

The RDJ100 is a room thermostat with a 24-hour time program that allows you to set the desired room temperature (setpoint) for the desired time. The unit features an ergonomic setting knob for easy temperature control.

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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 selected frost protection 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.
	Indicates when heating is demanded
	Replace batteries
	Frost protection: The unit controls continuously to frost protection temperature
	Energy saving mode: The unit controls continuously to 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 setpoint

### Battery compartment

2 alkaline batteries type AA, 1.5 V

### Programming selector

### Operating mode selector

AUTO	Automatic mode: The unit controls to the selected time and temperature programs
	Comfort mode: The unit controls continuously to comfort temperature
	Energy saving mode: The unit controls continuously to energy saving temperature
	Frost protection: The unit controls continuously to frost protection temperature. This setpoint is fixed at 5 °C

### Advance button

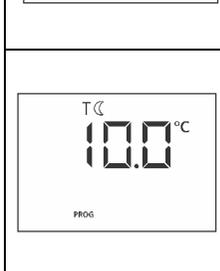
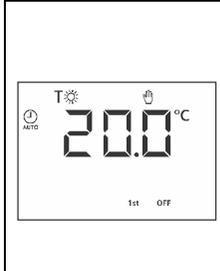
Switches the operating mode from comfort to energy saving, or vice versa, until the next switching time in automatic mode

	Time setting position
A1	First switch-on time
A2	First switch-off time
A3	Second switch-on time
A4	Second switch-off time
	Comfort temperature setting
	Energy saving temperature setting
RUN	Set the controller to RUN after programming is completed

	<h3>Commissioning</h3> <ul style="list-style-type: none"> <li>Remove the black transit tabs from the alkaline batteries. Check to see if the battery compartment is in its correct position</li> <li>If no batteries are inserted, fit 2 alkaline batteries type AA in the battery compartment</li> </ul>
	<h3>Setting the time</h3> <ol style="list-style-type: none"> <li>Set the programming selector to position .</li> <li>Turn the setting knob to adjust the time.</li> <li>When the correct time is displayed, move the programming selector to any other position to confirm your setting</li> </ol>

	<p><b>Setting the first switch-on time (first comfort time)</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position A1.</li> <li>2. Turn the setting knob to adjust the time.</li> <li>3. When the required switch-on time is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>
	<p><b>Setting the first switch-off time (first energy saving time)</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position A2.</li> <li>2. Turn the setting knob to adjust the time.</li> <li>3. When the required switch-off time is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>
	<p><b>Setting the second switch-on time (second comfort time)</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position A3.</li> <li>2. Turn the setting knob to adjust the time.</li> <li>3. When the required switch-on time is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>
	<p><b>Setting the second switch-off time (second energy saving time)</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position A4.</li> <li>2. Turn the setting knob to adjust the time.</li> <li>3. When the required switch-off time is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>

<p><b>NOTE</b></p>	<p><b>Switch-on and switch-off times are related. When trying to set a switching time to a time after the next switching time, the latter time will automatically be moved forward (or backward).</b></p>
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	<p><b>Setting the comfort temperature</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position T<sub>☀</sub>.</li> <li>2. Turn the setting knob to adjust the temperature.</li> <li>3. When the required comfort temperature is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>
	<p><b>Setting the energy saving temperature</b></p> <ol style="list-style-type: none"> <li>1. Set the programming selector to position T<sub>☾</sub>.</li> <li>2. Turn the setting knob to adjust the temperature.</li> <li>3. When the required energy saving temperature is displayed, move the programming selector to any other position to confirm your setting.</li> </ol>
	<p><b>Changing the current setpoint temporarily</b></p> <ol style="list-style-type: none"> <li>1. The current setpoint can be changed temporarily when the operating mode selector is in the AUTO position and the programming selector in the RUN position.</li> <li>2. Turn the setting knob slightly in either direction to display the current setpoint, then turn it to adjust the temperature.</li> <li>3. This setpoint is maintained until the next switching time. When this is activated, the hand symbol is displayed.</li> </ol>
	<p><b>Setting the temporary comfort temperature</b></p> <ol style="list-style-type: none"> <li>1. Turn the setting knob to adjust the desired temperature when the operating mode selector is set to Comfort mode (temporary override of Comfort temperature).</li> <li>2. The temporary override of the Comfort temperature is cancelled when the operating mode is changed.</li> </ol>
	<p><b>Changing the batteries</b></p> <ol style="list-style-type: none"> <li>1. Get 2 new alkaline batteries type AA, 1.5 V.</li> <li>2. Within 1 minute: pull out the battery compartment and remove the batteries, then insert new batteries and replace the battery compartment.</li> <li>3. Make certain the old batteries are disposed of properly, in compliance with environmental requirements.</li> </ol>
	<p><b>Energy saving tips without sacrificing comfort</b></p> <ul style="list-style-type: none"> <li>• Never allow room temperatures to exceed 21°C</li> <li>• Air out rooms for short periods of time only, but properly, with the windows wide open</li> </ul>

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**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.

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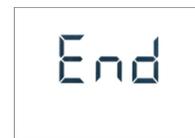
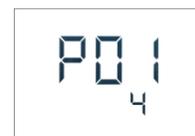
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	<p>Display shows alternating "SEr" and days until service is due on second line. Then need to arrange boiler service Whenever switching to and from Frost protection, the days until next service due will be shown.</p>
	<p>Display shows alternating "SEr...duE" indicates that the service day has expired. Thermostat can still be fully operated but warning remains until boiler service is done.</p>
	<p>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.</p>

**Parameter setting****Parameter setting mode**

1. Press RESET on the rear for 5 seconds until "P01" appears.  
Note: Pressing the button longer than 10 seconds resets the thermostat.
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 the 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