

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.

Display	
	Actual room temperature in °C
	The unit controls to the selected comfort temperature
	The unit controls to the selected energy saving temperature
	The unit controls to the frost protection temperature at 5 °C
	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
	Indicates when heating is demanded
	Replace batteries
	Frost protection: The unit controls continuously to the frost protection temperature at 5 °C
	Energy saving mode: The unit controls continuously to the energy saving temperature
	Comfort mode: The unit controls continuously to comfort temperature
	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

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
	Comfort (ON) temperature setting
	Energy saving (OFF) temperature setting
RUN	Set the controller to RUN after programming is completed

Operating mode selector
This slider 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
	In this position the thermostat ignores all programmed times and runs permanently at the temperature set in
	Frost protection Thermostat runs permanently at 5 °C

Advance button

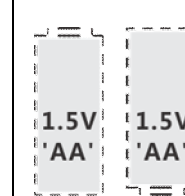
Switches the operating mode from comfort to energy saving, or vice versa, until the next switching time in automatic mode

Introduction

This leaflet provides you easy-to-follow instructions to set-up your RDJ100RF programmable room thermostat.

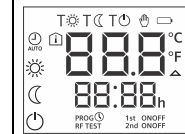
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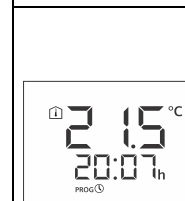
Commission

- 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.



Initial power-up

Once batteries are inserted, all symbols are displayed as shown for around 2 seconds.



Set clock





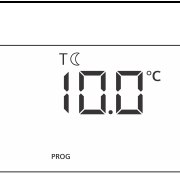


- Move the programming selector to position .
- The current time setting flashes.
- Turn the setting knob counterclockwise - to decrease the time, or clockwise + to increase the time.
- When the correct time is displayed move the programming selector to any other position to confirm your setting.



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

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


- DE
- EN
- FR
- IT
- NL
- ES
- PT
- CS
- HU
- PL
- SV
- FI
- ZH
- TR
- EL
- RO
- DA
- BG

	<p>Set the first switch-off time (first energy saving time)</p> <ol style="list-style-type: none"> Set the programming selector to position A2. The setting for the first switch off time flashes. Turn the setting knob counterclockwise - to decrease the time, or clockwise + to increase the time. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.
	<p>Set the second switch-on time (second comfort time)</p> <ol style="list-style-type: none"> Set the programming selector to position A3. The setting for the second switch on time flashes. Turn the setting knob counterclockwise - to decrease the time, or clockwise + to increase the time. When the required switch on time is displayed, move the programming selector to any other position to confirm the setting.
	<p>Set the second switch-off time (second energy saving time)</p> <ol style="list-style-type: none"> Set the programming selector to position A4. The setting for the second switch off time flashes. Turn the setting knob counterclockwise to decrease the time, or clockwise + to increase the time. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.
	<p>Set comfort temperature</p> <ol style="list-style-type: none"> Set the programming selector to position T. The setting for the current comfort temperature flashes. Turn the setting knob counterclockwise - to decrease the temperature setting, or clockwise to increase the temperature setting. When the required comfort temperature is displayed, move the programming selector to any other position to confirm the setting.
	<p>Set energy saving temperature</p> <ol style="list-style-type: none"> Set the programming selector to position T. The setting for the current energy saving temperature flashes. Turn the setting knob counterclockwise - to decrease the temperature setting or clockwise + to increase the temperature setting. 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.
	<p>Change current setpoint temporarily</p> <ol style="list-style-type: none"> 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. 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. This new temperature is maintained until the next switching time. The hand symbol is displayed when activated.
	<p>Setting the temporary comfort temperature</p> <ol style="list-style-type: none"> 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). The temporary override of the Comfort temperature is cancelled when the operating mode changes.

Changing the batteries

- Get 2 new alkaline batteries type AA, 1.5 V.
- 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!
- Properly dispose of old batteries per environmental regulations.

Front View Receiver



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

LED Relay Indicator
Orange LED indicates relay is on.

LEARN Button
Press the button to put into learn mode

TEST Button
Used for testing transmission.

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

OVERVERRIDE Button *
Press this button to manually switch on or off

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

Configuration instructions for the Siemens RDJ100RF/SET

The Transmitter RDJ100RF room unit and the receiver RCR100/433 are set to communicate (bonded) with each other at the factory. If they fail to do so at installation or it is necessary to re-bond the units due to loss of communication please follow the following instructions.

- For room unit: Set the programming switch to RUN and the selector switch to AUTO.
- If room unit is wall mounted remove from wall or if on table stand remove grey backing plate
- For receiver Reset by simultaneously pressing the LEARN & OVERRIDE button for 4 seconds.
- On Receiver Press and release the LEARN button. This puts the receiver in learn mode.
- On room unit Press and release the LEARN button on the back.
- A green solid LED indicates a good signal; a red solid LED indicates no signal.
- To test transmission, press the TEST button on the transmitter, this switches the relay to ON on the receiver regardless of temperature. The RF TEST symbol appears on the display (1 s).
- An orange LED indicates that the relay is on.

Energy saving tips without sacrificing comfort

- Do not allow room temperatures to exceed 21 °C.

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