

ENGINEERING
TOMORROW

Danfoss

Hydronic floor heating control

Everything happens **faster** with
Icon2™ floor heating control



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.



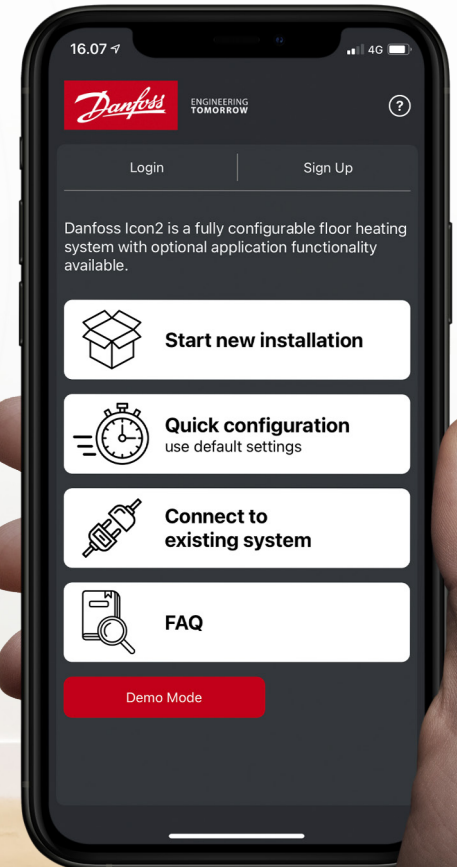
Smart home compatibility

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.

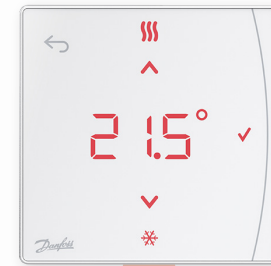
3 new **wireless thermostat** variants



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

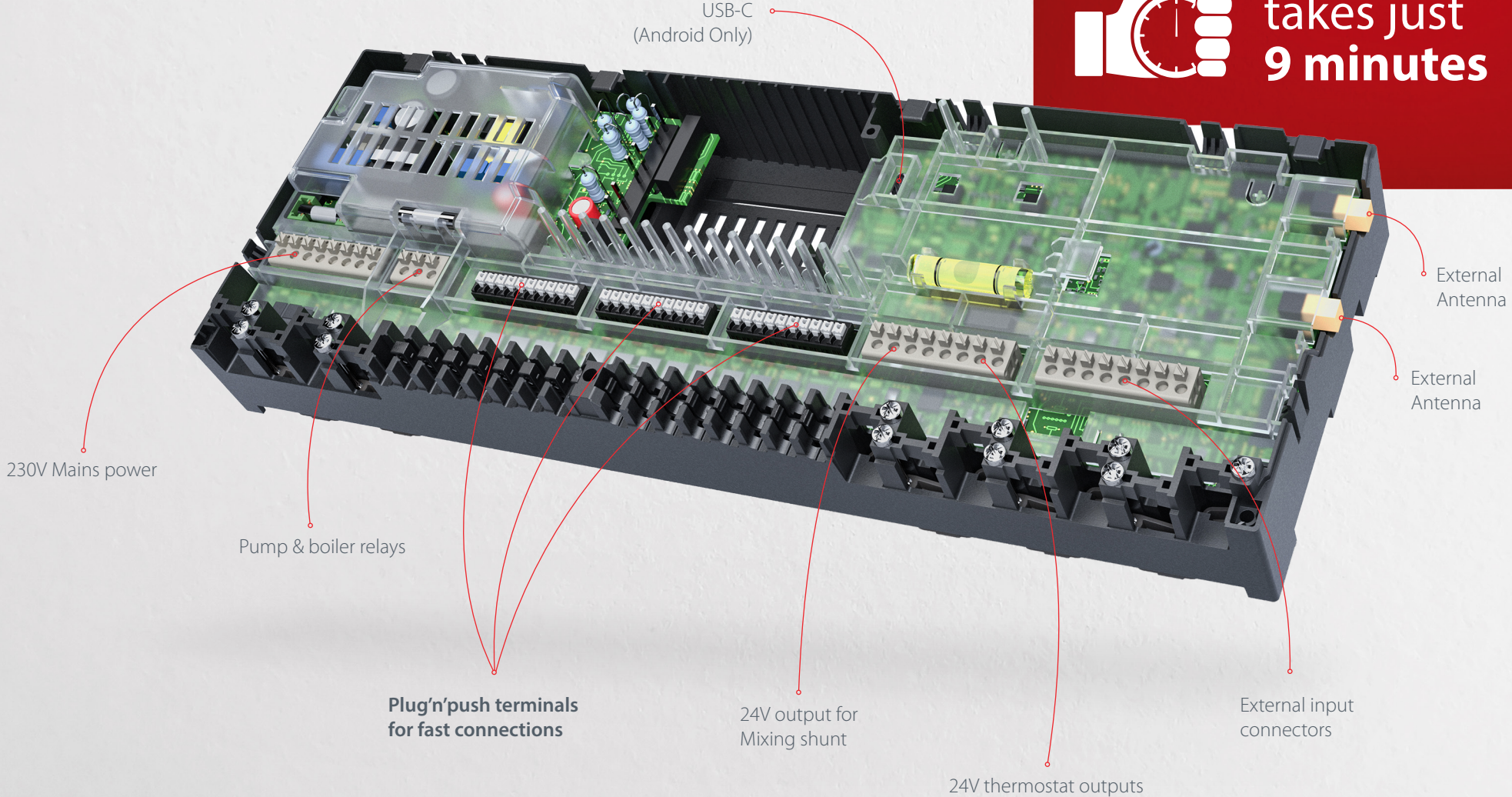
The infrared beam registers floor temperature for a very fine degree of control.

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.

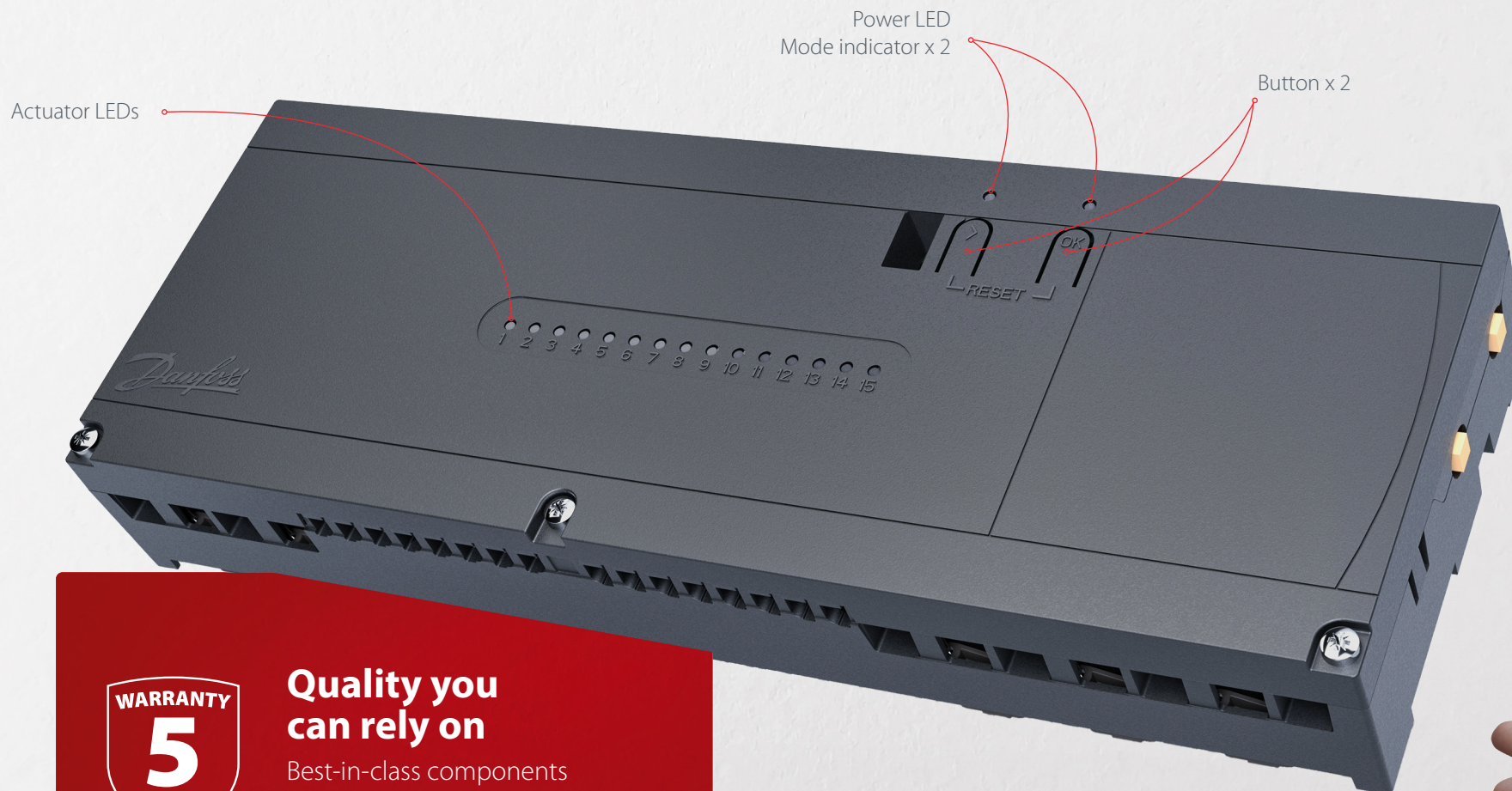


Installation takes just 9 minutes



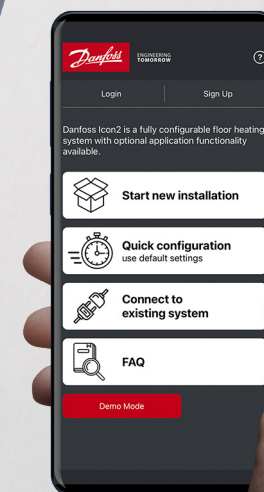
Fast guide to the outside

We have only included just what you need. The minimal UI on 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 any where and at any time. It also seamlessly connects with smart assistants such as **Amazon Alexa** and **Google Assistant**.



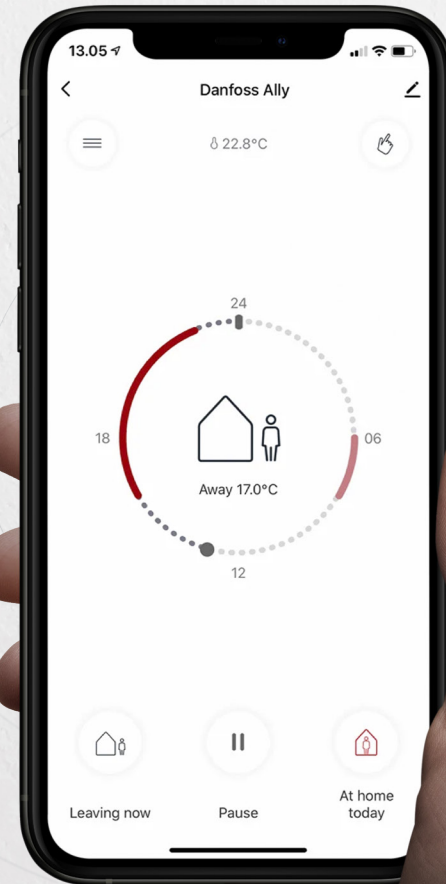
Precise temperature control.
Set it to 21°C degrees and that's exactly what it will deliver



App control from anywhere.
When its 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.



Voice control of both radiators and floor heating.
"Hey Google, turn up the heat in the bathroom!"



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.



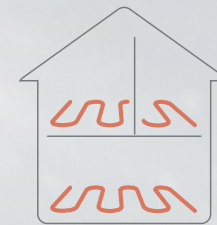
Danfoss Ally™ Gateway
Connects to the router and enables the **Danfoss Ally™ App** to communicate with **Danfoss Icon2™**.



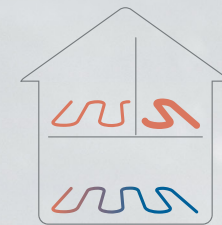
Danfoss Icon2™

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



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
- Only two wires for easier installation
- The frame can be exchanged for a popular frame from one of the switch frame manufacturers

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 in any open Zigbee systems
- Built-in humidity sensor

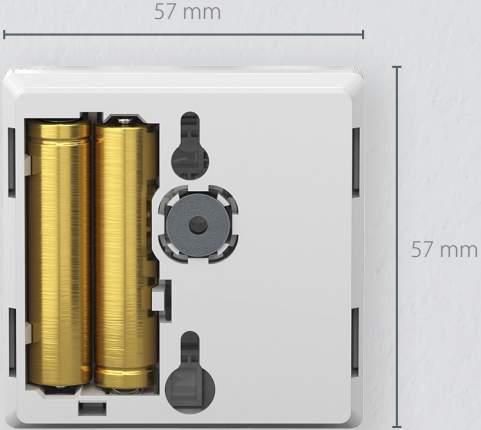
Installation has never **been easier!**



Icon2™ RT



Icon2™ Sensor



Magnetic mounting

Now you have the freedom to put thermostats exactly where you want them. Just press the magnet 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.



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	+		(+)			+	

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	+	+	+	+	+	+	+

Danfoss A/S

Climate Solutions • danfoss.com • +45 7488 2222

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.