

ENGINEERING
TOMORROW

Danfoss

Case story | *Danfoss Link*

Precise heating control anytime, anywhere with the ***Danfoss Link™*** App

Kurt and Elly can always count on a warm welcome – even when they come home early

Flexible

temperature adjustment

Whether at home or away,
the *Danfoss Link™* App
enables easy heating
regulation right down
to half a degree

smartheating.danfoss.com



Great heating comfort for active lives

Remote temperature control makes home heating easier and cheaper. The house in the quiet lane is the perfect place for an active couple like Kurt and Elly. Built just outside Aarhus, the 145m² bungalow gives easy access to running routes in beautiful nature and to the city's many restaurants and cultural experiences.



"It's extremely precise, right down to half a degree, and gives us exceptionally good comfort," says Kurt. "Three clicks are all it takes to tell the system when we are going out and when we are coming back."



A few months ago, life in the lane became even more comfortable. After installing the new *Danfoss Link™ App*, Kurt and Elly gained the freedom to control the temperature inside every room of their home – even while they are away on one of their regular skiing trips. So, if they happen to change their holiday plans, they can be sure the house is warm and inviting the moment they set foot inside the door.

Towards perfect heating control

The journey towards perfect heating control began when they bought the property in 2011. Built in 1988, the house was already connected to the district heating supply, with traditional radiators

fitted in each room and floor heating in the two bathrooms.

"The heating worked fine but we had to turn the radiators up or down manually to adjust the heat," says Kurt. "That's something you just don't get around to doing if you are leaving the house for work or for the weekend."

After hearing about the electronic *Danfoss living connect®* thermostats, Kurt bought one for each radiator in the house. The *living connect®* thermostats communicate wirelessly with a *Danfoss Link* Central Controller.

Setting variable heating temperatures

"This allows us to set the heating to run at a lower room temperature while we are out of the house or asleep. So there is no need for us to adjust it before we go out," Kurt explains.

From the moment it was installed, the *Danfoss Link* system worked well. The one drawback was that the heating temperature could only be regulated from the controller in the house – a shortcoming Kurt and Elly felt to the bone one Christmas when they came home a day earlier than planned from a family visit.

"We came home to 16°C – and it took a long time to warm up!" Kurt shivers at the memory.

User-friendly app for remote control

So, when the new *Danfoss Link™ App* became available, they did not hesitate. First they upgraded to a new *Danfoss Link™ Central Controller* with WiFi capability. Then, all they had to do was download the *Danfoss Link™ App* onto their mobile phones and table and link it up to the controller via their home wireless network.

Kurt and Elly's Danfoss Link™ heating system comprises:

- 11 Danfoss *living connect®* thermostats
- 1 room sensor, which measures the temperature in the living room where three thermostatically controlled radiators are in place
- A *Danfoss Link™ Central Controller* with Wi-Fi, which provides wireless control of all radiator thermostats so the temperature in each room can be individually set. Studies have documented average energy savings of up to 30% in homes with a *Danfoss Link™* system installed
- The *Danfoss Link™ App*, enabling remote regulation of individual room temperatures from any location
- The *Danfoss Link™ App Helpdesk*, which provides technical support for Wi-Fi and app-related questions



The *Danfoss Link™ App* is a user-friendly mobile platform that allows accurate heating control from any location. Temperatures and times are simple to select. So, whether at work, visiting family for the weekend or skiing in the Alps, the busy couple can always keep track of their home heating and make adjustments.

"It's extremely precise, right down to half a degree, and gives us exceptionally good comfort," says Kurt. "Three clicks are all it takes to tell the system when we are going out and coming back.

"Our biggest job is to change the thermostat batteries every couple of

years or so," he laughs. "Otherwise we don't touch the radiators at all."

Cosy warmth at lower cost

The *Danfoss Link™ App* has proven useful at home as well – particularly when dinner guests stay late. Kurt just picks up his mobile phone and adjusts the heating timer, so the living room stays warm and cosy for a little longer. More often than not, the app has become a topic of conversation.

"We have talked about it with colleagues and friends and recommended it. They think it is smart, and several are now considering installing *Danfoss Link* themselves."

Kurt is sure it saves them a lot of money, too.

"We've had the *living connect®* thermostats since we moved in, so we can't make a before and after comparison. All I know is that our heating bill is very reasonable."

With just a week to go to their next skiing trip, the couple can look forward to lots of fresh air and exercise – and a warm welcome when they come home.

Three good reasons to choose Danfoss

Danfoss provides intelligent, energy-efficient heating solutions for your home. Our products increase comfort, reduce heating bills and make your heating system easier to manage. With more than 80 years of experience, innovation and development, we can offer you the best solutions for the perfect indoor climate.



1 Intelligent solutions that optimise indoor climate and comfort



2 Reduce heating expenses and reap the benefits of an energy-efficient home



3 Intuitive and user-friendly products tailored to your lifestyle

Visit us online for information, support, advice and inspiration at smartheating.danfoss.com



Scan the code to download the app with a demo and see for yourself how easy it is.

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