

## Salus Controls RT310RF

# Salus RT310RF Wireless Thermostat User Manual

Model: RT310RF

## 1. INTRODUCTION

The Salus RT310RF is a digital wireless thermostat system designed for precise and efficient temperature control in your home or office. This system provides reliable communication between the thermostat unit and the receiver unit, allowing for flexible placement of the thermostat. It is compatible with both voltage-free and 230V heating applications, offering an upgrade in functionality and user experience. This manual provides essential information for the installation, operation, and maintenance of your RT310RF thermostat.

## 2. PRODUCT COMPONENTS

The Salus RT310RF system includes the following components:

- **Thermostat Unit:** The main control unit with a digital display and buttons for temperature adjustment.
- **Receiver Unit:** Connects to your heating system and receives signals from the thermostat.
- **AA Batteries (2x):** For powering the thermostat unit.



**Image Description:** This image displays both the Salus RT310RF wireless thermostat unit and its accompanying receiver unit. The thermostat unit, on the right, is white with a digital display showing "21.3 °C" and wireless signal icon, along with control buttons. The receiver unit, on the left, is also white and features an on/off switch and auto/manual mode switch.

### 3. SETUP AND INSTALLATION

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The installation of the Salus RT310RF system involves electrical connections to your heating appliance. It is strongly recommended that installation be carried out by a qualified electrician or heating engineer to ensure safety and proper functionality.

#### 3.1. Receiver Unit Installation

- Power Disconnection:** Before commencing any electrical work, ensure the main power supply to your heating system is switched off at the consumer unit.
- Mounting:** Choose a suitable location for the receiver unit, typically near your boiler or heating appliance. Mount it securely to a wall using appropriate fixings.
- Wiring:** Connect the receiver unit to your boiler or heating system according to the wiring diagram provided in the full installation guide (not included in this summary). The receiver supports both voltage-free and 230V connections.
- Power On:** Once wiring is complete and secure, restore power to the heating system. The receiver unit should indicate power status.

#### 3.2. Thermostat Unit Setup

- Battery Installation:** Open the battery compartment on the back of the thermostat unit and insert the 2x AA batteries, observing the correct polarity.
- Placement:** Position the thermostat unit in a central location within the heated area, away from direct sunlight, drafts, or heat sources (e.g., radiators, lamps) that could affect temperature readings.
- Pairing:** The thermostat and receiver units are typically pre-paired at the factory. If pairing is required or lost, follow the specific pairing instructions in the full product manual. Generally, this involves pressing a pairing button on both units within a short timeframe.

### 4. OPERATING INSTRUCTIONS

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The Salus RT310RF thermostat is designed for straightforward operation to manage your heating system.



**Image Description:** This image shows a close-up front view of the Salus RT310RF wireless thermostat. It is a white, square-shaped device with a clear digital display in the center showing "21.3 °C" and a wireless signal icon. To the left of the display are two buttons with sun and snowflake icons, likely for mode selection. To the right are up and down arrow buttons for temperature adjustment. The Salus logo is visible below the display.

#### 4.1. Display Information

- The large digits on the display show the current room temperature.
- A smaller digit (e.g., "1.3" in "21.3") indicates the decimal part of the temperature.
- The wireless signal icon indicates successful communication with the receiver unit.
- A low battery indicator will appear when the batteries need replacement.

#### 4.2. Adjusting Temperature

- Use the **Up Arrow** button (▲) to increase the desired set temperature.
- Use the **Down Arrow** button (▼) to decrease the desired set temperature.
- The thermostat will automatically adjust the heating system to maintain the set temperature.

#### 4.3. Mode Selection (if applicable)

The buttons with sun and snowflake icons on the left side of the thermostat may allow you to switch between heating and cooling modes, or activate specific functions. Refer to the full product manual for detailed information on these specific functions.

### 5. MAINTENANCE

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Proper maintenance ensures the longevity and accurate operation of your Salus RT310RF thermostat.

- **Battery Replacement:** When the low battery indicator appears on the display, replace the 2x AA

batteries immediately. Use high-quality alkaline batteries for optimal performance.

- **Cleaning:** Clean the thermostat unit with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the unit's casing and electronic components.
- **Avoid Obstructions:** Ensure the thermostat unit is not covered or obstructed by furniture, curtains, or other objects that could interfere with its temperature sensing capabilities.

## 6. TROUBLESHOOTING

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If you encounter issues with your Salus RT310RF thermostat, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Heating system not responding.	No power to receiver, dead batteries in thermostat, lost wireless connection.	Check power supply to receiver. Replace thermostat batteries. Re-pair thermostat and receiver if wireless icon is not displayed.
Incorrect temperature reading.	Thermostat placed near heat source, draft, or direct sunlight.	Relocate the thermostat to a more suitable, central position away from external influences.
Wireless signal lost.	Interference, distance too great, or pairing issue.	Ensure thermostat is within range of the receiver. Check for sources of interference. Attempt to re-pair the units.
Display is blank.	Dead batteries.	Replace the 2x AA batteries in the thermostat unit.

If the problem persists after attempting these solutions, please contact Salus Controls customer support or a qualified technician.

## 7. SPECIFICATIONS

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- **Brand:** Salus Controls
- **Model:** RT310RF
- **Color:** White
- **Thermostat Dimensions (L x W x H):** 10 x 3 x 10 cm (approximately)
- **Weight:** Approximately 200 g
- **Receiver Voltage:** 230 Volts
- **Connectivity:** Radio Frequency (RF) Wireless
- **Control Type:** Push-button
- **Temperature Control:** Manual
- **Power Source (Thermostat):** 2 x AA Batteries (included)
- **Specific Uses:** Boiler control
- **Components Included:** Thermostat, Receiver, Batteries

## 8. WARRANTY AND SUPPORT

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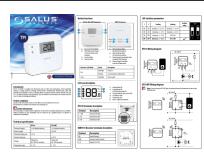
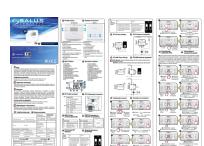
Warranty information for the Salus RT310RF Wireless Thermostat is typically provided with the product packaging or can be found on the official Salus Controls website. Please retain your proof of purchase for

warranty claims.

For technical assistance, product inquiries, or support, please contact Salus Controls directly through their official customer service channels.

This manual is for informational purposes only. Salus Controls reserves the right to make changes to product specifications without prior notice.

## Related Documents - RT310RF

	<p><a href="#"><u>SALUS RT310/RT310RF Digital Room Thermostat Installation Manual</u></a> Installation manual for the SALUS RT310/RT310RF digital room thermostat and RXRT510 receiver, covering setup, features, wiring, and specifications. Includes multilingual instructions.</p>
	<p><a href="#"><u>Salus RT310/RT310RF Digital Room Thermostat Installation Manual</u></a> Detailed installation and operation guide for Salus RT310 and RT310RF digital room thermostats, covering setup, features, wiring, and troubleshooting.</p>
	<p><a href="#"><u>Salus Controls RT310/RT310RF Thermostat and RXRT510 Receiver Installation Manual</u></a> Comprehensive guide for installing and operating the Salus Controls RT310 and RT310RF digital thermostats and RXRT510 receiver, covering setup, functions, pairing, and troubleshooting.</p>
	<p><a href="#"><u>SALUS RT310/RT310RF Digitalni Sobni Termostat - Uputstvo za Instalaciju</u></a> Ovo uputstvo pruža detaljne informacije o instalaciji i korišćenju digitalnih sobnih termostata SALUS RT310 i RT310RF, kao i prijemnika RXRT510. Sadrži tehničke specifikacije, funkcije, uputstva za uparivanje i podešavanje, te informacije o bezbednosti.</p>
	<p><a href="#"><u>SALUS RT510/RT510RF Programmable Thermostat Installation and User Manual</u></a> Detailed guide for SALUS RT510 wired and RT510RF wireless programmable thermostats. Covers installation, wiring, programming, modes (automatic, manual, frost, holiday, sleep), installer settings, and troubleshooting.</p>
	<p><a href="#"><u>SALUS T105/T105RF Digital Programmable Thermostat User Guide</u></a> A comprehensive guide to the SALUS T105 and T105RF digital programmable thermostats, covering features, installation, operation, programming, and advanced settings for efficient home climate control.</p>