

*living connect*® and Danfoss Link

# Realize the potential of **wireless radiator control**

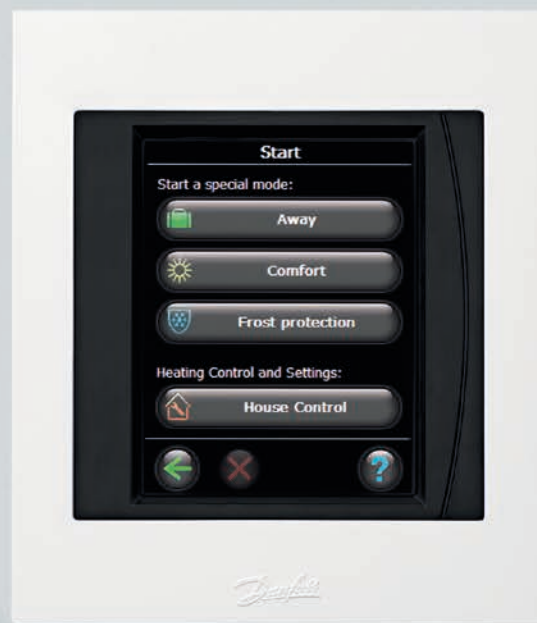
With *living by Danfoss* you can offer a wireless thermostat system with total control from one central point. The *Danfoss Link™ CC* touchscreen controller links together up to 30 *living connect*® thermostats using 2-way wireless technology. It will give you reliable control with accuracy and convenience as the outcome.

With effortless comfort and energy savings, your customers will love it.

Link up to

**30**

radiators from one  
central point.



# living connect® and Danfoss Link

## Excellent wireless control

Danfoss Link™ CC can control living connect® radiator thermostats, floor heating – both electrical and hydronic – and the on/off switches in a house.

### Simple use

The system is designed for simple use – with the intuitive displays in living connect® and Danfoss Link™ CC. Danfoss Link™ CC has a color touchscreen that makes operation very easy.

### Total control

Danfoss Link™ CC 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

living connect®, the temperature can also be changed throughout the house as desired. It sends a signal to Danfoss Link™ CC and synchronizes the thermostats in each room.

### Energy saving

One energy-saving feature is the 'away' 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.

Up to  
**23%**

energy savings  
thanks to intelligent  
heating control.



See how much the families saved in the case stories section at [heating.danfoss.com](http://heating.danfoss.com)

## living connect®

### Product features

- Frost protection
- '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' function
- Backlit display

### Product names

- living connect® RA
- living connect® RA & K

### Conforms with

- CE
- RoHS
- WEEE

### Accessories:

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





## Danfoss Link™ CC

### Product features

- Control heating from one central point
- 'Away' function
- Simple user interface
- Color touchscreen
- Weekly heating schedule
- Comfort mode
- Frost protection
- Control of on/off devices
- Integrated help function
- Personalized settings
- Quick / moderate heating regulation functions

### Product names

- Danfoss Link™ CC w/PSU
- Danfoss Link™ CC w/NSU

### Accessories

- PSU for Danfoss Link™ CC
- NSU for Danfoss Link™ CC
- Danfoss Link™ BSU Battery Pack
- Danfoss Link™ PR Plug-in Relay
- Danfoss Link™ HR Hidden Relay
- Danfoss Link™ RS Room Sensor
- Danfoss Link™ RU Repeater Unit

## Simple and fast installation

Two-way wireless technology makes installation a breeze

Two-way technology enables you to effortlessly link all *living connect*® radiator thermostats from the Danfoss Link™ CC – confident that everything is set up correctly at the same time.

### **living connect**®

Running on two AA alkaline batteries, *living 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**

Danfoss Link™ CC is easy to install too – with either a PSU (in-wall power supply) or an NSU (net supply). There

is no need for either a PC or a cable to link components. Its CLICK/Slide function makes it simple and fast to mount and dismount.

The large full-color display on Danfoss Link™ CC makes installation simplicity itself, with big, clear icons and easy-to-read text on its graphic display. Upgrading the software is easily done using a USB key.

### **Mobility**

During system installation Danfoss Link™ CC can be made mobile thanks to a battery pack. The battery pack is to be used as an installer tool.

### **A+ energy certificate**

*living connect*® was the first electronic thermostat ever to achieve the prestigious A+ energy certificate from eu.bac – [www.eubac.org](http://www.eubac.org)).



# living connect® and Danfoss Link for optimum energy efficiency

More technical data:

<b>living connect®</b>		
Adaptor	RA	RA & K
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	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	RAV/RAVL, RTD, M28	
Conforms with	WEEE, RoHS, CE	

<b>Danfoss Link™ CC</b>	
Operation voltage	15 VDC +/-10%
Standby power consumption	Max. 2 W
Screen	3.5" TFT color touchscreen
Ambient temperature	-10 to +35°C
Transmission frequency	868.42 MHz
Transmission range in normal buildings	Up to 30 m
Max. number of repeaters in a chain	3
Transmission power	Max. 1 mW
IP Class	21
Dimension: height x width x depth	125 x 107 x 25 mm

	<b>Danfoss Link™ CC PSU</b>	<b>Danfoss Link™ CC NSU</b>
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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