

MAKING MODERN LIVING POSSIBLE

Danfoss



RET1000 B/M/MS

Electronic dial setting thermostat

User Guide

Danfoss Heating

**For a large print version of these instructions
please call Marketing on 0845 121 7400.**

This product complies with the following EC Directives:
Electro-Magnetic Compatibility Directive.
(EMC) (2004/108/EC)
Low Voltage Directive.
(LVD) (2006/95/EC)



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What is a room thermostat?

...an explanation for householders. A room thermostat simply switches the heating system on and off as necessary. It works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.

Turning a room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators.

Neither does the setting affect how quickly the room cools down. Turning a room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy.

The heating system will not work if a timeswitch or programmer has switched it off.

The way to set and use your room thermostat is to find the lowest temperature setting that you are comfortable with, and then leave it alone to do its job. The best way to do this is to set the room thermostat to a low temperature – say 18°C – and then turn it up by one degree each day until you are comfortable with the temperature. You won't have to adjust the thermostat further. Any adjustment above this setting will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators. If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs.

Room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly.

LED Indicators

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Power On – Green (bottom right)

Thermostat output on – Red (top left)

(RET1000B only - to conserve battery power the LEDs will illuminate for 5 seconds after the dial is moved depending on status. In normal conditions the thermostat remains operational. When the battery is low the Power On LED will flash every minute, replace batteries as soon as possible to maintain control of the heating).

Setting the temperature

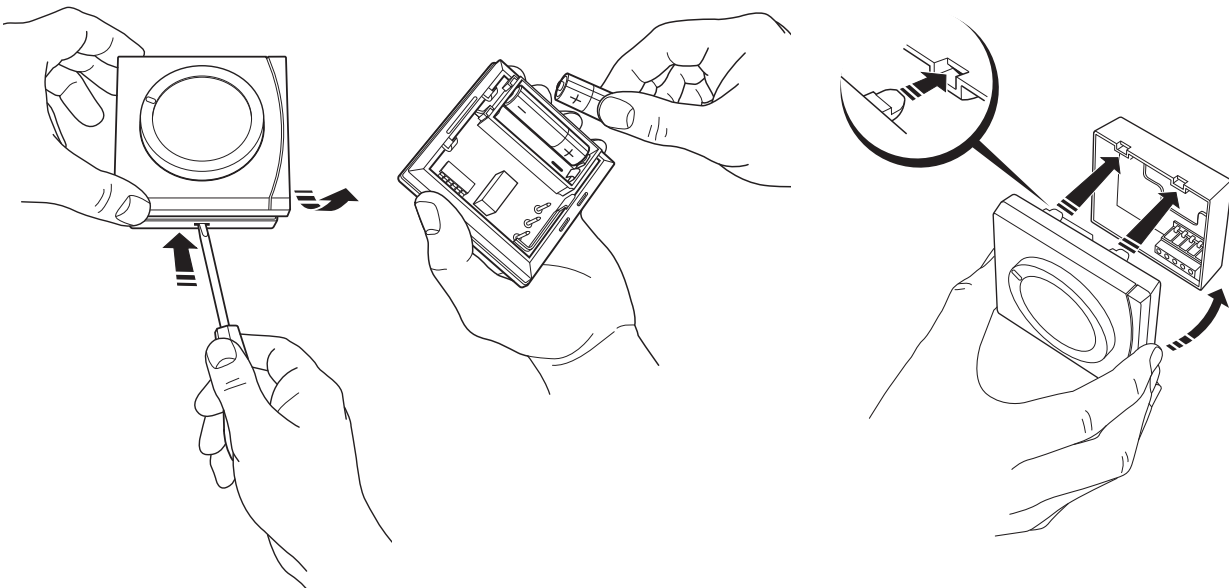
Turn setting dial to required temperature.

For best comfort control initially set the dial to a lower temperature than desired, say 18°C. Then turn it up by one degree each day until a comfortable temperature is reached.

Low Battery Indications (RET1000B)

For battery powered thermostat (RET1000B) when the batteries require replacement the power LED will flash once per minute. Batteries should be replaced within 15 days, after which the thermostat will turn off the load it is controlling. If the power LED does not illuminate when the dial is turned the batteries may have expired and should be replaced immediately to avoid damage to the thermostat

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Danfoss

Danfoss Ltd

Amphill Road
Bedford MK42 9ER

Tel: 01234 364621

Fax: 01234 219705

Email: ukheating@danfoss.com

Website: www.heating.danfoss.co.uk



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