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.

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.

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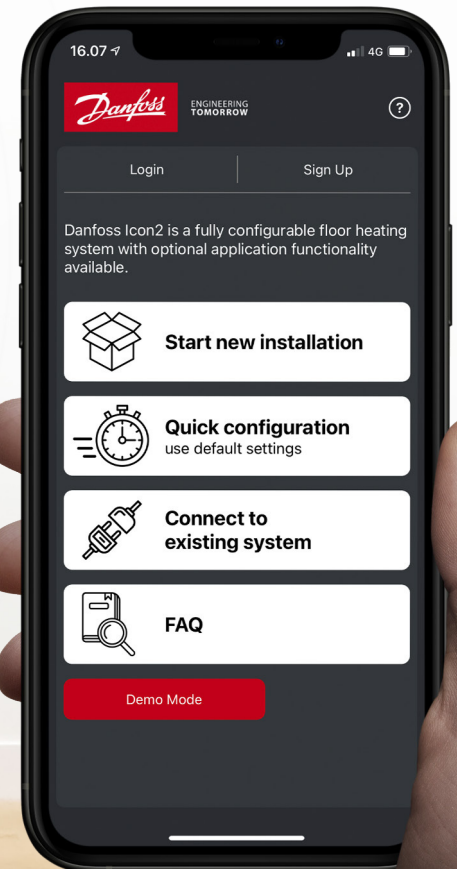
Smart home compatibility
Danfoss Icon2™ integrates seamlessly with **Danfoss Ally™** solutions and can be controlled by the Danfoss Ally App, so end-users can enjoy all the benefits of a true smart-heating system.

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.

16.07 ⚓ 4G

Danfoss ENGINEERING TOMORROW ⑦

Login | Sign Up

Danfoss Icon2 is a fully configurable floor heating system with optional application functionality available.

Start new installation

Quick configuration
use default settings

Connect to existing system

FAQ

Demo Mode

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
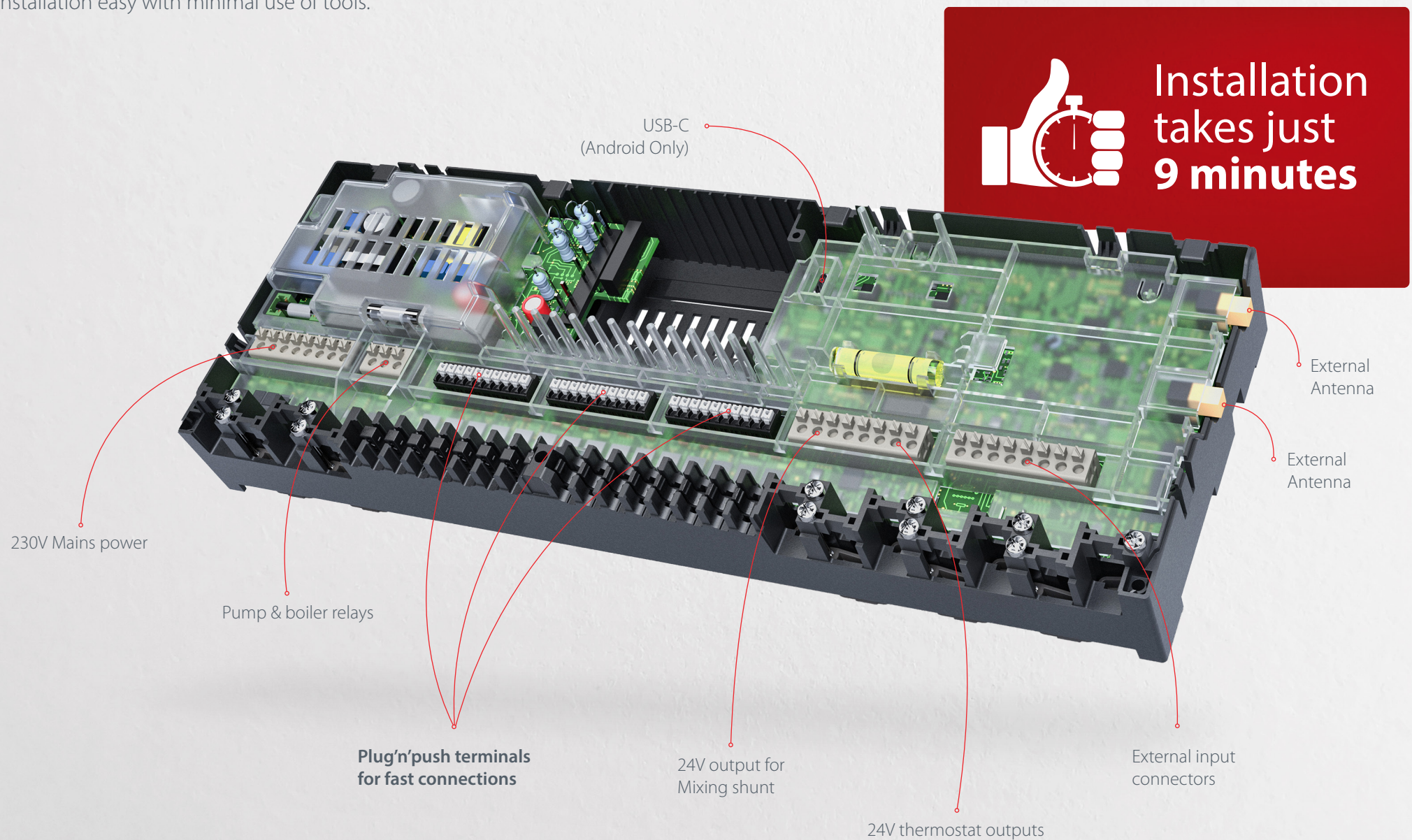
Icon2™ 24V RT, On-wall

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.

USB-C
(Android Only)

Installation takes just 9 minutes

External Antenna

External Antenna

230V Mains power

Pump & boiler relays

Plug'n'push terminals for fast connections

24V output for Mixing shunt

24V thermostat outputs

External input connectors

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.
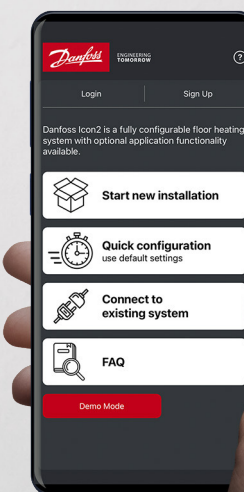
Power LED
Mode indicator x 2

Button x 2

Actuator LEDs

Quality you
can rely on

WARRANTY
5
YEAR

Best-in-class components deliver reliable performance when installed by a professional.

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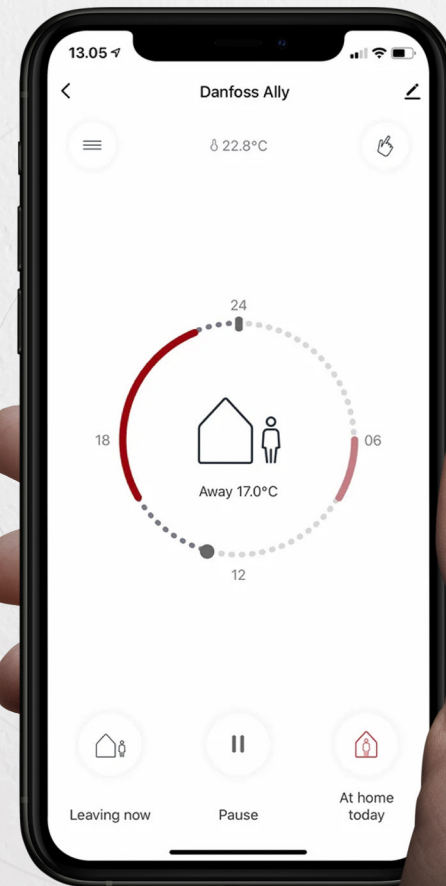Set it to 21°C degrees and that's exactly what it will deliver

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!"

Download on the **App Store**

GET IT ON **Google Play**

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 build on **Zigbee 3.0 protocol**, which makes it easy to make smart homes even smarter.
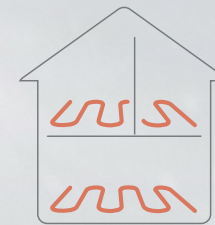
Danfoss Ally™ Gateway
Connects to the router and enables the **Danfoss Ally™ App** to communicate with **Danfoss Icon2™.**

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
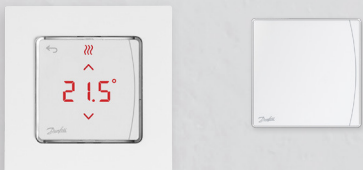
Easy installation
No need for pre-setting

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
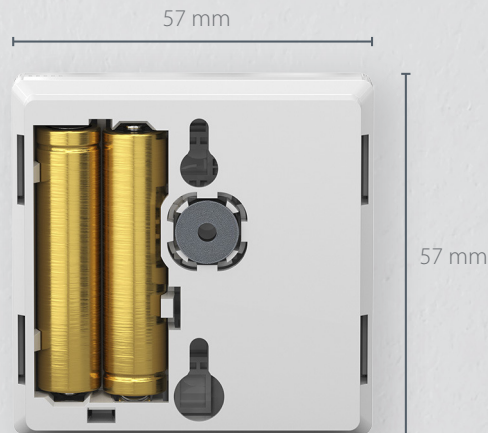- Built-in humidity sensor

Installation has never **been easier!**

57 mm

57 mm

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.

21.5°

Icon2™ RT

Icon2™ Sensor

Danfoss Icon2™ feature summary

Room Thermostats

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	+	+	+	+	+	+	+

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