Danfoss Link™ system overview

Danfoss Link™ CC
From the central controller you can control all the rooms in the house – individually or all at once

Danfoss Link™ FT switches on and off the heating element. Can be combined with an underfloor sensor

Danfoss Link™ RS allows you to adjust the temperature in the rooms individually

Danfoss Link™ heating control features

Simple user interface with touch screen

Plan your vacation and turn down the heat when you are gone or activate “vacation mode” as you leave

Control the daily heating schedule…

…and get an overview of the weekly heating schedule

If problems occur the will be able to help you at all times

Control the entire house from one central controller…

…and set the temperatures individually

Personalize your own Danfoss Link™ system

Danfoss Link™ - Wireless control, comfort and convenience
Danfoss Link™ CC (Central Controller):
- Operating voltage: 15 VDC ±10%
- Standby power consumption: Max. 2W
- Screen: 3.5" TFT color with touch
- Ambient temperature: -10° to +35°C
- Transmission frequency: 868.42MHz
- Transmission range in normal buildings: Up to 30m
- Max. number of repeaters in a chain: 21
- Transmission power: Max. 1 mW
- IP class: 21
- Dimensions (Length x Width x Depth): 125 mm x 107 mm x 25 mm

Danfoss Link™ PSU (Power Supply Unit - In-Wall):
- Operation Voltage: 100-250 VAC 50/60Hz
- Output Voltage: 15 VDC ±10%
- Standby power consumption: Max. 0.15W
- Max. load: 10W

Danfoss Link™ NSU (Net Supply Unit - Adapter):
- Operation Voltage: 100-240 VAC 50/60Hz
- Output Voltage: 15 VDC ±10%
- Cable length: 2.5m
- Max load: 10W

Danfoss Link™ BSU (Battery Supply Unit):
- Operation voltage: 180-250 VAC, 50/60 Hz
- Standby power consumption: Max. 1W
- Relay: Resistive load
- Inductive load: 230V ~ 15A / 3450W
- cos φ = 0.3 Max. 4A
- Sensing unit: NTC 15kOhm at 25°C
- Sensing values: 0˚C, 20˚C, 50˚C
- 42 kOhm, 18 kOhm, 6 kOhm
- Regulation: PWM
- Ambient temperature: -10° to +35°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
- Transmission range in normal buildings: Up to 30m
- Transmission power: Max. 1 mW
- IP class: 31
- Dimensions (Length x Width x Depth): 85 mm x 85 mm x 21 mm

Danfoss Link™ FT (Floor Thermostat):
- Operation voltage: 180-250 VAC, 50/60 Hz
- Standby power consumption: Max. 1W
- Relay:
  - Resistive load: 230V ~ 15A / 3450W
  - Inductive load: cos φ = 0.3 Max. 4A
- Sensing unit: NTC 15kOhm at 25°C
- Sensing values: 0˚C, 20˚C, 50˚C
- 42 kOhm, 18 kOhm, 6 kOhm
- Regulation: PWM
- Ambient temperature: -10° to +35°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
- Transmission range in normal buildings: Up to 30m
- Transmission power: Max. 1 mW
- IP class: 31
- Dimensions (Length x Width x Depth): 81 mm x 66 mm x 22.5 mm

Danfoss Link™ RS (Room Sensor):
- Battery: Alkaline 2xAA, 1.5V
- Battery lifetime: Up to 4.5 years
- Backlight: Screen LED
- Ambient temperature: -10° to +35°C
- Sensor failure monitoring: The sensor has a built-in monitoring circuit, which will detect low or critical battery level
- Transmission frequency: 868.42MHz
- Transmission range in normal buildings: Up to 30m
- Transmission power: Max. 1 mW
- IP class: 21
- Dimensions (Length x Width x Depth): 81 mm x 66 mm x 22.5 mm

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

It is a simple and user friendly system that invites to be used. The user friendliness is supported by the minimalist design without a wealth of confusing buttons. The system is very easy and intuitive to use, but if in doubt there is help available right at your fingertips.

The easy central heating control saves energy, as it is very simple to setup temperature lowering at night, and when going on holiday to lower the temperature in all rooms.

Danfoss Link™ is the heating control system of the future, and it builds on a scalable platform, so that when new requirements arise, the system is built to expand with its needs.

The idea of the Danfoss Link™ is to link together your heating system wirelessly and control it from one central point.