

Do you want to pair transmitter and receiver?

Learn Mode

The RDE100.1FPRF communicates with the RCR100FPRF at a frequency of 433 MHz. To pair transmitter and receiver(s), proceed as follows:

RCR100FPRF receiver(s) setting:

- Press and hold the **LEARN** button on the receiver for at least 3 seconds and release it.
- The red and green LEDs flash alternately to indicate the receiver is in learning mode.

RDE100.1FPRF transmitter setting:

- On the transmitter, press **+** or **-** to select the zone that you wish to do the learning.
- Enter the parameter settings (refer to section "Do you want to change parameters?").
- Proceed to parameter P20. Press **Ok** and parameter P20=0 (OFF) flashes. Adjust the value by pressing **+** to change to P20=1 (ON); then press **Ok** to confirm.
- During the stages of wireless learning, the LCD displays "rF" and "Lrn". Wait for time out and the transmitter exits the parameter settings.

Successful wireless learning:

- The green LED on the RCR100FPRF flashes for 10 minutes to indicate that the RCR100FPRF has successfully completed wireless learning.

If you want to pair other receiver(s) for another zone:

- Repeat steps 1 to 7 and select a new zone on the transmitter in step 3.

Recommendation:

- Additional test to ensure the wireless signal is fine:**
On the RDE100.1FPRF, select the respective zone and change the operating mode by pressing **Mode**.
On the RCR100FPRF, the green LED should flash for 3 seconds before turning to constantly green.
At the same time, observe your radiator, boiler or heater indication (if it has one) that it has changed the operating mode.

- If step 7 or 9 is working fine, the units have been successfully paired.

Unsuccessful wireless learning:

- If the RCR100FPRF fails to receive wireless data, the red LED starts to flash**.
- Repeat steps 1 to 7 until pairing is successful.

Note:
Always start the receiver's learning before starting pairing with the transmitter.
The units must be placed such that transmitter and received signals have limited external wireless interference.
**In normal operation, if a drop in wireless communication occurs due to unforeseeable noise, just leave the receiver and it will recover automatically.
The pairs are saved even if there is a power shut down. Communication restarts automatically after several minutes without any action by the user.

Do you want to change parameters?

Ok Mode

If you want to change control parameters, proceed as follows:

- Press **+** and **-** simultaneously for 5 seconds
- Release them 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 adjust the value
- Press **Ok** to confirm
- Press **Mode** to exit the parameters without saving or wait for the program to exit automatically

Parameter list

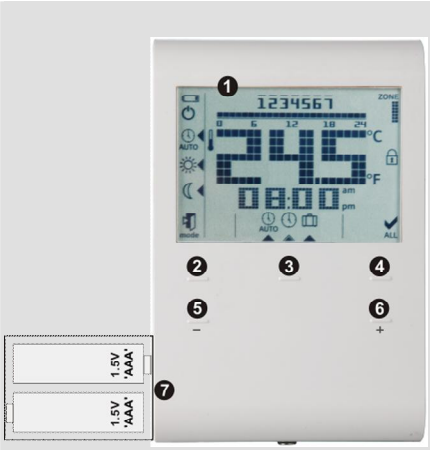
Parameter No.	Description	Setting range (default)
P01	Time format	1 = 24:00 hours (default) 2 = 12:00 am/pm
P02	Selection of °C or °F	1 = °C (default) 2 = °F
P04	Temperature sensor calibration	-3...3 °C Step 0.5 °C (-6...6 °F, step 1 °F) Default: 0 °C
P09	Buzzer	0 = OFF 1 = ON (default)
P11	Time switch type for Auto Timer	0 = Individual days (default) 1 = all 7 days 2 = 5-2 days
P18	"Fil Pilote" zones	1 = zone 1 enable 2 = zone 1 and 2 enable 3 = zone 1, 2 and 3 enable (default)
P20	RF learn	0 = OFF (default) 1 = ON
P21	Button 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

Receiver's LED indication

State of receiver	State of LED
Power up (or reset)	The red and green LEDs flash alternately for 5 seconds and then change to constantly red. Note: If the receiver was programmed before, it will immediately turn to constantly red.
Learning mode	The red and green LEDs flash alternately.
Successful learning mode	If learning was successful, the green LED will flash for 10 minutes.
Signal ok and output status change	The green LED is lit. If the output state is changed, the green LED flashes for 3 seconds and then changes back to constantly green.
Fail to receive wireless data	If the RCR100FPRF fails to receive wireless data, the red LED will start to flash after 125 minutes. If the RCR100FPRF signal is recovered, it will resume the previous LED state.

The RDE100.1FPRFS consists of a wireless programmer RDE100.1FPRF with 3 "Fil Pilote" zones and an RCR100FPRF receiver. These units allow you to select Comfort or Economy mode for different zones at any time. There are several switching patterns available that can be set to meet individual needs.

Note: - The Comfort setpoint must be set directly on each radiator's thermostat
- The radiator's operating mode must be set to "Automatic"



1 Display

- Batteries need to be replaced
- Stop mode
- Auto Timer mode
View and set Auto Timer
- Comfort mode
- Economy mode
- Escape
- Setting of weekday and time of day
- Holiday mode setting
- Time of day

2 Change operating mode

3 Set

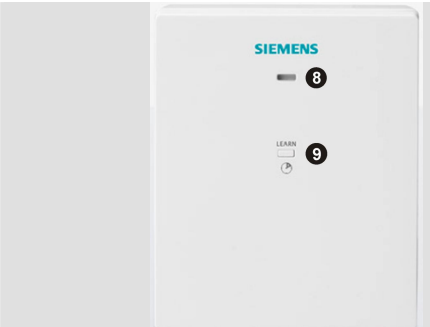
4 Ok

5 Decrease zone value

6 Increase zone value

7 Battery holder

- am Morning: 12-hour format
- pm Afternoon: 12-hour format
- Confirmation
- Room temperature in degrees Fahrenheit
- Room temperature in degrees Celsius
- Button lock activated
- Room temperature
- Display of zone
- Weekday 1 = Monday
- Weekday 7 = Sunday
- Timer bar
- Current room temperature



8 Indication of data transmission and operating state (LED)

9 Initialization of wireless communication with transmitter (LEARN button)

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

Set	Proceed as follows:
Ok	<ul style="list-style-type: none"> Press Set and select ⌚
+	<ul style="list-style-type: none"> Press Ok and the time of day flashes for setting
-	<ul style="list-style-type: none"> Press + or - to set the time of day
Mode	<ul style="list-style-type: none"> Press Ok to confirm Weekday flashes; press + or - to select the weekday Press Ok to save Press Mode to exit or wait for a timeout to exit automatically

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.
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Do you want to change the operating mode?

Mode
+
-
Mode

For each zone (1, 2 or 3), the unit allows you to select Comfort, Economy or automatic mode.

Press **+** or **-** to select zone 1, 2 or 3; then, select the operating mode using the **Mode** button.

Comfort mode is a permanent (24 h) selection of Comfort. Select this operating mode when you want to maintain the Comfort temperature without time switch (e.g. during occupancy periods).

Economy mode is the permanent (24 h) selection of Economy. Select this operating mode to maintain the Economy temperature without time switch (e.g. during the summer when heating is Off). It is used for non-occupancy periods (e.g. at night).

In **Auto Timer mode**, the operating modes (Comfort, Economy) are changed automatically according to the time switch settings.

Note:
 Stop mode is a special mode when all "Fil Pilote" stop signals are sent to all valid and active zones. During Stop mode, you can only do 2 tasks, either make parameter settings or set the weekday and the time of day. When Stop mode is enabled, the zone number disappears.

You can enable the number of zones via parameter settings (P18); the default value is 3.

Do you want to set your Holiday mode?

Set Ok
+
-
Mode

You can enable Holiday mode for all zones during your absence. The radiator managed by the programmer controls the room temperature with the Protection setpoint.

- Press **Set** and select
- Press **Ok** to confirm
- Press **+** or **-** to set the number of days you are absent (0 = Holiday mode Off)
- Press **Ok** to save
- Once Holiday mode is activated, the remaining days are shown on the display

Note:
If you press **Mode** while Holiday mode is active, the function is deactivated and symbol disappears.

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 during the summer

Do you want to enter your own time switch?

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

Set Ok
+
-
Mode

For the selected zone, you can select Comfort or Economy mode in 15-minute steps throughout the day. The 0:00 to 24:00 hour time bar allows you to select the operating mode for the respective day(s).

Example:

① Visible segments: Control to Comfort temperature
② Invisible segments: Control to Economy temperature

Once the settings are saved, changeover between the operating modes takes place automatically when Auto Timer mode is enabled.

Proceed as follows:

- Press **+** or **-** to select the zone.
- Press **Set** and select .
- Press **Ok** to confirm.
- Time switch for Mon (1) is shown.
- Press **+** or **-** to select the day, from Mon (1) to Sun (7).
- Press **Ok** to confirm the selection and initiate time programming.

During programming:

- Press **Mode** to select the operating mode (Comfort or Economy) **or**
- Press **+** or **-** to set the time of day in 15-minute steps for the selected operating mode.
- Press **Ok** to save the time switch.
- Repeat steps 5-9 for the remaining days (if required); otherwise
- Press **Mode** or wait for a timeout to exit automatically.

Note:
Repeat the above steps to program the remaining zones.

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 segments: Control to Comfort temperature
② Invisible segments: Control to Economy temperature

Proceed as follows:

- Press **+** or **-** to select the zone.
- Set the parameter (P11=1). Please refer to section "Do you want to change parameters?".
- Press **Set** and select .
- Press **Ok** to confirm.
- Time switch for Mon (1) – Sun (7) is shown.
- Press **Ok** to initiate time programming.

During programming:

- Press **Mode** to select the operating mode (Comfort or Economy) **or**
- Press **+** or **-** to set the time of day in 15-minute steps for the selected operating mode.
- Press **Ok** to save the settings.
- Press **Mode** or wait for a timeout to exit automatically.

Note:
Repeat the above steps to program the remaining zones.

Information on the "Fil Pilote" standard – setpoints

The RDE100.1FPRF is a programmer used to manage the operating modes.

The setpoints are managed by your electrical radiators or heaters.

→ Please refer to the respective Operating Instructions.

According to the "Fil Pilote" standard:

The **Comfort setpoints** must be set directly on the thermostat of the electrical radiator or heater.

The **Economy setpoint** is 3 °C below the Comfort setpoint.

The **Protection setpoint** is fixed at 7 or 8 °C.

RED regulation

RDE100.1FPRF:

- Operating frequency: 433 MHz
- Maximum Radio-Frequency power: -1.25dBm

Siemens Switzerland Ltd. declares that the radio equipment type RDE100.1 FPRFS is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at www.siemens.com/download?A6V10403583.

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 segments: Control to Comfort temperature
② Invisible segments: Control to Economy temperature

Proceed as follows:

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

During programming:

- Press **Mode** to select the operating mode (Comfort or Economy), **or**
- Press **+** or **-** to set the time of day in 15-minute steps for the selected operating mode.
- Press **Ok** to save the settings.
- Repeat steps 6-10 for the other period if necessary; otherwise
- Press **Mode** or wait for a timeout to exit automatically.

Note:
Repeat the above steps to program the remaining zones.

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, 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