

living connect® radiator thermostat

In the pages that follow we provide a number of tips and instructions regarding the settings you can make in the *Danfoss Link®* system when using your *living connect®* radiator thermostats. By reading through this material you can learn more about the thermostats' functions as well as how to maintain them.

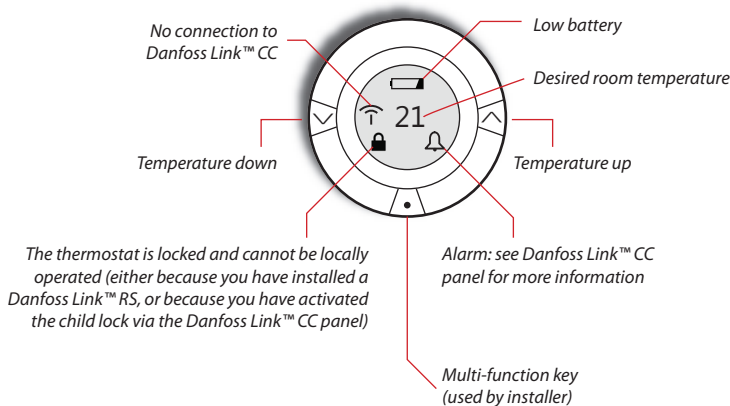


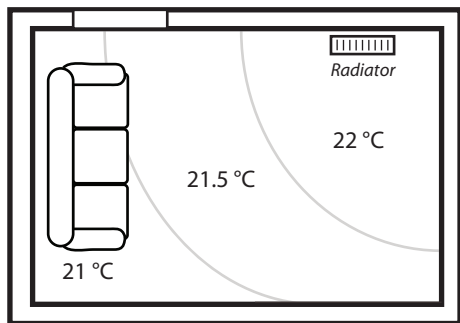
How do living connect® thermostats work?

The thermostat has a tiny, built-in motor that can open and close the radiator's valve with a great degree of precision. The thermostat is also equipped with temperature sensors that are used to control the unit, as well as with a tiny radio that enables it to "speak" with the Danfoss Link™ CC panel.

The *living connect®* display is normally turned off, but it is activated when you press one of the keys (it does this in order to preserve the battery's lifetime, which is normally about 2 years, depending on your patterns of use and the battery's quality).

Overview of display and control buttons





Please note: A radiator emits heat in a relatively local fashion in the room in which it is located. The desired room temperature you set will apply to the immediate area around the radiator.

In larger rooms, or in areas with large, cold surfaces (such as windows or poorly insulated walls), you may find it necessary to experiment a bit to find the temperature that provides the desired level of comfort in the parts of the room you actually use.

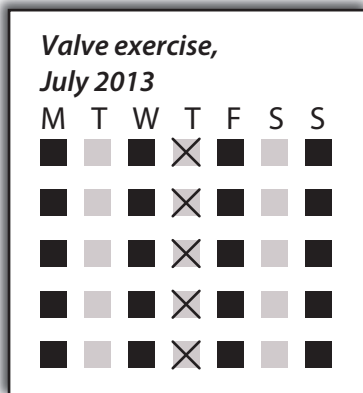
Alternatively, you can install a Danfoss Link™ RS in the room - in the area(s) you actually use - which will assume control of the temperature based on the location in which the sensor is mounted (for more about the use of room sensors, see the section entitled, "**I want to adjust the temperature in one room**").

Automatic valve "exercise" - yet another feature of the living connect®

To secure the heating system's functionality, even after longer periods of not being used, *living connect®* is equipped with a preventive valve "exercise" feature.

This means that the radiators may briefly turn on the heat only to close again shortly thereafter (this only takes a few seconds).

Valve exercise is performed once a week, always on Thursdays at 11 a.m.



What happens when I open a window to ventilate the room?

The *living connect*® thermostats are capable of sensing when you open a window, provided that a couple of requirements are met (see next section).

When the thermostat senses that a window has been opened, it will automatically shut off the heat for 30 minutes, after which the heating in the room will automatically be restarted. The heat will only be turned off in rooms in which the thermostat sends an “open window” notification.

If you have more than one radiator in the same room, only one of the thermostats has to register an open window, after which all the radiators in said room will shut off.

Requirement - when is the “open window” function activated?

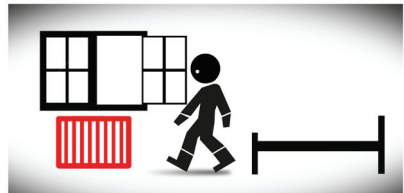
When the *living connect*® thermostat senses a sudden temperature drop, the “open window” function is activated. This means that if the room and outdoor temperatures are nearly identical, then the system will be unable to sense if a window has been opened. This also means that the heating system is inactive and that there is no risk of energy loss resulting from the open window.

Another requirement that enables the open window function to work is that the radiator must be located in the immediate vicinity of the window (which it most often will). If the radiator is located e.g. 10 metres from the window, it may be difficult for the *living connect*® thermostat to sense a clear drop in temperature, which is needed for it to turn off the heat.

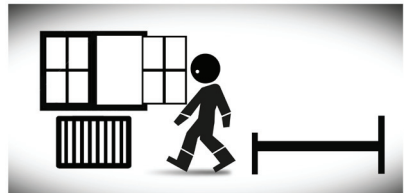
Please note: If you live in a home without a ventilation system, we recommend that you ventilate the entire house twice daily for a minimum of 5 minutes by opening windows in opposite ends of the house. If you have a Danfoss Air ventilation system, then there is of course no need to open your windows.



You get up in the morning and open your bedroom window.



*Fresh, cool air flows in and is detected by the *living connect*® thermostat; shortly thereafter the radiator is certain that **the window is open**, and the thermostat will then shut off the heat.*



A while later, you close the window. The heat will be reactivated in the room no later than 30 minutes after it has been shut off.