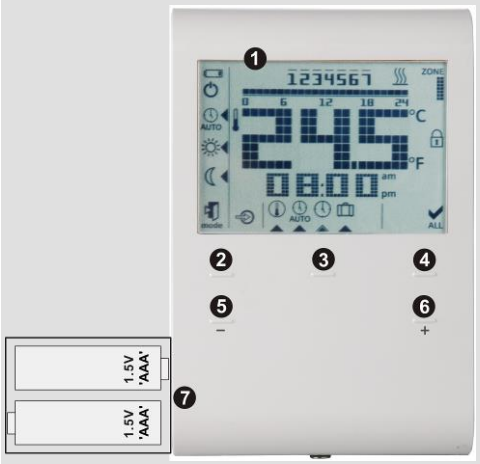
SIEMENS

en Operating Instructions

RDE100.1RF

The RDE100.1RF consists of a wireless room thermostat RDE100.1RF which operates in connection with an RDE-MZ6 receiver. These units allow you to set the ideal room temperature at the time you want.
There are several switching patterns available that can be set to meet your individual needs.



1 Display

	Indicates that batteries need to be replaced	08:00	Time of day
	Frost protection (heating) active	am	Morning: 12-hour format
	Auto Timer mode	pm	Afternoon: 12-hour format
AUTO	View and set Auto Timer	ALL	Confirmation
	Comfort mode	°F	Room temperature in degrees Fahrenheit
	Economy mode	°C	Room temperature in degrees Celsius
mode	Escape		Button lock activated
	External input enabled	245	Room temperature, setpoint, etc
	Permanent setpoint setting	ZONE	Display of zone (default = 1)
	Weekday and time of day setting		Heating On
	Holiday mode setting	1234567	Weekday 1 = Monday Weekday 7 = Sunday
			Timer bar
			Current room temperature

2 Change operating mode

3 Set

4 Ok

5 Decrease value

6 Increase value

7 Battery holder

RDE-MZ6

To be purchased separately

Do you want to set the time of day and the weekday?

Set **Ok** **+** **–** **Mode**	Proceed as follows: • Press **Set** and select ⏲ • Press **Ok** and the time of day flashes for setting • Press **+** or **–** to adjust the time of day • Press **Ok** to confirm • The weekday flashes; press **+** or **–** to select the desired day • Press **Ok** to save the setting • Press **Mode** to exit or wait for the program to exit automatically

Are your rooms too warm/too cold?

+ **–** **Ok** **Set** **Mode**	Press **+** or **–** to increase or decrease the room temperature setpoint in increments of 0.5 °C/1 °F. Proceed as follows: • Press **+** or **–** to change the setpoint temporarily. This readjustment is reset as soon as the operating mode changes • Press **Ok**, **Set** or **Mode** to save the setting or wait for the program to exit automatically • To lock the setpoints, use parameters P06 and P08

Do you want to change the operating mode?

Mode	The thermostat provides Comfort, Economy and automatic mode. Changeover between the operating modes can be made manually by pressing M**ode**. **Comfort mode** is the permanent (24 h) selection of Comfort. Select this operating mode to maintain Comfort temperature permanently without any time switch. It is used during occupancy periods, for example. **Economy mode** is the permanent (24 h) selection of Economy. Select this operating mode to maintain the Economy temperature permanently without any time switch. It is used during non-occupancy periods (e.g. at night). AUTO In **Auto Timer mode**, the operating modes (Comfort, Economy) are changed automatically according to the time switch setting.
!	**Note:** **Frost protection** is a function always active in the background. As soon as the room temperature falls below 5 ºC, the unit automatically activates heating.

Do you want to set permanent temperature setpoints?

Set **Ok** **+** **–** **Mode**	• Press **Set** and select • Press **Ok** to confirm • Press **Mode** to select the operating mode (Comfort or Economy) • Press **+** or **–** to adjust the setpoint permanently • Press **Ok** to confirm • Press **Mode** to exit or wait for a timeout to exit automatically
!	**Note:** This permanent setpoint is used during Auto Timer mode.

Energy saving tips without loss of comfort

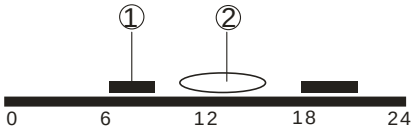
- Select Auto Timer mode for the heating period, and set the time switch according to your normal habits at home
- Select Economy or Holiday mode for longer periods of non-occupancy and the summer period

Do you want to set your Holiday mode?

Set **Ok** **+** **–** **Mode**	Use the Holiday mode to set the thermostat to a constant room temperature while absent**.** • Press **Set** and select • Press **Ok** to confirm • Press **+** or **–** to adjust the temperature setpoint • Press **Ok** to confirm • Press **+** or **–** to set the number of days for holidays (0 = Holiday mode Off) • Press **Ok** to save the setting • When Holiday mode is activated, the remaining days are displayed
!	**Note:** If you press **Mode** while Holiday mode is active, the function is deactivated and symbol disappears. If the Comfort and Economy setpoints are both locked, the lowest locked setpoint is the Holiday mode setpoint. You can adjust the setpoint from 5 ºC up to the lowest locked setpoint.

Do you want to enter your own time switch?

Option 1: Time switch with individual day settings (P11=0)

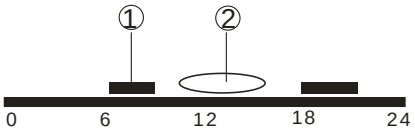
Set **Ok** **+** **–** **Mode**	You can select Comfort or Economy mode in steps of 15 minutes throughout the day. The 0:00 to 24:00 hour time bar allows you to set the operating mode for the selected day(s). Example:  ① Visible bars: Control to Comfort temperature ② Invisible bars: Control to Economy temperature When Auto Timer mode is enabled, changeover between the operating modes is automatic after the settings are saved. Proceed as follows: 1) Press **Set** and select AUTO. 2) Press **Ok** to confirm. 3) Time switch for Mon (1) is displayed. 4) Press **+** or **–** to select the weekday, from Mon(1) to Sun(7). 5) Press **Ok** to confirm the selection and initiate time programming. **During programming**: 6) Press **Mode** to select the operating mode (Comfort or Economy) **or** 7) Press **+** or **–** to set the time in steps of 15 minutes for the selected mode. 8) Press **Ok** to save the time switch. 9) Repeat steps 4-8 for all remaining days (if required) **or** 10) Press **Mode** or wait for the program to exit automatically.

Option 2: Time switch with the same 7-day settings (P11=1)

Set
Ok
+
–
Mode

You can set the time switch so that all settings apply to the 7 weekdays.

Example:



① Visible bars: Control to Comfort temperature

② Invisible bars: Control to Economy temperature

Proceed as follows:

1) Set the parameter (P11=1). Please refer to section "Do you want to change parameters".
2) Press **Set** and select AUTO.
3) Press **Ok** to confirm.
4) Time switch for Mon (1) - Sun (7) is displayed.
5) Press **Ok** to initiate time programming.

During programming:

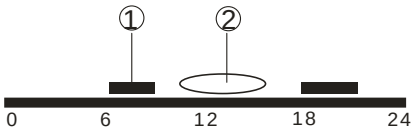
6) Press **Mode** to select the operating mode (Comfort or Economy) **or**
7) Press **+** or **–** to set the time in steps of 15 minutes for the selected mode.
8) Press **Ok** to save the time switch.
9) Press **Mode** or wait for the program to exit automatically.

Option 3: Time switch with 5-2-day settings (P11=2)

Set
Ok
+
–
Mode

You can set Monday - Friday and Saturday - Sunday at the same time.

Example:



① Visible bars: Control to Comfort temperature

② Invisible bars: Control to Economy temperature

Proceed as follows:

1) Set the parameter (P11=2). Please refer to section "Do you want to change parameters".
2) Press **Set** and select AUTO.
3) Press **Ok** to confirm.
4) Time switch for Mon (1) – Fri (5) is displayed.
5) Press **+** or **–** to select Mon (1) – Fri (5) or Sat (6) - Sun (7).
6) Press **Ok** to confirm the selected period and initiate time programming.

During programming:

7) Press **Mode** to select the operating mode (Comfort or Economy) **or**
8) Press **+** or **–** to set the time in steps of 15 minutes for the selected mode.
9) Press **Ok** to save the time switch.
10) Repeat steps 5-9 for the other period if necessary **or**
11) Press **Mode** or wait for the program to exit automatically.

Factory default of 7-day time switch

Default value	Day/s	Comfort mode	Economy mode
	Mo (1) – Fr (5)	6:00 – 8:00 hr 17:00 – 22:00 hr	22:00 – 6:00 hr 8:00 – 17:00 hr
	Sa (6) – Su (7)	7:00 – 22:00 hr	22:00 – 7:00 hr

Does symbol appear on the display?

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 and 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?

Mode	Press and hold **Mode** for at least 7 seconds to activate a button lock. Repeat to unlock. The unit operates normally when the buttons are locked, but changes cannot be made.

Do you want to pair transmitter and receiver?

+ **–** **Learn** **Mode**	Please refer to the instructions that come with the receiver.

Do you want to change the parameters?

+ **–** **Ok** **Mode**	If you want to change control parameters, proceed as follows: • Press **+** and **–** simultaneously for 5 seconds • Release the buttons and parameter P01 is displayed on the bottom segment • Press **+** or **–** to scroll to the parameter that needs to be changed • Press **Ok** to select the parameter • Press **+** or **–** to change the value • Press **Ok** to confirm the changed value • Press **Mode** to exit the parameters without saving or wait for the program to exit automatically

Parameter list

Parameter no.	Description	Setting range (default)
P01	Time format	1 = 24:00 hours (default) 2 = 12:00 am/pm
P02	Selection of °C or °F	1 = °C (default) 2 = °F
P03	Standard temperature display	1 = room temperature (default) 2 = setpoint
P04	Temperature sensor calibration	-3…3 °C Step 0.5 °C (-6…6 °F, step 1 °F) Default: 0 °C
P06	Comfort setpoint lock	0 = OFF (default) 1 = ON → locked according to setting in permanent temperature setpoint
P08	Economy setpoint lock	0 = OFF (default) 1 = ON → locked according to setting in permanent temperature setpoint
P09	Buzzer	0 = OFF 1 = ON (default)
P10	Show frost protection icon	0 = OFF (default) 1 = ON
P11	Time switch type for Auto Timer	0 = individual days (default) 1= all 7 days 2= 5-2 days
P12	Periodic pump run	0 = OFF (default) 1 = ON
P14	X1 external input	0 = no input (default) 1 = external sensor 2 = digital input
P15	Temperature limitation	0 = OFF (default) 1 = ON
P16	Max. limitation temperature for floor heating	25…60 °C, step 1 °C or 77…140 °F, step 1 °F Default: 30 °C
P17	Window contact features	0 = normally open contact (default) 1 = normally closed contact
P19	Sequential number of room unit	0 = no display of zone (RF off) 1 = zone number 1 (for standard RF) (default) … 6 = zone number 6
P20	RF learn	0 = OFF (default) 1 = ON
P21	Scanning rate for the capacitive buttons Note: 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
P78	Control behavior	0 = On/Off, 1.0K 1 = On/Off, 0.3K 2 = TPI fast 3 = TPI medium 4 = TPI slow (default)
P89	Forward shift on max	0, 0.5,…24 h Default: 0 h
P90	Early shutdown max	0, 0.5,…6 h Default: 0 h