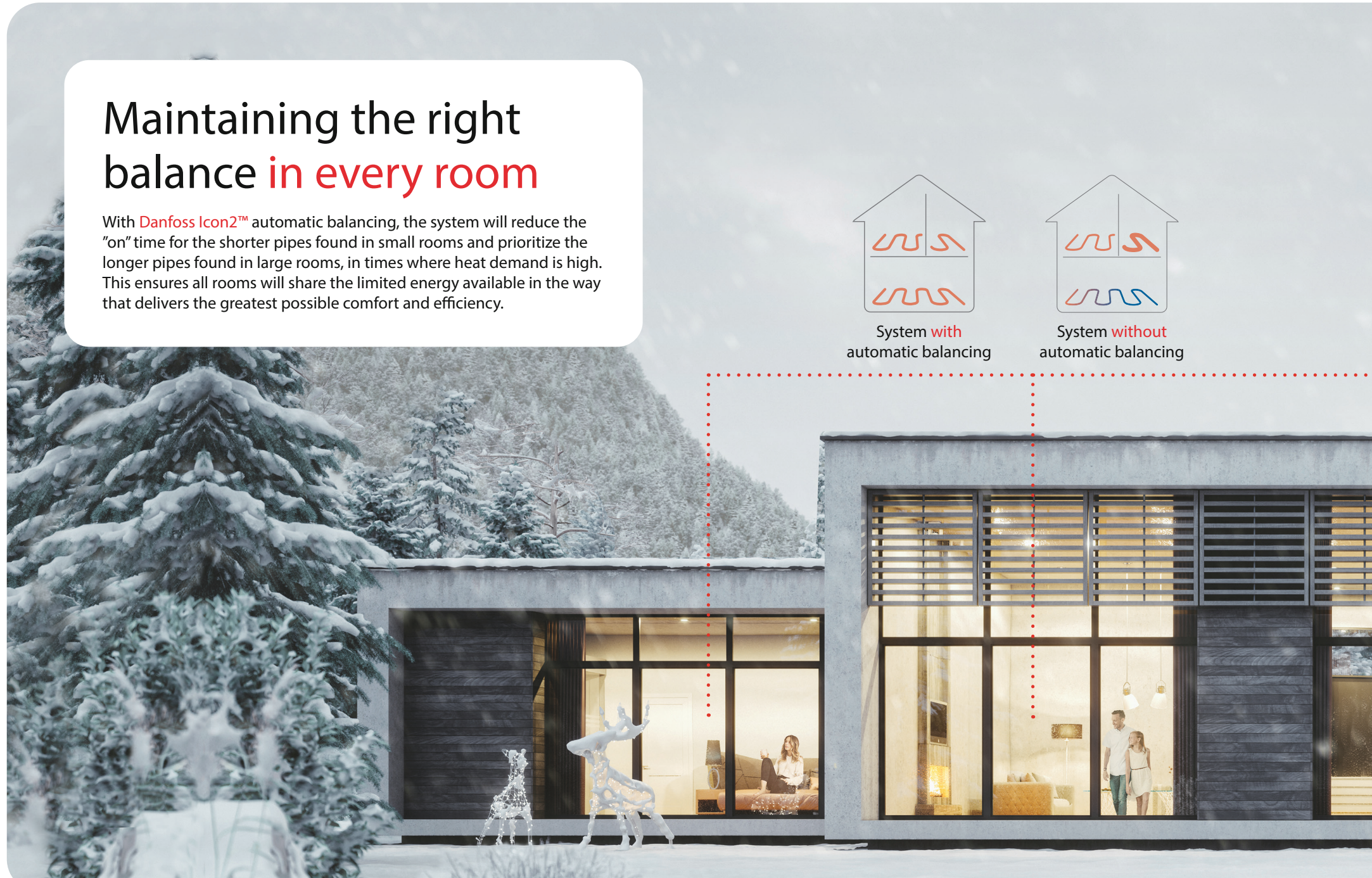
With **Danfoss Icon2™** automatic balancing, the system will reduce the "on" time for the shorter pipes found in small rooms and prioritize the longer pipes found in large rooms, in times where heat demand is high. This ensures all rooms will share the limited energy available in the way that delivers the greatest possible comfort and efficiency.



System **with**  
automatic balancing



System **without**  
automatic balancing





## The benefits of **automatic balancing**

### Energy savings

A balanced system can work with a lower supply temperature

### Simple design

No calculations are needed as Danfoss Icon2™ takes care of it all

### Easy installation

No need for pre-setting

### Comfort

A more accurate room temperature in all areas of the house

## **High scalability** for large installations

Danfoss Icon2™ is designed to meet the demands of large installations, providing reliable and efficient control with high scalability.

- Supports up to 45 room thermostats and four main controllers
- Wireless connectivity for streamlined setup

## Wired and wireless thermostats



### Automatic screen-off

On Danfoss Icon2™ wired and wireless thermostats, the screen powers off automatically so it's off 99% of the time and blends into the environment.



### System compatibility

It is possible to combine 24V wired and wireless room thermostats in the same system.

## Iconic design in wired versions



On-wall version



In-wall versions

- Mount in-wall or on-wall
- Minimal size
- Only two wires for easier installation

## Slim design in wireless versions



Icon2™ Featured RT

The infrared beam registers floor temperature for a very fine degree of control.

- Easy and tool-free mounting using magnets
- Minimal size
- New touchscreen design for improved responsiveness
- Can be integrated into any open Zigbee system
- Built-in humidity sensor

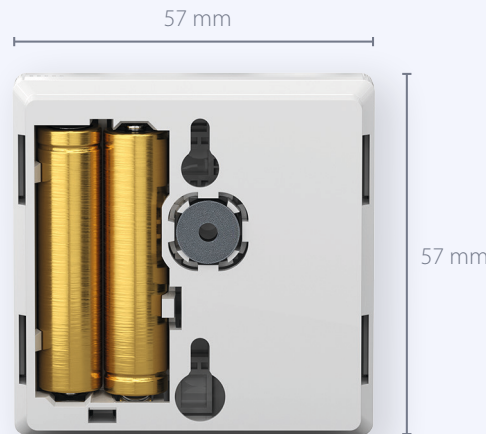


Icon2™ RT



Icon2™ Sensor

## Installation has never been **easier!**



### Magnetic mounting

Now you have the freedom to put thermostats exactly where you want them. Just press the magnet on to the wall in the desired position and the wireless thermostats can be mounted on top.

### Slimline elegance

The wireless thermostats have a depth of only 16mm so they will blend into any room.

### Built into a switch frame

For the perfect match between room thermostat, light switch and power sockets, the frame can be exchanged for a popular frame from one of the switch frame manufacturers.



# Danfoss Icon2™ feature summary

## Room Thermostats

- + Available
- (+) Require external floor sensor, 088U1110
- ÷ Not available

Version	Code number	Display	Humidity sensor	Floor sensor	Tool-free mounting	Open Zigbee	24V	Switchable frames
Danfoss Icon2™ Sensor	088U2120	÷	+	÷	+	+		
Danfoss Icon2™ RT	088U2121	+	+	÷	+	+		
Danfoss Icon2™ Featured RT	088U2122	+	+	+	+	+		
Danfoss Icon2™ 24V RT, In-wall 80x80	088U2125	+		(+)			+	+
Danfoss Icon2™ 24V RT, In-wall 86x86	088U2126	+		(+)			+	+
Danfoss Icon2™ 24V RT, In-wall (Feller)	088U2127	+		(+)			+	+
Danfoss Icon2™ 24V RT, On-wall	088U2128	+		(+)			+	

Icon2™  
complies  
with **Class A**  
performance

Icon2™ Advanced excels in floor heating controls, achieving Class A energy performance under the EN ISO 52120 BACS Standard for building efficiency, optimizing floor heating controls through the TABS (Thermally Activated Building Systems) category.



## Main Controllers

Version	Wired and wireless thermostats	Multiple heat emitter support	Automatic hydronic balancing	Zigbee compatibility to Danfoss Ally™ and 3rd parties	Manual floor cooling	Flow temperature control	Advanced floor cooling
Danfoss Icon2™ MC, Basic, EU	+	+	+	+	+	÷	÷
Danfoss Icon2™ MC, Advanced, EU	+	+	+	+	+	+	+

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