

Selected features of Danfoss Link™

To give you an impression of how to install Danfoss Link™ in your customer's house, we have selected a few features for you.



Service Options

This is the main installer menu screen. You can create rooms and add units to these, carry out system settings, update the software, etc.



Configure Room

This screen displays the menu for configuration of each room. Name the room and adjust heating settings.



Room Devices

On this screen you configure the specific rooms. Adding or removing the room sensor and the floor thermostats in the specific room.



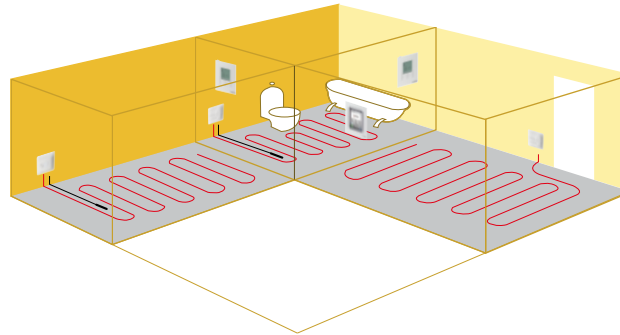
Heating Regulation

Configure heating adjustment for a specific room. Enable or disable forecast regulation, set the regulation type and limit the floor temperature of the room.

A cutting edge solution

– Stylish and timeless design for every home

Danfoss Link™ is innovative intelligence and wireless communication technology on the inside and stylish on the outside with its timeless design. A design created to blend perfectly into any environment, no matter your customer's interior.



Wireless heating control

– The next generation of temperature adjustment

The Danfoss Link™ heating control system is a new and innovative heating control system. The system consists of a centrally placed main Danfoss device used for control of sensors and thermostats throughout the house. This means you can control the temperatures of your entire house from a central controller.



The good news is you can make more money on wireless heating control...

...The bad news is installation takes less time



At Danfoss, we are proud to offer you nothing less than a revolutionary world novelty within electrical floor heating. We call it Danfoss Link™. Wireless heating control with the ability to adjust all room temperatures from one central point in the house. All in all a profitable solution meeting all your needs.

Wireless temperature adjustment – from one central place in the house

The Danfoss Link™ package consists of three individual devices based on a two-way communication system within wireless technology.

Danfoss Link™ Central Controller

The Danfoss Link™ CC (Central Controller) main Danfoss device lets you control the overall indoor heating in each of the rooms in the house. This is the central brain.

Danfoss Link™ Room Sensor

The Danfoss Link™ RS (Room Sensor) is optional and can be placed in each of the rooms you wish to control and adjust based on room temperature. This Danfoss device is battery-operated which

gives your customer the freedom to place it wherever he or she likes it to be.

Danfoss Link™ Floor Thermostat

Finally, the Danfoss Link™ FT (Floor Thermostat) is the relay device, which switches the heating element on and off. Danfoss Link™ FT is connected to the heating mats/cables placed underneath the floor. It communicates wirelessly with both Danfoss Link™ CC and Danfoss Link™ RS. Simply place the Danfoss Link™ FT discreetly above the baseboard. Danfoss Link™ FT fits perfectly in a frame system (ELKO, ELJO and JUSSI) and is therefore easily replaceable with your customers existing thermostats.

Less installation time – Wireless set-up in no time

The entire Danfoss Link™ system is easy to install. State-of-the-art wireless technology requires a minimum of wiring work and is suitable for replacement of older systems. Simply replace the customer's old thermostat with a Danfoss Link™ FT (Floor Thermostat). Please visit www.link.danfoss.com for further guidelines or call +45 76 42 47 00 for a detailed installation guide.

Technical Specifications

Danfoss Link™ CC (Central Controller):	
Operating voltage	15 VDC ±10%
Screen	3.5" TFT color with touch
Ambient temperature	0° to +40°C
Transmission frequency	868.42MHz
Transmission range in normal buildings	Up to 30m
Max. number of repeaters in a chain	3
Transmission power	< 1 mW
IP class	21
Dimensions (Length x Width x Depth)	125 mm x 107 mm x 25 mm
Danfoss Link™ PSU (In-Wall):	
Operation Voltage	100-250 VAC 50/60Hz
Output Voltage	15 VDC ±10%
Danfoss Link™ NSU (Net adapter):	
Operation Voltage	100-240 VAC 50/60Hz
Output Voltage	15 VDC ±10%
Cable length.	2.5m
Danfoss Link™ BSU (Battery Supply Unit):	
Output Voltage	15 VDC ±10%
Number of batteries	10 x AA
Danfoss Link™ FT (Floor Thermostat):	
Operation voltage	180-250 VAC, 50/60 Hz
Relay:	
• Resistive load	230V ~ 15A / 3450W
• Inductive load	cos φ = 0.3 Max. 4A
Sensing unit	NTC 15kOhm at 25°C
Regulation	PWM
Ambient temperature	0° to +30°C
Sensor failure monitoring	The thermostat has a built-in monitoring circuit, which will switch off the heating if the sensor is disconnected or short-circuited
Transmission frequency	868.42MHz
IP class	31
Dimensions (Length x Width x Depth)	85 mm x 85 mm x 21 mm
Danfoss Link™ RS (Room Sensor):	
Battery	Alkaline 2xAA, 1.5V
Battery lifetime	Up to 4-5 years
Backlight	Green LED
Ambient temperature	0° to +40°C
Battery monitoring	The sensor has a built-in monitoring circuit, which will detect low or critical battery level
Transmission frequency	868.42MHz
IP class	21
Dimensions (Length x Width x Depth)	81 mm x 66 mm x 22.5 mm