

# Digital room units

## RCD3 | RCD4

### Presentation



Room units RCD3 and RCD4 feature a simple and comfortable heating system operation from your workspace. They are compatible with zone controllers Seltron ZCE.

For a clear data display, the RCD3 and RCD4 room units are equipped with a large backlit LCD display with automatic backlight adjustment according to the illumination of the room.

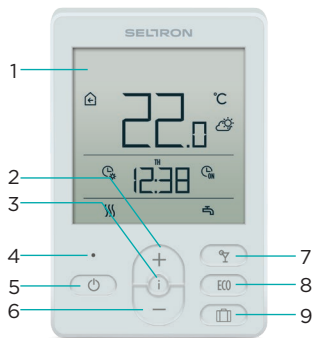
#### Typical application

- Room units RCD3 and RCD4 are used for heating system control from the central living space. In addition to the room temperature, they also measure the relative air humidity and pressure. Based on the measured air pressure they also display the weather forecast.

#### Features

- Display of actual and set temperature.
- Switching on or off a large set of user functions.
- Display of measured temperatures at the controller.
- Display of error warnings and notifications regarding excessive temperatures.
- Display of relative humidity.
- Display of air pressure and weather forecast.
- Option of wired or wireless connections with the controller.
- Large backlit display.
- Modern and elegant design.

### Description of settings buttons



- 1 - Illuminated LCD display
- 2 - Increasing, move forwards
- 3 - Overview of information displays
- 4 - Light sensor
- 5 - Space heating ON/OFF
- 6 - Reducing, move backwards
- 7 - PARTY function ON/OFF
- 8 - ECO function ON/OFF
- 9 - HOLIDAY function switch on.

Typical application	RCD3	RCD3W	RCD4	RCD4WP
The RCD room unit is a powerful device for the management of the heating system from your living room. It is compatible with Seltron zone heating controllers.	•	•	•	•
<b>System control (together with one of the heating controllers)</b>				
Floor heating system	•	•	•	•
Convector heating system	•	•	•	•
Wall and ceiling heating systems	•	•	•	•
<b>Technical characteristics</b>				
Option of connecting an auxiliary sensor	•	•	•	•
Possibility of a wired connection with the zone controller	•	—	•	•
Possibility of a wireless connection with the zone controller	—	•	—	•
Large backlit display	•	•	•	•
<b>User functions</b>				
Heating time programme configuration	•	•	•	•
PARTY function - activation of the comfort operation mode	—	—	•	•
ECO function - activation of the economy operation mode	—	—	•	•
HOLIDAY function - activation of the operation mode during the holiday season	—	—	•	•
<b>Measurements and data display</b>				
Measurement of air quality in the room	—	—	—	—
Display of the actual and set temperature	•	•	•	•
Display of relative humidity	•	•	•	•
Display of weather forecast	•	•	•	•
Display of temperatures measured with the controller	•	•	•	•
Zone status display	•	•	•	•
<b>Setup and installation</b>				
Wall installation or installation into a flush mounted socket	•	•	•	•
Simple installation and connection	•	•	•	•

**Outlined functions**



**PARTY function**

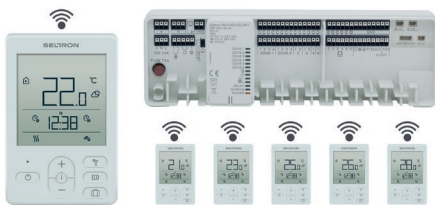
Use the PARTY function to turn on heating at the desired comfort temperature. After the configured time has passed, the operation switches to the current time programme. The duration can be changed freely for all user functions.

**ECO function**

Use the ECO function to activate the heating function according to the low-energy temperature.

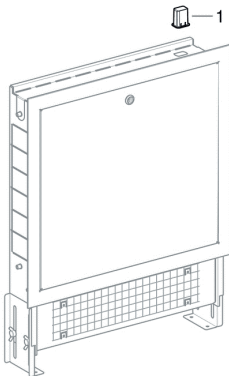
**HOLIDAY function**

For longer absences, you can set room heating or cooling to the holiday time temperature by means of the HOLIDAY function. The latter is preset to 12 °C and can be freely changed. The HOLIDAY function can be terminated by setting the date up to which the function shall be active.



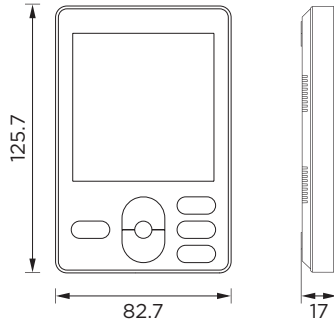
**Option of selecting the master room unit for the central control of all six temperature zones.**


When defining the first room unit as the “MASTER” unit, the setup can be carried out only at one room unit whereas these apply to all other slave room units. That way we avoid a painstaking configuration of identical settings on several room units. The ZCE zone controller provides three autonomy levels of slave room units. The setting we select depends on the freedom we want to leave to the user in controlling individual zones.



**Solution for a smooth communication signal flow between the room unit and the controller**

Communication with wireless room units is often difficult due to the fact that the junction boxes are flush-mounted and made of metal sheet that prevents a smooth flow of the radio signal. For the ZCE controller, we enabled the installation of the transmitter outside the junction box housing. This ensured a smooth communication between the controller and wireless room units.

Technical specifications	RCD3	RCD3W	RCD4	RCD4WP
Backlit LCD display	•	•	•	•
Weekly program timer	•	•	•	•
Power supply	Connection with the controller	2 × AAA, 1.5 V	Connection with the controller	2 × AAA, 1.5 V
Own consumption	0.02 W	0.06 W	0.02 W	0.06 W
Air humidity sensor	•	•	•	•
Illumination sensor	•	•	•	•
Air pressure sensor	•	•	•	•
Clock power supply	R1025 battery (Li-Mn) 3 V			
Clock accuracy	+/-1 s (24 h) at 20 °C			
Degree of protection	IP20 according to SIST EN 60529			
Safety class	III according to SIST EN 60730-1			
Type of temperature sensors	RTD Murata NTC (10kE)			
Housing material	PC - thermoplastic			
Permissible ambient temperature	0÷40 °C			
Storage temperature	-20÷65 °C			
Product weight	140 g	140 g	140 g	140 g
No. of pieces in the packaging unit	24 pcs			
Dimensions				

Item	Order code	Description
	1RCD3W-050	Room unit SELTRON RCD3, for zone control, white
	1RCD3WW-050	Wireless room unit SELTRON RCD3W, for zone control, white
	1RCD4W-050	Advanced room unit SELTRON RCD4, for zone control, white
	1RCD4WWP-050	Advanced wireless room unit SELTRON RCD4WP, for zone control, with air quality sensor, white



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