

User Guide

RET2001

Digital Room Thermostat



1 LCD Overview

Symbols	Function description
00:00	Parameter number in setup
	Room temperature
88.8°C	Temperature indication
↓ SET	Set temperature
	Heating active

Symbols	Function description
	Frost protect active
	Away mode
	RF Status (RET2001RF only)
	Battery low indicator (RET2001B & RET2001RF only)



2 Buttons

Symbols	Function description
	Power on/off
M	Mode change / option setting
< >	Temperature / option setting selectors

3 Power ON/OFF

Turn the thermostat ON or OFF (Standby) by pressing .

4 Setting the Temperature

- Press < or > at any time to change the desired temperature value. **SET** is shown in the display.
- When releasing < or >, the display returns to showing the actual temperature.
- The adjustment step is 0.5 °C.

5 Select Away Mode

- Press **M** to enter Away mode and  will be displayed.
- Away mode temperature can be set in parameter settings, P07.
- Press **M** again to exit Away mode.

6 Frost Protection Temperature and Reset

- You can switch the thermostat OFF (Standby) by alternately pressing . In OFF (Standby) mode, the thermostat is set to a Frost Protection temperature setting and will switch On only if the measured temperature falls below this temperature (5 °C by default).
- The frost protect icon and current temperature will be displayed.
- At this point, if the  button is pressed for 10 seconds Continuously then the thermostat will be reset.

7 Set Control Parameters

- Press M button for 6 seconds to enter the parameter setting mode. Press M for parameter selection and set the parameter range via < or >. Complete all adjustments.
- To exit press upper part of setting ring or wait 20 secs for automatic exit.

The digits indicate the set value as follows:

No.	Parameter settings	Settings range	Default
P02	Heat control mode	01: On/off load compensation 02: On/off standard	01
P04	Temperature limit high	Between low (P05) and 35 °C	35 °C
P05	Temperature limit low	Between 5 °C and high (P04)	5 °C
P06	Frost protect temperature	Between 5 °C and 15 °C	5 °C
P07	Away mode temperature	Between low (P05) and high (P04)	18 °C
P10	RF Pairing (RET2001RF only)	00: RF pairing mode off 01: RF pairing mode on	00

8 Error Messages

E1	Sensor failure
EE	EEPROM failure
Lo	Measured temperature below 0 °C
Hi	Measured temperature above 50 °C
E3	RF Pairing failed
E4	RF Signal lost



Danfoss Limited

Heating Segment • heating.danfoss.co.uk • +44 (0)1895 617000 • E-mail: customerservice.uk@danfoss.com

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and all Danfoss logotypes are trademarks of Danfoss A/S. All rights reserved.