



Thermia Link



Link

Super responsive, for maximum comfort – and even lower energy costs.

With **Thermia Link** connected to your heat pump, you can control the temperature in every room of the house – and you can locate the control panel anywhere in the house. Thermia Link communicates wirelessly with the heat pump and the house's other heating systems. The operation of the heat pump is optimized continuously, further reducing your heating costs.

Using the control unit touchscreen it's easy to set the temperature in every room. You can also create weekly timetables for the different rooms, with different temperatures at different times. For instance you can let Thermia Link reduce the temperature at night, or in the middle of the day when no one is home.

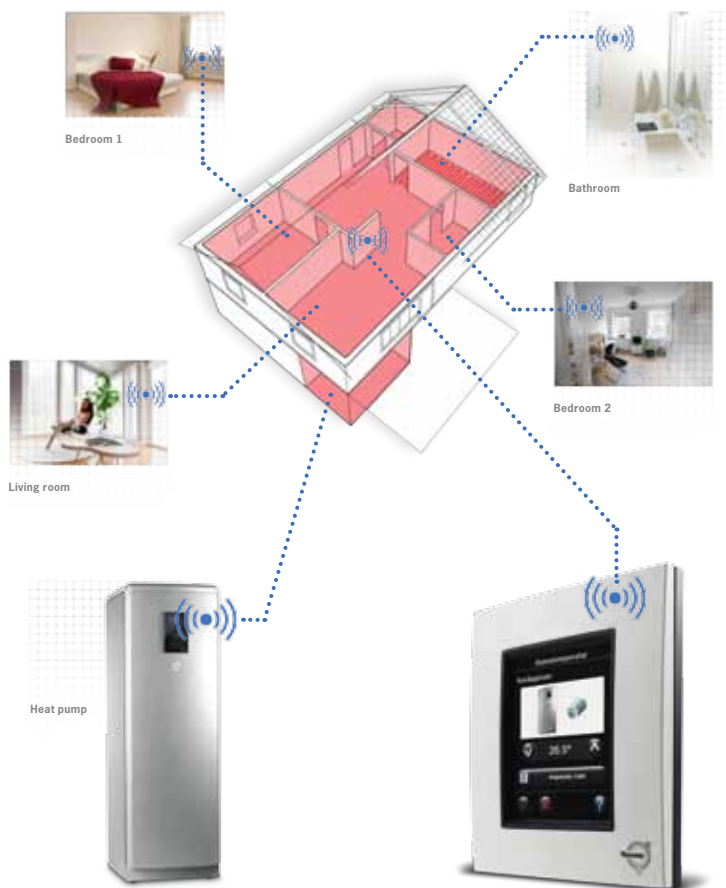
Thermia Link connects every part of the heating system, and continuously sends information to the heat pump about the house's current heating requirements. This enables the heat pump to optimize operation in exact accordance with current conditions, which minimizes energy consumption.

With the "Away" function you can further reduce your energy consumption – by having a lower temperature when you are away for longer periods. You just make a note in the calendar, and Thermia will ensure the house is nice and warm when you return.

Installing Thermia Link is quick and easy. The units are connected wirelessly and begin working together immediately, for a perfect indoor climate and reduced heating costs.



Technical data Link



Thermia Link™ Central Controller

Ambient temp.	-10 to +35°C
Operating voltage	15 VDC ±10%
Power consumption in standby mode	Max 2 W
Display	3.5" TFT colour touchscreen
Signal range (in average building)	Up to 30 m
Max number of repeaters in a chain	3
IP class	21
Dimensions	125x107x25 mm

Thermia Link™ NSU (AC adapter – included)

Operating voltage	100-240 VAC 50/60 Hz
Outgoing voltage	15 VDC ±10%
Power consumption in standby mode	Max 0,75 W
Cable length	2.5 m
Max load	10 W

Thermia Link™ PSU (in wall – accessories)

Operating voltage	100-250 VAC 50/60 Hz
Outgoing voltage	15 VDC ±10%
Power consumption in standby mode	Max 0.15 W
Max load	10 W

Thermia Link – accessories:

Thermia Link is a flexible system that can be adapted to match perfectly with your heating system and your needs. To put together the wireless system, the following components are available.

1 Danfoss Living Connect – Radiator thermostat

- reads the room temperature
- setting of desired room temperature
- ventilation function
- PID controller
- powered by 2 AA batteries
- 2 years between battery changes, visual alert
- max/min limitation
- child lock
- valve exercising
- frost protection
- backlit display



2 Danfoss RS – Room sensor

- reads the room temperature
- setting of desired room temperature
- backlit display
- powered by 2 AA batteries
- 4-5 years between battery changes



3 Danfoss HC – Hydronic Controller

- control unit for hydronic floor heating
- 24 V outputs with LEDs (short-circuit protected)
- easy connection of electricity cables
- control via on/off or PWM (Pulse Width Modulation)
- automatic troubleshooting program with alarm



4 Danfoss FT – Floor Thermostat

- control unit for electric floor heating
- control via on/off



5 Danfoss PR– Plug-in Relay

- capability to control other electrical equipment
- control via on/off



6 Danfoss HR – Hidden Relay

- capability to control other electrical equipment
- control via on/off



7 Repeater (signalförstärkare)

- förstärker och förlänger signalen vid långa avstånd (över 30 meter) eller vid besvärliga förhållanden



Other equipment for Thermia Link:

7 Built-in wall unit for Thermia Link

- Hides the electricity cable and transformer for Thermia Link in the wall.



8 Battery pack

- Used at start-up to connect the various components. (If you purchase the installation, your installer has this accessory.)



Thermia Link can be run without these components, i.e. only connected to the heat pump. However this means that most functions will not operate, such as energy optimization of the heat pump and temperature control of the house's various rooms.