SIEMENS

## Operating instructions RDJ100RF/SET

The RDJ100RF/SET consists of a RDJ100RF wireless temperature controller and a RCR100/433 receiver. The RDJ100RF allows you to set the desired room temperature (setpoint) for the desired time. The unit features an ergonomic setting knob for easy temperature control.

Language tabs: DE, EN, FR, IT, NL, ES, PT, CS, HU, PL, SV, FI, ZH, TR, EL, RO, DA, BG

Display

🏠	Actual room temperature in ºC		▲	Indicates when heating is demanded
T☼	The unit controls to the selected comfort temperature		🔋	Replace batteries
T☾	The unit controls to the selected energy saving temperature		⏻	Frost protection: The unit controls continuously to the frost protection temperature at 5°C
T⏻	The unit controls to the frost protection temperature at 5 ºC		☾	Energy saving mode: The unit controls continuously to the energy saving temperature
✋	Indicates when the temperature setpoint was changed by the user. This setpoint will be maintained until the next switching time. This function is only active in automatic mode and comfort mode		☼	Comfort mode: The unit controls continuously to comfort temperature
			⏲ AUTO	Automatic mode: The unit controls to the selected time and temperature programs.

Setting knob
Warmer / colder for selecting the temperature

Battery compartment
2 alkaline batteries type AA, 1.5 V

Operating mode selector
This silder determines how the thermostat operates

AUTO	Automatic mode: In this position the thermostat switches at the programmed times and temperatures
☼	In this position the thermostat ignores all programmed times and runs permanently at the temperature set in T☼
☾	In this position the thermostat ignores all programmed times and runs permanently at the temperature set in T☾
⏻	Frost protection Thermostat runs permanently at 5°c

Advance button

Switches the operating mode from comfort to energy saving, or vice versa, until the next switching time in automatic mode

Programming selector

⏲	Time setting position
A1	First switch on time
A2	First switch off time
A3	Second switch on time
A4	Second switch off time
T☼	Comfort (ON) temperature setting
T☾	Energy saving (OFF) temperature setting
RUN	Set the controller to RUN after programming is completed

Commission
- Remove the black transit tabs from the alkaline batteries.
- Check to see if the battery compartment is in the correct position.
- If no batteries are inserted, fit 2 alkaline batteries type AA in the battery compartment.

Set clock
1. Move the programming selector to position ⏲
2. The current time setting flashes.
3. Turn the setting knob counterclockwise - to decrease the time, or clockwise + to increase the time.
4. When the correct time is displayed move the programming selector to any other position to confirm your setting.

Display shows: 21.5°C 20:07h

Set the first switch-on time (first comfort time)
1. Set the programming selector to position A1. The setting for the first switch on time flashes.
2. Turn the setting knob counter clockwise **-** to decrease the time, or clockwise **+** to increase the time.
3. When the required switch on time is displayed, move the programming selector to any other position to confirm the setting.

Display shows: A1 6:30h PROG 1st ON

Set the first switch-off time (first energy saving time)

A2
8:30ₕ
PROG   1st   OFF

1. Set the programming selector to position A2. The setting for the first switch off time flashes.
2. Turn the setting knob counterclockwise **-** to decrease the time or clockwise **+** to increase the time.
3. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.

Set the second switch-on time (second comfort time)

A3
17:00ₕ
PROG   2nd ON

1. Set the programming selector to position A3. The setting for the second switch on time flashes.
2. Turn the setting knob counterclockwise **-** to decrease the time or clockwise **+** to increase the time.
3. When the required switch on time is displayed, move the programming selector to any other position to confirm the setting.

Set the second switch-off time (second energy saving time)

A4
22:00ₕ
PROG   2nd   OFF

1. Set the programming selector to position A4. The setting for the second switch off time flashes.
2. Turn the setting knob counterclockwise to decrease the time, or clockwise **+** to increase the time.
3. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.

Set comfort temperature

$T \ast$
20.0 °C
PROG

1. Set the programming selector to position $T\ast$.
2. The setting for the current comfort temperature flashes.
3. Turn the setting knob counterclockwise **-** to decrease the temperature setting, or clockwise to increase the temperature setting.
4. When the required comfort temperature is displayed, move the programming selector to any other position to confirm the setting.

Set energy saving temperature

$T\,(\!\!(\,$
10.0 °C
PROG

1. Set the programming selector to position $T\,(\!\!(\,$.
2. The setting for the current energy saving temperature flashes.
3. Turn the setting knob counterclockwise **-** to decrease the temperature setting or clockwise **+** to increase the temperature setting.
4. When the required energy saving temperature is displayed, move the programming selector to any other position to confirm the setting.
   Note: Set the controller to RUN when all programming is completed.

Change current setpoint temporarily

$T\ast$
20.0 °C
AUTO   1st   OFF

1. The current programmed temperature can be changed temporarily when the operating mode selector is in the AUTO position and the programming selector in the RUN position.
2. Turn the setting knob slightly in either direction to display the current programmed temperature, turn it counterclockwise to decrease the temperature, or clockwise to increase the temperature.
3. This new temperature is maintained until the next switching time. The hand symbol is displayed when activated.

Setting the temporary comfort temperature

20.0 °C
$\ast$ **18:00ₕ**

1. Turn the setting knob counter-clockwise or clockwise to adjust the desired temperature when the operating mode selector is set to Comfort mode (temporary override of Comfort temperature).
2. The temporary override of the Comfort temperature is cancelled when the operating mode changes.

Changing the batteries

1. Get 2 new alkaline batteries type AA, 1.5 V.
2. Within 1 minute: pull out the battery compartment and remove the batteries, then insert new batteries and replace the battery compartment.
   The old, set values must be checked!
3. Properly dispose of old batteries per environmental regulations.

Front View Receiver
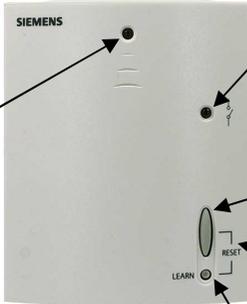
LED Signal Indicator

LED Relay Indicator

The signal is good when the LED is solid green.
A solid red LED indicates that there is no signal.

Orange LED indicates relay is on.

OVERRIDE Button *

Press this button to manually switch on or off

* Note: When pressing OVERRIDE, the RF data will not affect the output within 15 min. After 15 min, the output and LED will not change if no RF is received. If RF is received, the output and LED will follow the RF data.

RESET: Press the LEARN & OVERRIDE button for 4 seconds to delete all transmitter addresses.

LEARN Button

Press the button to put into learn mode

Rear View Room Unit
(Transmitter)

Mounting plate must be removed to get access to the back!
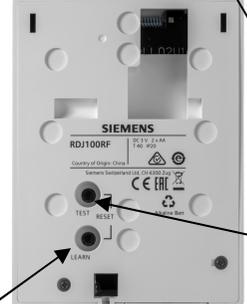
Learn Button
Press and then release to learn telegram   Press > 5 s to enter parameter mode

TEST Button

Used for testing transmission.

Configuration instructions for the Siemens RDJ100RF/SET

The transmitter RDJ100RF and the receiver RCR100/433 are set to communicate (paired) with each other at the factory. If they fail it is necessary to re-pair the units due to the loss of communication, please follow the below instructions.

1. Reset receiver by simultaneously pressing the LEARN & OVERRIDE button for 4 seconds.
2. Press and release the LEARN button. This sets the receiver to the learn mode.
3. Press and release the LEARN button on the back of the transmitter.
4. A green flashing or solid LED indicates a good signal, a red flashing or solid LED indicates no signal.
5. To test transmission, press the TEST button on the transmitter, switches the relay on in the receiver regardless of temperature. The RF TEST symbol appears on the thermostat display.
6. An orange LED indicates that the relay is on.

Energy saving tips without sacrificing comfort

- Do not allow room temperatures to exceed 21 ºC.

NOTE: You can press the OVERRIDE button on the receiver to manually switch ON/OFF for a faulty room unit or transmission protocol.

Service interval reminder

The Service interval reminder function is an aid to carry out a safety check on your boiler at regular intervals. This function will be enabled and reset by a service professional.

SEr 23d	Once the display shows alternating "SEr" and days until service is due, then the boiler service need to be arranged accordingly. The days until next service is due can also be seen whenever switching to and from Frost protection.
duE	Display shows alternating "SEr...duE" indicates that the service day has expired. Thermostat can still be fully operated but warning remains until boiler service is done.
SEr OFF	Display shows alternating "SEr...duE" and "OFF" indicates that the service day has expired and the thermostat is switched off. The thermostat can only be operated in Comfort mode for 60 minutes whenever turning the knob or pressing the advance button.

Parameter setting

5 s

P01 4

End

Parameter setting mode
1. Press LEARN on the rear for 5 seconds until "P01" appears.
2. Press advance button and the parameter value on second line flashes and is ready for adjustment.
3. Adjust the parameter using setting knob.
4. Press advance button once to confirm the setting.
5. Rotate the setting knob clockwise to next parameter and repeat steps 2 to 4.
6. Exit parameter setting mode by rotating the setting knob clockwise to "End" and pressing advance button once.

Parameters:
- **P01** Control behaviour: 2-position 1K / 2-position 0.5 K / PID fast / PID slow (factory-setting)
- **P02** Maximum temperature range
- **P03** Minimum temperature range