

Operating instructions

RDH100RF/SET

RDH100RF/SET consists of a RDH100RF wireless temperature controller and a RCR100/433 receiver. The RDH100RF 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
	Indicates when there is demand for heat
	Replace batteries
RF TEST	Appears on the screen when the transmitter is being tested.



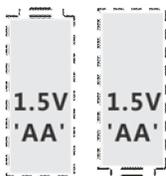
Setting knob

Warmer/colder knob for selecting the temperature setpoint

Battery compartment

Two alkaline batteries type AA, 1.5 V

Commissioning before start-up



Commissioning

- 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.



Selecting the required temperature

- Turn the setting knob counter clockwise to decrease the setpoint, or clockwise to increase the setpoint in increments of 0.5 °C
- The required temperature is displayed next to the comfort temperature symbol T with sun icon

Changing the batteries

1. Get two new batteries of type AA alkaline, 1.5 volts.
2. Within one minute: pull out the battery compartment and remove the batteries, then insert new batteries and replace the battery compartment.
The original set values must be checked after changing batteries!
3. Make certain the old batteries are disposed of properly, in compliance with environmental requirements.

Energy saving tips without sacrificing comfort

- Never allow room temperatures to exceed 21°C.
- Air out rooms: Air out rooms for short periods with open windows and doors.

RED regulation

RDH100RF/SET

- Operating frequency: 433.94 MHz
- Maximum Radio-Frequency power: 3.25 dBm

Siemens Switzerland Ltd. declares that the radio equipment type RDH100RF/SET is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at www.siemens.com/download?A6V10223354.



The device is considered electrical and electronic equipment for disposal in terms of the applicable European Directive and may not be disposed of as domestic garbage.

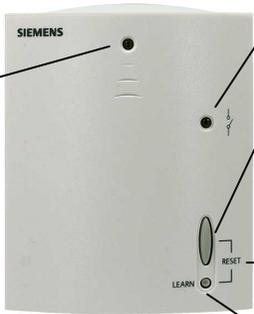
- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.
- Dispose of empty batteries in designated collection points.

- DE
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- NL
- ES
- PT
- CS
- HU
- PL
- SV
- FI
- ZH
- TR
- EL
- RO
- DA

Front View Receiver

LED Signal Indicator

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



LED Relay Indicator

Orange LED indicates relay is on.

OVERRIDE Button

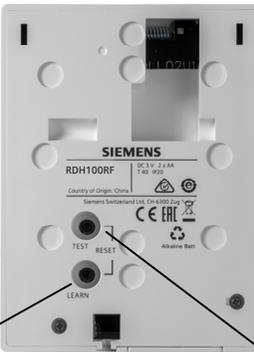
Press this button to overwrite transmitter values.

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

LEARN Button

Press the button to learn a transmitter address.

Rear View Room Unit (Transmitter)



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 RDH100RF/SET

The transmitter RDH100RF and the receiver RCR100/433 are set to communicate (bonded) with each other at the factory. If they fail it is necessary to re-bond 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.

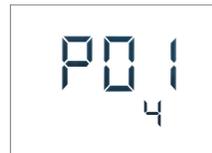
NOTE:

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

NOTE:

You must re-execute the workflow for commissioning the set to reestablish a connection between the room controller and receiver.

Parameter setting



Parameter setting mode

1. Press LEARN on the rear for 5 seconds until "P01" appears.
2. Press LEARN again and the parameter value on second line flashes and is ready for adjustment.
3. Adjust the parameter using setting knob.
4. Press LEARN 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 LEARN 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