

Danfoss Link™ and *Danfoss Link™* Connect

Simply smarter radiator heating

Giving your customers the ultimate integrated heating experience has never been easier. With *Danfoss Link™*, you can offer a wireless radiator thermostat system with total control from one central point. What's more, by using the simple and intuitive *Danfoss Link™* App, your customers will be able to remotely control their system from anywhere.

Link up to

30

radiators from one central point.



Giving your customers **total control**

With the latest version of *Danfoss Link™*, your customers have heating control from anywhere, with remote access via the *Danfoss Link™* App – making it as easy to love as it is to work with. *Danfoss Link™* is simply **smarter heating**.

From a single location, *Link™* wirelessly regulates heating throughout the house – perfect for customers who value the ultimate in convenience and modern technology. The latest version of Central Controller has built-in Wi-Fi that enables remote control through the *Link™* App. This includes Connect Thermostat as well as electric or hydronic floor heating systems.

Simple use

The system is designed for simple use – with the intuitive displays in Connect and Central Controller.

Central Controller can control daily heating in each room and allow settings to be adjusted quickly from a single panel. This makes it easy to program a weekly schedule of temperature settings, which saves energy. Using Connect, the temperature can also be changed throughout the house, as desired. It sends a signal to Central

Controller and synchronizes the thermostats in each room.

Energy efficiency

One energy-saving feature is the 'vacation' function. This sets the thermostat to a reduced temperature while the user is away and automatically reverts to the desired temperature at the expected time of return. Another useful feature is the night and day set-back function. This lowers the temperature at night for further energy savings.

Danfoss Link™ Connect Thermostat

Product features

- Pause heating
- 'Valve exercise' function
- PID control
- Battery lifetime up to two years
- Warnings: 'low battery' and 'no signal'
- Variable setback in steps of 0.5°C
- Max./min. limitation
- Child lock
- 'Open-window' detection
- Backlit display

Product names

- *Danfoss Link™* Connect Thermostat RA
- *Danfoss Link™* Connect Thermostat RA & K

Conforms with

- CE
- RoHS
- WEEE

Accessories:

- RAV/RAVL adaptor kit with stuffing box
- RTD adaptor
- M28 adaptors





Danfoss Link™ Central Controller

Product features

- Control heating from one central point
- 'Vacation' function
- Simple user interface
- Color touchscreen
- Weekly heating schedule
- At home mode
- Pause heating
- Control of on/off devices (not via app)
- Integrated help function
- Personalized settings
- Quick / moderate heating regulation functions
- Wi-fi enabled
- Danfoss Link™ App

Product names

- Danfoss Link™ Central Controller w/PSU and Wi-Fi
- Danfoss Link™ Central Controller w/NSU and Wi-Fi

Accessories

- PSU for Central Controller
- NSU for Central Controller
- Danfoss Link™ Battery Pack
- Danfoss Link™ Plug-in Relay
- Danfoss Link™ Hidden Relay
- Danfoss Link™ Room Sensor
- Danfoss Link™ Repeater Unit
- Danfoss Link™ Hydronic Controller, 5/10 outputs

Installation Done

Installing a fully intelligent heating system has never been this easy. Because all *Danfoss Link™* components have been developed and fine-tuned to work perfectly together, installing and commissioning the Central Controller is as simple as it can be.

And when you've done that, our in-app integrated guide and Helpdesk are ready and waiting to help your customers set up Wi-Fi and app control.
Simple. Easy. Done.

Connect Thermostat

Running on two AA alkaline batteries, Connect is simple to install and is compatible with all Danfoss thermostatic valves, as well as non-Danfoss valves. It fits RA, RAV, RAVL, K, RTD and M28.

Simplicity

Central Controller is easy to install too – with either a PSU (in-wall power supply) or an NSU (net supply). You can find a step-by-step guide for installation on linkguide.danfoss.com.

There is no need for either a PC or a cable to link components. Its easy and fast to mount and dismount with just a simple click. Updating the software is done automatically. During system

installation, Central Controller can be made mobile thanks to a battery pack. The battery pack is used as an installer tool.

Danfoss support

You don't have to worry about apps and Wi-Fi connectivity. Our online support is covering your customers' questions or issues about connecting the system at: linkapp.danfoss.com
Simple as that.

Danfoss Link™

for optimum energy efficiency

More technical data:

Danfoss Link™ Connect Thermostat		
Adaptor	RA (code no. 014G0001)	RA & K (code no. 014G4002)
Transmission power	Max 1 mW	
Communication / frequency	Two way communication / 868.42 MHz	
Communication range	Up to 30 m	
Temperature setting range	4 – 28°C, with built-in frost protection	
Control	PID	
Power supply	2 x AA alkaline batteries	
Battery lifetime	Up to 2 years	
Low battery	Visual warning	
Noise level	<30 dBA	
Ambient temp.	0 – 40°C	
Transport temp.	-20 – 65°C	
Measurement: length x diameter	91 x 52 mm	RA 91 x 52 mm / M30 78 x 52 mm
Adaptors also available	RAV/RAVL, RTD, M28	
Conforms with	WEEE, RoHS, CE	

Danfoss Link™ Central Controller	
Operation voltage	15 V DC ±10%
Standby power consumption	Max. 2 W
Screen	3.5" TFT color with touch
Ambient temperature	-10 to +40 °C
Transmission frequency	868.42 MHz
Transmission range in normal buildings	Up to 30 m
Wi-Fi	802.11b, g or n (2.4 GHz)
Max. number of repeaters in a chain	3
Transmission power	Max. 1 mW
IP Class	21
Dimension: height x width x depth	125 mm x 107 mm x 25 mm

	Danfoss Link™ Central Controller PSU	Danfoss Link™ Central Controller NSU
Operation voltage	100 – 250 V AC 50/60 MHz	
Output Voltage	15 V DC ±10%	
Standby power consumption	Max. 0.15 W	0.75 W
Cable length	–	2.5 m
Max. load	10 W	

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