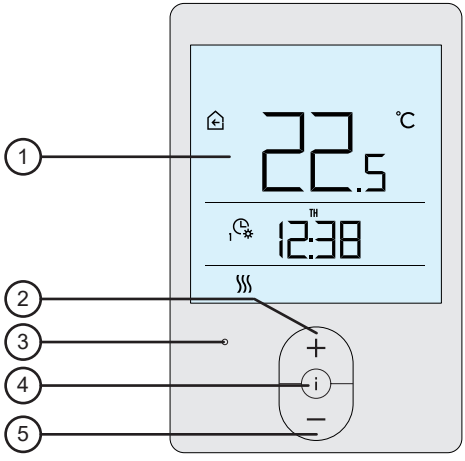
# SELTRON
# Room unit
# RCD3, RCD4, RCD4 Premium

RCD3 – Wired or wireless room unit
RCD4 – Wireless room unit
RCD4 Premium – Wired room unit with air quality sensor


**EN** Instructions for use and setup

## ENGLISH

### ROOM UNIT RCD3 APPEARANCE




1 – Illuminated display.

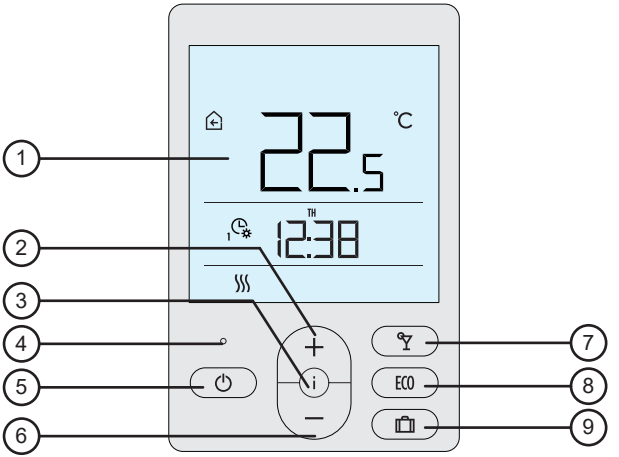
2 – Button + for increasing a setting or moving forward.

3 – Light sensor.

4 – Button i for reviewing data and entering the setup.

5 – Button – for reducing a setting or moving backwards.

## ROOM UNIT RCD4 APPEARANCE




1 – Illuminated display.

2 – Button + for increasing a setting or moving forward.

3 – Button i for reviewing data and entering the setup.

4 – Light sensor.

5 – Button ⏻ for turning on/off the room heating.

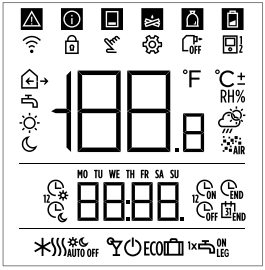
6 – Button – for reducing a setting or moving backwards.

7 – Button for turning on/off the Party function.

8 – Button ECO for turning on/off the Eco function.

9 – Button for turning on/off the Holiday function.

## ROOM UNIT DISPLAY




— event display symbols

— display of the measured and desired temperatures and other information

— display of time, day of the week, and state of time programmes

— operation mode display

## DESCRIPTIONS OF SYMBOLS ON THE SCREEN

**Event display symbols**

| Symbol | Description |
|---|---|
|  | Error.<br>*See section “ERROR DESCRIPTION”.* |
|  | Notification.<br>*See section “DESCRIPTION OF NOTIFICATIONS”.* |
|  | Low battery warning. |
|  | Locked buttons. |
|  | This symbol on the home screen means the command for remote control has been activated. |
|  | Data review and implementation of settings. |
|  | Wireless signal strength. |
|  | Symbol illuminated: room unit in the “MASTER” mode.<br>Symbol flashing: room unit in the “SLAVE” mode. |

*Acoustic signalling of warnings and notifications is repeated at 8:00pm if warnings or notifications are still present. Parameters P1.8 and P1.9 define which events should be displayed acoustically and visually.*

**Symbols for displaying the measured and desired temperatures and other data**

| Symbol | Description |
|---|---|
| and ℃ | Measured room temperature. |
| and ℃ | Measured external temperature. |
| and ℃ | Measured supply line temperature. |
| and ℃ | Measured auxiliary sensor temperature (AUX). |
| RH% | Measured relative air humidity in the room. |
| and ℃± | Desired daytime temperature. |
| and ℃± | Desired nighttime temperature. |
| and ℃± | Desired frost protection temperature. |
| | Weather forecast – sunny. |
| | Weather forecast – partly overcast. |
| | Weather forecast – overcast. |
| | Weather forecast – precipitation. |
| AIR | Measured indoor air quality. *<br>GOOD QUALITY (0–100) – symbol illuminated,<br>MEDIUM QUALITY (101–200) – symbol flashing. |
| AIR and | Measured indoor air quality. *<br>POOR QUALITY (201–500) – both symbols flashing. |

* Premium version only

**Symbols for displaying the day of the week and the state of time programmes**

| Symbol | Description |
|---|---|
| MO | Monday, |
| TU | Tuesday, |
| WE | Wednesday, |
| TH | Thursday, |
| FR | Friday, |
| SA | Saturday, |
| SU | Sunday. |

| | |
|---|---|
|  | Operation according to time programme – day interval. * |
|  | Operation according to time programme – night interval. * |
|  | The time when the Party or Eco function ends. |
|  | The date when the Holiday function ends. |

* The number next to the symbol indicates if the first or the second time programme is selected.

**Symbols for operation mode indication**

| Symbol | Description |
|---|---|
|  | Room heating. |
|  | Room cooling. |
|  | Remote control at the “time” input – room heating to the desired daytime temperature. |
|  | Remote control at the “time” input – room heating at the desired nighttime temperature. |
|  | Remote control at the “time” input – room heating at the desired frost protection temperature. |
|  | Remote control at the “time” input – room cooling to the desired daytime temperature. |
|  | Remote control at the “time” input – room cooling to the desired nighttime temperature. |
|  | Remote control at the “time” input – room cooling to the desired overheating protection temperature. |
|  | Party function active. |
|  | Eco function active. |
|  | Holiday function active. |
|  | Room heating/cooling switch-off. Frost/overheating protection is active. |

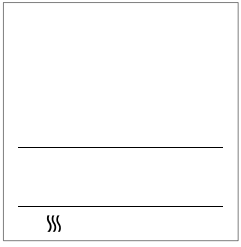
## INFO – REVIEW OF DATA

The room unit measures and displays the room temperature in addition to other information about the microclimate in the room. Use the i button to browse through data.

*How much and which data we can browse through is determined with the parameters P1.10 to P1.17. With the parameter P1.18 we can configure that the home screen automatically displays the desired number of other data that we selected for reviewing the data in addition to the measured room temperature. The data displayed changes in 3-second intervals.*

## SWITCH-ON/SWITCH-OFF/OPERATION MODE (RCD4 ONLY)

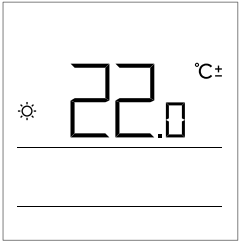
Hold the ⏻ button for 2 seconds to turn room heating/cooling on or off.



symbols for operation mode indication

- ≋ – room heating
- ✳ – room cooling
- ⏻ – room heating/cooling off

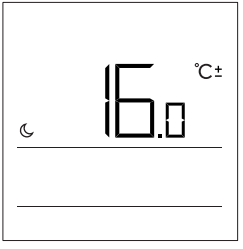
## SETTING THE DESIRED DAYTIME TEMPERATURE




Press the + or — button to activate the setup of the desired daytime temperature. Buttons + and — change the desired temperature. Press the i button to return to the home screen.

*Setting the desired daytime temperature is enabled only when the functions Party, Eco or Holiday are not active.*

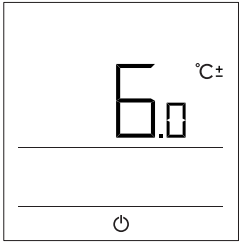
## SETTING THE DESIRED NIGHTTIME TEMPERATURE




Press the + or — button to activate the setup of the desired daytime temperature. Press the i button to return to the display of the desired nighttime temperature. Buttons + and — change the desired temperature. Press the i button to return to the home screen.

*Setting the desired nighttime temperature is enabled only when the functions Party, Eco or Holiday are not active.*

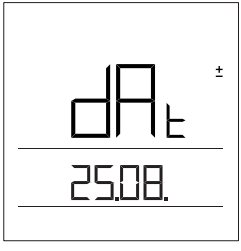
## SETTING THE FROST PROTECTION TEMPERATURE




Press the + or — button to activate the setup of the desired daytime temperature. Press the i button twice to move to the frost protection temperature display. By pressing the + or — button and holding it for at least 2 seconds, the setting value starts flashing and you can change it with the buttons + and —. Press the i button to return to the home screen.

*Frost protection temperature setting is enabled only when the functions Party, Eco or Vacation are not active.*

## TIME AND DATE SETTING

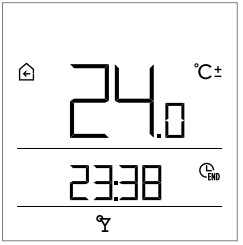



Press the + or — button to activate the set-up of the desired daytime temperature. By pressing the i button three times you move to the date display. By pressing the + or — button and holding it for at least 2 seconds, the time value starts flashing and you can change it with the buttons + and —. Move to other settings by pressing the button i. Set the hour, minutes, day, month, and year. Press the i button to return to the home screen.

*Time and date settings are enabled only when functions Party, Eco or Vacation are not active.*

## PARTY FUNCTION

The Party function allows for the activation of operation at the desired comfort temperature at any time.
The function can be activated by pressing the button (RCD4 only).



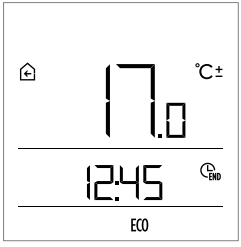

Now you can change the desired comfort temperature with the buttons + and —. The value is flashing during the setup process. Press the or i button to move to the time setting. Press the buttons + and — to set how long the Party function shall remain active. The value is flashing during the setup process. Press the or i button again to return to the home screen.

When the Party function is active, you can check or change settings by pressing the + or — button.

The Party function can be deactivated before the configured time elapses by pressing the button (RCD4 only).

## ECO FUNCTION

The Eco function allows for the activation according to the desired low-energy temperature at any time.
The function can be activated by pressing the **ECO** button (RCD4 only).




— desired low-energy or Eco temperature

— time when the Eco function ends

— Eco function display

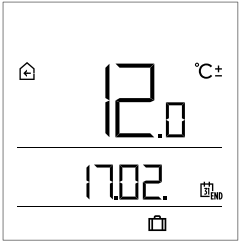
Now you can change the desired low-energy temperature with the buttons + and —. The value is flashing during the setup process. Press the **Eco** or i button to move to time setting. The buttons + and — are used to configure how long the Eco function shall remain active. The value is flashing during the setup process. Press the **ECO** or i button again to return to the home screen.

When the Eco function is active, you can check or change settings by pressing the + or — button.

The Eco function can be deactivated before the configured time elapses by pressing the **ECO** button (RCD4 only).

## HOLIDAY FUNCTION

The Holiday function enables the activation of operation at the desired low-energy temperature up to a specific date at any time.
The function can be activated by pressing the 🧳 button (RCD4 only).




— desired low-energy temperature or Holiday temperature

— date when the Holiday function ends

— Holiday function display

Now you can change the desired low-energy temperature with the buttons + and —. The value is flashing during the setup process. Press the 🧳 or i button to move to the date setting. Use the buttons + and — to configure the date when you want the Holiday function to end. The value is flashing during the setup process. Press the 🧳 or i button again to return to the home screen.

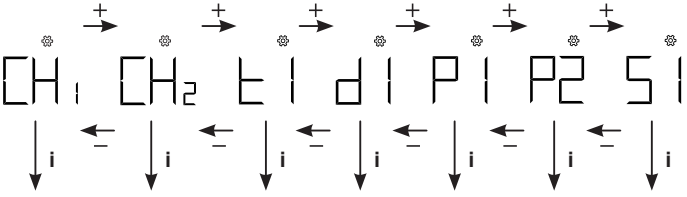
When the Holiday function is active, you can check or change settings by pressing the + or — button.

The Holiday function can be deactivated before the configured time elapses by pressing the 🧳 button (RCD4 only).

## PROGRAM TIMER, ADDITIONAL AND SERVICE SETTINGS

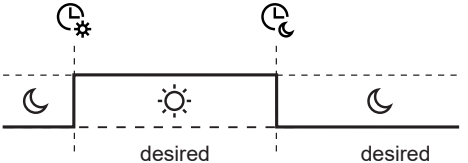
Access to the program timer, additional and service settings is possible through the menu. Settings data and parameters are located in seven menu groups:
CH1 – program timer – first time programme,
CH2 – program timer – second time programme,
t1 – measured and desired temperatures,
d1 – room unit and heating controller data,
P1 – additional settings (parameters),
P2 – additional settings (parameters)
S1 – service settings (parameters).

Hold the i button for 2 seconds to enter the menu. Move between groups of data in the menu with the buttons + and —. Press the i button to enter the selected group.

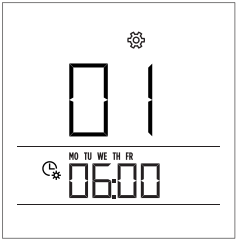


## PROGRAM TIMER – TIME PROGRAMME

You can choose between two time programmes found in groups CH1 and CH2. Using the time programme, you can define the time intervals of operation according to the desired daytime and nighttime temperature.



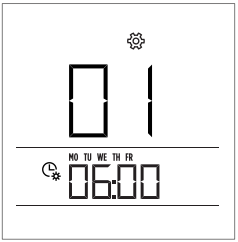

Data on the screen in groups CH1 and CH2 indicate the following:



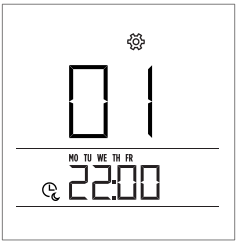

- symbol for settings
- display of time interval sequential number
- display of time, days of the week, and symbols for the switch-on/switch-off command
  - – switch-on command
  - – switch-off command

Move between the switch-on/switch-off commands with the buttons + and —. Press the i button to enter command settings. The value being changed starts to flash. With the switch-on command, you can change the days of the week and the switch-on time. With the switch-off command, you can only configure the switch-off time. Move between settings by pressing the i button.

Example of the time interval of the desired daytime temperature from Monday to Friday between 6am and 10pm:




switch-on command for the first time interval




switch-off command for the first time interval

**CH1 group – first time programme**

There are 42 switch-on/switch-off commands representing 21 time intervals of the desired daytime temperature.

| Int. | Description |
|---|---|
| 1 | **SWITCH-ON COMMAND 1 –**<br>This setting determines the day of the week and time of the switch-on command for the first time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 1 –**<br>This setting determines the time of the switch-off command for the first time interval (switchover to heating at the desired nighttime temperature). |
| 2 | **SWITCH-ON COMMAND 2 –**<br>This setting determines the day of the week and time of the switch-on command for the second time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 2 –**<br>This setting determines the time of the switch-off command for the second time interval (switchover to heating at the desired nighttime temperature). |
| ... | ... |
| 21 | **SWITCH-ON COMMAND 21 –**<br>This setting determines the day of the week and time of the switch-on command for the first time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 21 –**<br>This setting determines the time of the switch-off command for the first time interval (switchover to heating at the desired nighttime temperature). |

**CH2 group – second time programme**

There are 42 switch-on/switch-off commands representing 21 time intervals of the desired daytime temperature.

| Int. | Description |
|---|---|
| 1 | **SWITCH-ON COMMAND 1 –**<br>This setting determines the day of the week and time of the switch-on command for the first time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 1 –**<br>This setting determines the time of the switch-off command for the first time interval (switchover to heating at the desired nighttime temperature). |
| 2 | **SWITCH-ON COMMAND 2 –**<br>This setting determines the day of the week and time of the switch-on command for the second time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 2 –**<br>This setting determines the time of the switch-off command for the second time interval (switchover to heating at the desired nighttime temperature). |
| ... | ... |
| 21 | **SWITCH-ON COMMAND 21 –**<br>This setting determines the day of the week and time of the switch-on command for the first time interval (switchover to heating at the desired daytime temperature). |
| | **SWITCH-OFF COMMAND 21 –**<br>This setting determines the time of the switch-off command for the first time interval (switchover to heating at the desired nighttime temperature). |

**Preset time programmes**

| Time programme | Day | Interval of the desired daytime temperature |
|---|---|---|
| **CH1 *** | MON–FRI | 6am–10pm |
| | SAT–SUN | 7am–11pm |
| **CH2** | MON–FRI | 5am–7:30am<br>1:30pm–10pm |
| | SAT–SUN | 7am–11pm |

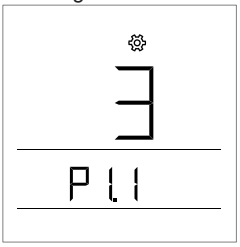
** CH1 is default time programme*

**Time programme selection**

To select the active time programme, select the CH1 or CH2 group from the menu and hold the + button for 2 seconds. For the selected time programme, a dot is displayed between CH and the programme number (CH.1 or CH.2).

## DATA, AND ADDITIONAL AND SERVICE SETTINGS

Data on the screen in groups t1, d1, P1, P2, and S1 indicate the following:




Move between the data or setting parameters in each group with the buttons + and —. You can only change parameters in the groups P1, P2, and S1. The setting value starts to flash after pressing the i button. You can now change the parameter value with the buttons + and —. Press the i button to confirm the configured value.

*Press the ⏻ button or press and hold for 2 seconds the* i *button in any level to go back one level.*

**T1 group – measured and desired temperatures**

| No. | Description |
|---|---|
| t1.1 | **CONTROLLER SENSOR T1**<br>The measured and desired temperatures of the supply line are displayed alternately. |
| t1.2 | **CONTROLLER SENSOR T2**<br>The measured external temperature is displayed. |

### d1 Group – room unit data

| | |
|---|---|
| d1.1 | **ROOM UNIT TYPE (RCD3, RCD4, etc.)** |
| d1.2 | **ROOM UNIT SOFTWARE VERSION** |
| d1.3 | **TYPE OF CONTROLLER CONNECTED TO THE ROOM UNIT**<br>(0 – zone controller ZCE) |
| d1.4 | **CONTROLLER SOFTWARE VERSION** |
| d1.5 | **HYDRAULIC SCHEME OF THE CONTROLLER**<br>(1–3) |
| d1.6 | **NUMBER – ROOM UNIT ADDRESS**<br>(--, 1–6) |
| d1.7 | **NUMBERS OF ZONES AFFECTED BY THE ROOM UNIT**<br>Zones are displayed alternately. (1–6) |
| d1.16 | **LIGHT SENSOR**<br>The measured illumination of the room in which the room unit is installed is displayed (lux). |
| d1.17 | **WIRELESS SIGNAL QUALITY (RSSI) *** |
| d1.18 | **NUMBER – CONTROLLER ADDRESS ***<br>(0–9) |
| d1.19 | **PAIRING ADDRESS ***<br>(0–255) |
| d1.20 | **RF CHANNEL NUMBER ***<br>(0–7) |

** wireless version only*

### P1 group – additional settings (parameters)

| No. | Description | Range |
|---|---|---|
| P1.1 | **TEMPERATURE DISPLAY ROUND-OFF**<br>With this setting, we can determine to what value the measured temperatures should be rounded. | 0 – 0.1°C<br>1 – 0.2°C<br>**2 – 0.5°C**<br>3 – 1.0°C |
| P1.2 | **AUTOMATIC EXIT TIME**<br>This setting determines the time after which the display returns to the home screen. | 3–180s (**15**) |
| P1.3 | **DISPLAY BACKLIGHT SHUT-OFF TIME**<br>This setting determines the time after which the display backlight is reduced or shut off. | 10–180s (**30-wired, 5-wireless**) |

| | | |
|---|---|---|
| P1.4 | **DISPLAY BACKLIGHT OPERATION MODE**<br>This setting determines the display backlight operation mode.<br>Available settings:<br>0 – No display backlight.<br>1 – Maximum display brightness when configuring the room unit. After the delay time, the display backlight is reduced to the minimum value.<br>2 – Same as 1 however the display backlight is adapted to the amount of light in the room.<br>3 – Same as 2 however the display backlight is completely turned off during the nighttime temperature time interval when the room unit is in standby if the interval occurs between 6pm and 6am. | 0–3 (**2**) |
| P1.5 | **MINIMUM DISPLAY BACKLIGHT**<br>This setting determines the minimum display backlight. | 0–100% (**5-wired, 0-wireless**) |
| P1.6 | **MAXIMUM DISPLAY BACKLIGHT**<br>This setting determines the maximum display backlight. | 0–100% (**80-wired, 60-wireless**) |
| P1.7 | **DISPLAY CONTRAST**<br>This setting determines the display contrast. | 1–8 (**3**) |
| P1.8 | **SOUND**<br>This setting determines when the sound is activated. | 0 – never<br>1 – buttons<br>2 – buttons and errors<br>**3 – buttons, errors, and notifications** |
| P1.9 | **WARNINGS AND MESSAGES DISPLAY**<br>This setting determines whether errors and notifications are displayed. | 0 – no display<br>1 – errors<br>**2 – errors and notifications** |
| P1.10 | **HOME SCREEN DISPLAY**<br>This setting determines which data will be displayed on the home screen. | **1 – room temp.**<br>2 – external temp.<br>3 – supply line temp.<br>4 – humidity<br>5 – air pressure<br>6 – auxiliary sensor<br>7 – air quality*<br>8 – status of zone outputs affected by the room unit |

| | | |
|---|---|---|
| P1.11 | **FIRST ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | 0 – no display<br>1 – room temp.<br>**2. – external temp.**<br>3 – supply line temp.<br>4 – humidity<br>5 – air pressure<br>6 – auxiliary sensor<br>7 – air quality*<br>8 – status of zone outputs affected by the room unit |
| P1.12 | **SECOND ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**4 – humidity** |
| P1.13 | **THIRD ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**5 – air pressure** |
| P1.14 | **FOURTH ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**0 – no display** |
| P1.15 | **FIFTH ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**0 – no display** |
| P1.16 | **SIXTH ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**0 – no display** |
| P1.17 | **SEVENTH ADDITIONAL DISPLAY**<br>This setting determines the order of data displayed. For browsing data, use the **i** button. Parameter P1.18 can also be used to automatically display a certain number of selected data. | The setting range is identical to parameter P1.11.<br>The factory setting is:<br>**0 – no display** |
| P1.18 | **NUMBER OF DATA ON THE HOME SCREEN**<br>This setting determines how many additional data should be displayed alternately on the home screen. | 1–8 (**1**) |

### P2 group – additional settings (parameters)

| No. | Description | Range |
|---|---|---|
| P2.1 | **MASTER ROOM UNIT**<br>This setting determines whether the room unit is the master unit.<br>In setting 1, the basic settings (desired temperatures, switchover switch, etc.) are transmitted to other slave units. In setting 2, commands for additional functions (Party, Eco, and Holiday) are transmitted in addition to the basic settings. In setting 3, only additional functions are transmitted. | **0 – not master unit**<br>1 – master unit (basic settings)<br>2 – master unit (basic settings and additional functions)<br>3 – master unit (additional functions) |
| P2.2 | **OPERATION MODE**<br>This setting determines the operation mode of the zones affected by the room unit. | 1 – hysteresis<br>2 – P<br>**3 – PI** |
| P2.3 | **ED TIME CONSTANT**<br>This setting determines the ED time constant for P and PI room temperature control. | 10–50min (**20**) |
| P2.4 | **THERMOSTAT HYSTERESIS**<br>This setting determines the hysteresis for the thermostat operation. | 0.2–10.0°C (**0.2**) |
| P2.10 | **ACTIVATION OF AIR QUALITY/POLLUTION MEASUREMENT ***<br>This setting activates/deactivates air quality / pollution measurement.<br>Good air quality: 0–100<br>Medium air quality: 101–200<br>Poor air quality: 201–500<br>CAUTION: The activation of measurement increases battery consumption! | **0 – OFF**<br>1 – ON |

* Premium version only.

## ACCESS TO ROOM UNIT SERVICE SETTINGS

Access to service settings is locked in the factory settings. It is possible to access the locked parameters in the following way: when you are in the last available group of settings (P2), press the + button and hold it for 10 seconds.

Parameter S1.9 determines which parameter groups are locked:
S1.9=0 – no lock,
**S1.9=1** – group S1 locked (factory setting),
S1.9=2 – groups P1, P2, and S1 locked.

### Group S1 – service settings (parameters)

| No. | Description | Range |
|---|---|---|
| S1.2 | **ROOM TEMPERATURE**<br>This setting determines which sensor is used for room temperature.<br>In setting 3, the median value of the built-in and auxiliary sensor is calculated for room temperature. | 0 – none<br>**1 – built-in sensor**<br>2 – auxiliary sensor (AUX)<br>3 – built-in and auxiliary sensors |
| S1.3 | **BUILT-IN TEMPERATURE SENSOR CALIBRATION**<br>This setting determines the correction of the measured built-in sensor temperature. | -5.0–5.0°C (**0.0**) |
| S1.4 | **AUXILIARY TEMPERATURE SENSOR (AUX) CALIBRATION**<br>This setting determines the correction of the measured auxiliary sensor temperature. | -5.0–5.0°C (**0.0**) |
| S1.5 | **RELATIVE HUMIDITY SENSOR CALIBRATION**<br>This setting determines the correction of the measured room humidity. | -10–10% (**0**) |
| S1.6 | **AIR PRESSURE SENSOR CALIBRATION**<br>This setting determines the correction of the measured air pressure. | -100–100mb (**0**) |
| S1.7 | **AIR QUALITY SENSOR CALIBRATION**<br>This setting determines the correction of the measured air quality. | -100–100 (**0**) |
| S1.8 | **LIGHT SENSOR CALIBRATION**<br>This setting determines the correction of the light measured in the room. | 0,5–2 (**1**) |

| | | |
|---|---|---|
| S1.9 | **LOCKING THE SETTINGS**<br>This setting limits access to parameter groups in the menu. | 0 – no lock<br>**1 – S1**<br>2 – P1, P2, and S1 |
| S1.10 | **LOCKING THE BUTTONS**<br>This setting locks button function. The operation of the locking function is described in the section “Locking the buttons”. | **0 – no lock**<br>1 – operation mode,<br>2 – same as 1 and functions,<br>3 – same as 2 and the desired temp.,<br>4 – same as 3 and data browsing and settings. |
| S1.11 | **MINIMUM SETTING OF THE DESIRED TEMPERATURE**<br>This setting determines the minimum room temperature setting possible. | 4–40°C (**6**) |
| S1.12 | **MAXIMUM SETTING OF THE DESIRED TEMPERATURE**<br>This setting determines the maximum room temperature setting possible. | 4–40°C (**30**) |
| S1.14 | **ALTITUDE FOR WEATHER FORECAST**<br>This setting enters the altitude of the room unit. This improves the precision of weather forecasts. | 0–1,999m (**300**) |

## ACCESS TO CONTROLLER SERVICE SETTINGS

The access to service settings is locked. It is possible to access locked parameters in the following way: first access the S1 service parameters. Now press the + button and hold it for 10 seconds.

Use the buttons + and — to move between the C designations of the controller parameters. Use the i button to start the reading of the parameter values from the controller. By pressing the i button again, the setting value starts flashing.
Change the setting with the buttons + and — and save it back to the controller by pressing the i button.
The list of parameters can be found in the controller manual.

## LOCKING THE BUTTONS

Locking the buttons limits or disables unwanted settings or function activations. Lock the buttons by pressing the — button and holding it for 10 seconds, and unlock by pressing the + button and holding it for 10 seconds.

Parameter S1.10 determines the extent of locking the buttons:
**S1.10=0** – no lock,
S1.10=1 – the operation mode for rooms and domestic hot water is locked (RCD4 only),
S1.10=2 – same as 1 but the functions Party, Eco, One-time domestic hot water heating, and Fireplace are also locked (RCD4 only).
S1.10=3 – same as 2 with the desired temperature settings also locked,
S1.10=4 – same as 3 with browsing through info displays and additional service settings also locked.

*When the buttons are locked at any stage, the 🔒 symbol appears in the home screen.*

## FACTORY SETTINGS – RESET

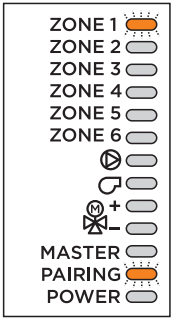
Press the ¡ button and hold it for 40 seconds to reset the parameters in groups P1, P2, and S1 to factory settings. Factory settings are displayed in bold in the parameters table. The reset also deletes the data of the room unit pairing with the controller, and the room unit enters the unpaired status.

## ERROR DESCRIPTION

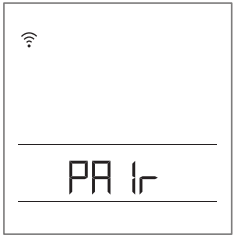
| | |
|---|---|
| Er 1 | **Room sensor error.**<br>What can I do?<br>The room unit must be serviced.<br>The operation will automatically be adjusted as follows:<br>The room sensor temperature defaults to the value of the desired room temperature. |
| Er 2 | **Auxiliary sensor error.**<br>What can I do?<br>Check the type and connection of the auxiliary sensor.<br>If the error is not resolved, the room thermostat must be serviced.<br>The operation will automatically be adjusted as follows:<br>Only the built-in temperature sensor operates. If this sensor is also faulty, the operation is the same as that of Er1. |
| Er 3 | **T2 external temperature sensor error.**<br>What can I do?<br>Check the type and connection of the T2 sensor on the controller.<br>If the error is not resolved, the controller must be serviced.<br>The operation will automatically be adjusted as follows:<br>The controller operates without being affected by the external temperature. |
| Er 4 | **T1 supply line temperature sensor error.**<br>What can I do?<br>Check the type and connection of the T1 sensor on the controller.<br>If the error is not resolved, the controller must be serviced.<br>The operation will automatically be adjusted as follows:<br>The controller closes the mixing valve and turns off the circulation pump. |

| | |
|---|---|
| Er5 | **Light sensor error.**<br>What can I do?<br>The room unit must be serviced.<br>The operation will automatically be adjusted as follows:<br>Display backlight is activated by pressing any button, both during the day or night. |
| Er6 | **Relative humidity sensor error.**<br>What can I do?<br>The room unit must be serviced. |
| conn<br>Err | **Controller connection error.**<br>What can I do?<br>For the wired connection, check the connection on the room unit and the controller. For the wireless connection, check the antenna connection on the controller.<br>If the error is not resolved, the room unit, controller, and antenna must be serviced.<br>The operation will automatically be adjusted as follows:<br>After the configured time, the controller switches to the so-called emergency operation. |
| PA ir<br>Err | **Controller pairing process error.**<br>What can I do?<br>For the wired connection, check the connection on the room unit and the controller. For the wireless connection, check wireless signal quality in the “d1” group and the antenna connection on the controller.<br>If the error is not resolved, the room unit, controller, and antenna must be serviced. |

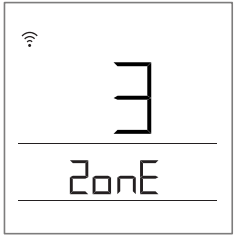
## PAIRING THE ROOM UNIT WITH THE CONTROLLER ZONE




The pairing process determines which zone will be affected by the room unit being paired. A room unit that has not been paired yet only displays the measured room temperature. The pairing process must first be activated on the controller where the LED lights indicate which zone is currently being paired.




If the room unit should affect the signalled zone, the pairing process is activated on the room unit as well by holding the buttons + and — for 2 seconds. During the pairing process, “PAIR” is displayed.




After the pairing process is successfully completed, a beep can be heard and the number of the zone to which the room unit has been connected is displayed for 5 seconds. The controller automatically switches to pairing the next (unpaired) zone.
If after one minute the pairing process hasn't been successfully completed, “PAIR Err” is displayed for 5 seconds.

*The pairing process is the same for the wired and wireless connection of the room unit.*
*The room unit can also affect multiple zones at a time.*
*A zone can only be affected by one room unit.*

## TECHNICAL SPECIFICATIONS

| | RCD3, wired | RCD3, wireless | RCD4 Premium, wired | RCD4, wireless |
|---|---|---|---|---|
| Backlit display | Yes | Yes | Yes | Yes |
| Temperature sensor type | Murata NTC (10kE) | | | |
| Possibility of connecting an auxiliary temp. sensor (AUX) | Yes | Yes | Yes | Yes |
| Light sensor | Yes | Yes | Yes | Yes |
| Humidity sensor | Yes | Yes | Yes | Yes |
| Air quality sensor | No | No | Yes | No |
| Air pressure sensor | Yes | Yes | Yes | Yes |
| Power supply | bus communication line | 2× LR03/AAA batteries | bus communication line | 2× LR03/AAA batteries |
| Maximum use | 0.02W | 0.06W | 0.02W | 0.8W |
| Degree of protection | IP 30 acc. to EN 60529 | IP 30 acc. to EN 60529 | IP 30 acc. to EN 60529 | IP 30 acc. to EN 60529 |
| Safety class | III acc. to EN 60730-1 | III acc. to EN 60730-1 | III acc. to EN 60730-1 | III acc. to EN 60730-1 |
| Housing | PC thermoplastic | PC thermoplastic | PC thermoplastic | PC thermoplastic |
| Dimensions (w × h × d) | 82×125×16.5mm | 82×125×16.5mm | 82×125×16.5mm | 82×125×16.5mm |
| Ambient temperature | 0–40°C | 0–40°C | 0–40°C | 0–40°C |
| Storage temperature | -20°C to +65°C | -20°C to +65°C | -20°C to +65°C | -20°C to +65°C |
| Weight | 115g | 135g | 115g | 135g |

## DISPOSAL OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

Disposal of waste electrical and electronic equipment (applies to EU member states and other European countries with a waste separation system).

This symbol on the product or packaging indicates it should not be discarded as household waste. It needs to be taken to a collection point for waste electrical and electronic equipment (WEEE). Suitable disposal of this product prevents negative impact on the environment and health, which could otherwise be caused by improper disposal. Recycling of materials reduces usage of new raw materials. For more information about recycling of this product please contact the competent authorities, municipal service or the dealer where you purchased the product.

## NOTES

## NOTES

Software V1.3r0

V1.3