SIEMENS

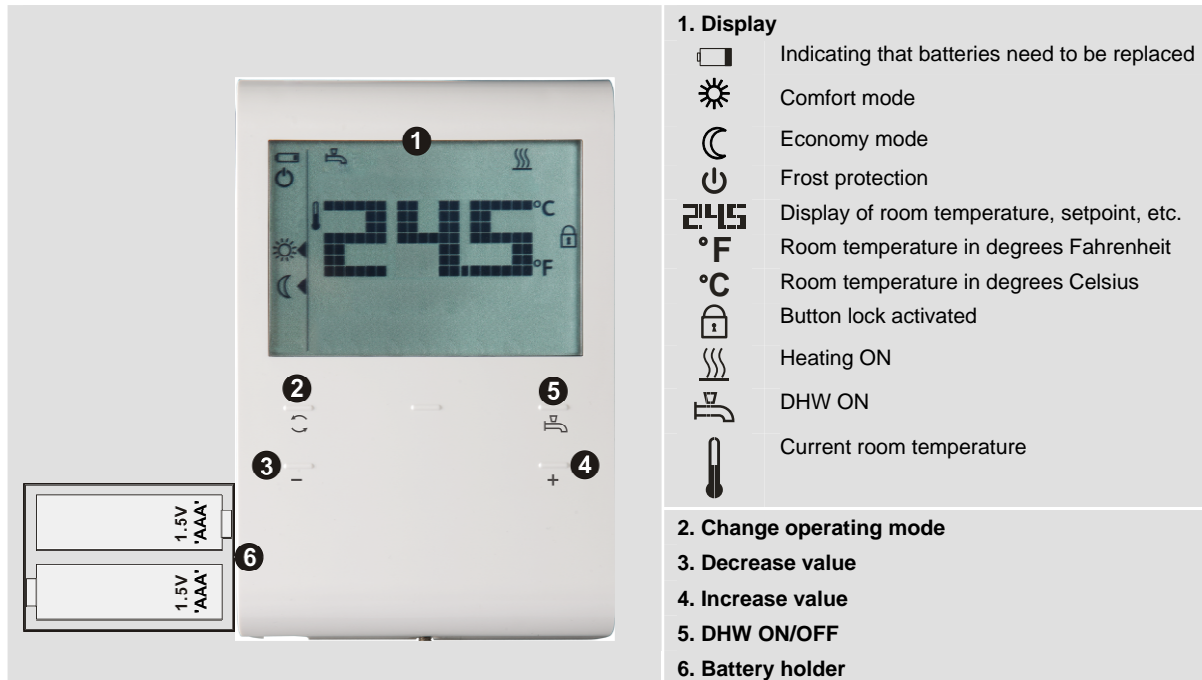**en** **Operating Instructions** **RDD100.1DHW**

RDD100.1DHW is a room thermostat that allows you to set the ideal room temperature at the time you want. In addition, it offers independent control of DHW (Domestic Hot Water).

1. Display

▭	Indicating that batteries need to be replaced
☀	Comfort mode
☾	Economy mode
⏻	Frost protection
245	Display of room temperature, setpoint, etc.
°F	Room temperature in degrees Fahrenheit
°C	Room temperature in degrees Celsius
🔒	Button lock activated
≋	Heating ON
🚰	DHW ON
🌡	Current room temperature

2. Change operating mode
3. Decrease value
4. Increase value
5. DHW ON/OFF
6. Battery holder

Do you want to change the operating mode?

| ↻	The thermostat provides Comfort mode ☀, Economy mode ☾. Changeover between the operating modes can be made manually by pressing ↻.
	Comfort mode is the permanent (24 h) selection of Comfort. Select this mode to maintain Comfort temperature permanently. It is used during occupancy periods, for example.
	Economy mode is the permanent (24 h) selection of Economy. Select this mode to maintain the Economy temperature permanently. It is used during non-occupancy periods, for example at night.
!	**Note:** **Frost protection** is a function always active in the background. As soon the room temperature falls below 5 ºC, the unit automatically activates the heating ≋.

Energy saving tips without sacrificing comfort

• Use Economy mode for long periods of non-occupancy

Do you want to switch on DHW heating?

🚰	• Press 🚰 to switch on DHW heating
	• While DHW heating is switched on, the 🚰 symbol is displayed
	• Press 🚰 again; DHW heating is switched off and the symbol disappears
	DHW can also be switched on/off while frost protection is active.

Are your rooms too warm/too cold?

+ **–** ↻	Press **+** or **–** to increase or decrease the room temperature setpoint in increments of 0.5 ℃ / 1 ℉. Proceed as follows: • Press **+** or **–** to adjust the setpoint temporarily. Press ↻ or ⛝ to save the value or wait for the program to exit automatically. • To permanently modify the temperature setpoints, use parameters P05 and P07. To lock the setpoints, use parameters P06 and P08.

Does symbol ▭ appear on the display?
## (Only with battery-powered version)

Symbol ▭ is displayed when the batteries are low. Replace them with 2 new alkaline batteries type AAA. Proceed as follows:

• Get 2 new alkaline batteries type AAA

• Remove the battery holder, then the batteries, insert the new batteries and, within 1.5 minutes, replace the battery holder

• Ensure the exhausted batteries are disposed of correctly, in compliance with environmental requirements

Do you want to lock the buttons?

↻	Press and hold ↻ for at least 7 seconds to activate a button lock. Repeat to unlock. The unit operates normally when the buttons are locked, but no changes are possible while the buttons are locked.

Do you want to change parameters?

+ **–** ↻	If you want to change control parameters, proceed as follows: • Press **+** and **–** simultaneously for 5 seconds • Release them and parameter "P02" is displayed on the bottom segment • Press **+** or **–** to scroll to the parameter that needs to be adjusted • Press ⛝ to select this parameter • Press **+** or **–** to adjust the value • Press ⛝ to confirm the adjusted value • Select and modify other parameters • Press ↻ to exit the parameters without saving or wait for the program to exit automatically

Parameter list

Parameter no.	Description	Setting range (default)
P02	Selection of ℃ or ℉	1 = ℃ (default) 2 = ℉
P03	Standard temperature display	1 = room temperature (default) 2 = setpoint
P04	Temperature sensor calibration	-3…3 ℃ Step 0.5 ℃ (-6…6 ℉, step 1 ℉) Default: 0 ℃
P05	Comfort setpoint	5…35 ℃, step 0.5 ℃ (41…95 ℉, step 1 ℉) Default: 20 ℃, 68 ℉
P06	Comfort setpoint lock	0 = OFF (default) 1 = ON –> locked according to setting in P05
P07	Economy setpoint	5…35 ℃, step 0.5 ℃ (41…95 ℉, step 1 ℉) Default: 16 ℃, 61 ℉
P08	Economy setpoint lock	0 = OFF (default) 1 = ON –> locked according to setting in P07
P09	Buzzer	0 = OFF 1 = ON (default)
P10	Show frost protection icon	0 = OFF (default) 1 = ON
P21	Button scanning rate for the capacitive buttons Note: a shorter scanning rate means shorter battery life.	0.2 = 0.25 s 0.5 = 0.5 s 1.0 = 1.0 s (default) 1.5 = 1.5 s
P22	Reload factory settings	0 = OFF (default) 1 = reload
P23	Software version information	No adjustment possible