

Danfoss
**ECL 9800
Comfort
Controllers**



Danfoss ECL 9800 Comfort Controllers User Guide

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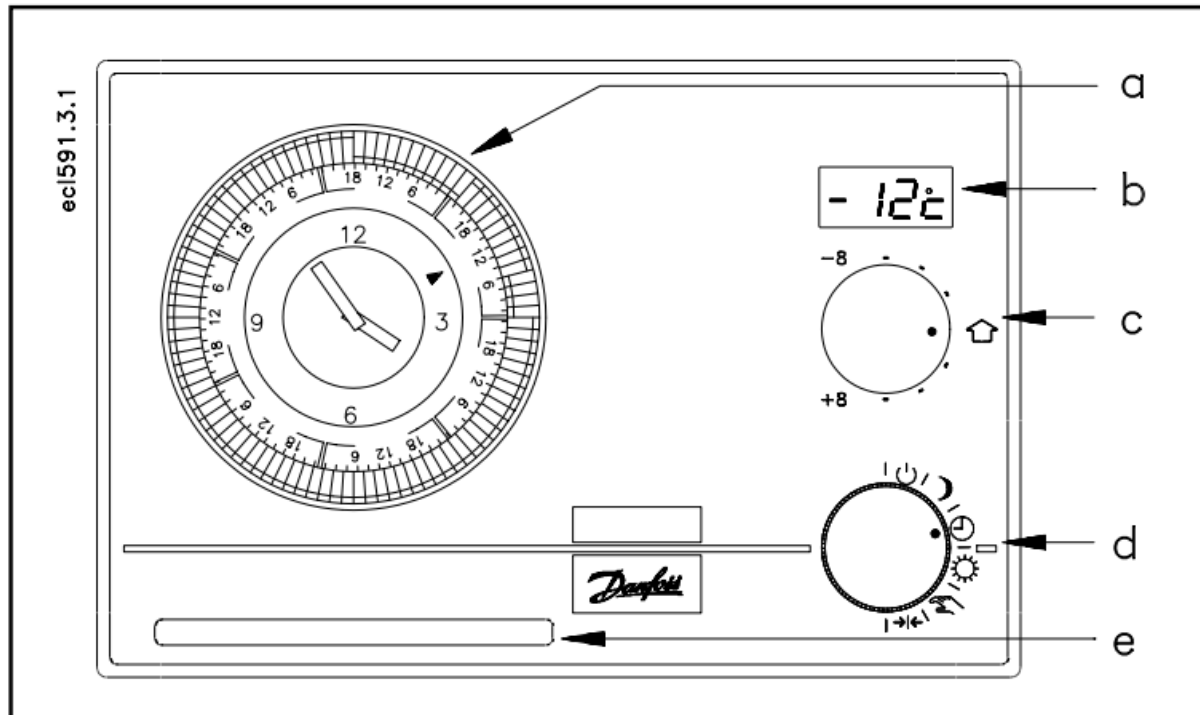
Danfoss ECL 9800 Comfort Controllers



Product Specifications

- **Model:** ECL 9800
- **Version:** VI.76.X6.02
- **Functionality:** Analog time switch, display system temperatures, operation status, and control settings
- **Features:** Heating control, temperature settings, potentiometer settings, heat curve adjustment

Product Usage Instructions



1. Setting analog time switch

Push the riders towards the center for reduced temperature setting. Set week day and/or time opposite the arrow.






2. Display

Display shows system temperatures, operation status and control settings.

3. Temperature setting

- Normal setting: 0
- Turn clockwise (+) and the flow temperature will rise.
- Turn counterclockwise (–) and the flow temperature will fall.

4. Function switch

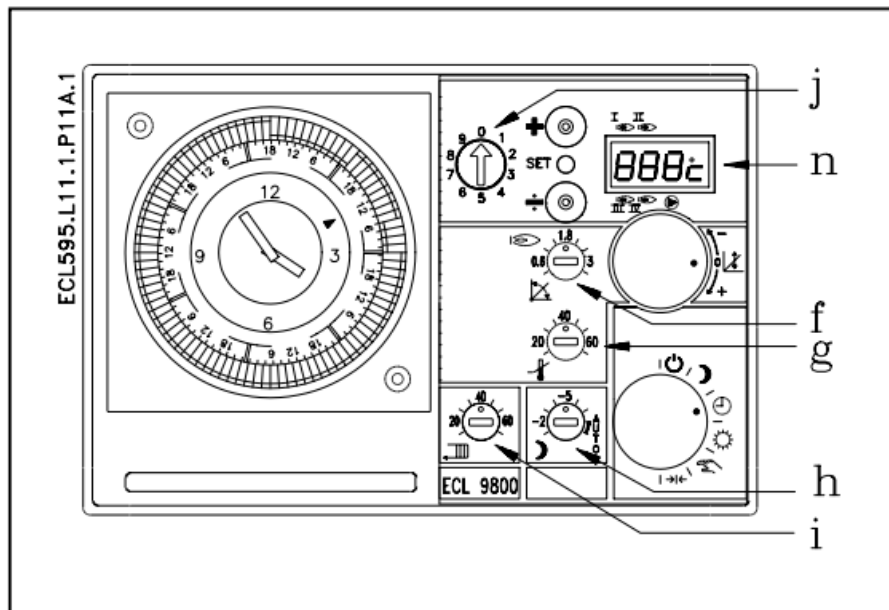
1.  Heating is cut out while frost protection is still active.
2.  Constant reduced temperature
3.  Automatic switch between normal and reduced temperature according to time switch program.
4.  Constant normal temperature
5.  Manual operation. The control is cut out. Boilers can be cut in manually and pump is in constant

operation.

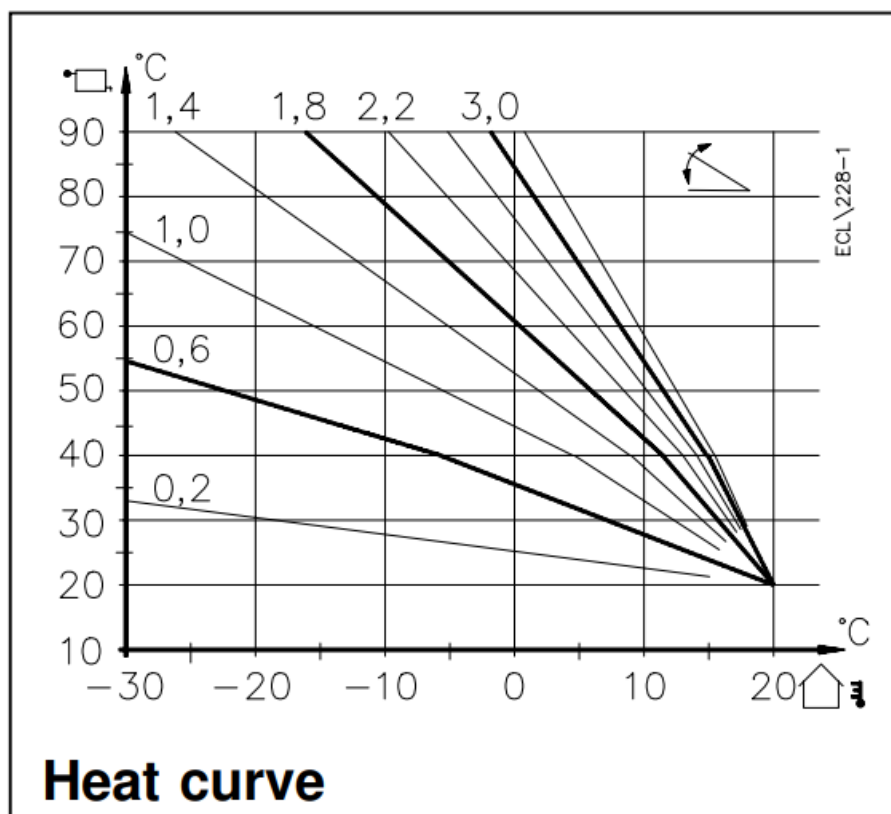
6.  Auxilliary function

Heating system is controlled according to preprogrammed settings.

Potentiometer settings



5. Heat curve slope of boiler circuit



6. Min. flow temperature

7. Reduced temperature

Set the reduced temperature setting in 1-8 for parallel heat curve displacement. Set the reduced temperature setting in "AUTO" for flow temperature increase at reduced outdoor temperatures.

8. Return temperature limitation

9. and n) switch and display

Turn the switch and the display will show system temperatures. Turn the switch to pos. 1 and the display will show outdoor temperature. Turn the switch to pos. 2 and the display will show flow temperature etc. Other

system temperatures, see form below.

System temperatures

- **P0.0** Operation state: boilers and pump
- **P1.0** Outdoor temperature
- **P2.0** Flow temperature
- **P3.0** Option thermometer
- **P4.0** Hot water temperature
- **P5.0** Room temperature
- **P6.0** Return temperature

FAQ

Q: What does the reduced temperature setting do?

A: The reduced temperature setting allows you to set a lower temperature for energy savings or specific operating conditions. You can adjust this setting based on your requirements.

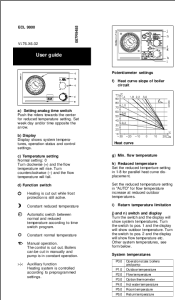
Q: How can I manually operate the heating system?

A: To manually operate the heating system, switch to the Constant normal temperature mode where you can cut in the boilers manually and keep the pump in constant operation.

Q: What is the purpose of the auxiliary function?

A: The auxiliary function controls the heating system based on preprogrammed settings, providing additional flexibility and automation in managing the system.

Documents / Resources



[Danfoss ECL 9800 Comfort Controllers](#) [pdf] User Guide
VI.76.X6.02, 087R9485, ECL 9800 Comfort Controllers, ECL 9800, Comfort Controllers, Controllers

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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