

COMPUTHERM Q20RF

COMPUTHERM Q20RF Wireless Programmable Room Thermostat

User Manual

1. INTRODUCTION

Thank you for choosing the COMPUTHERM Q20RF Wireless Programmable Room Thermostat. This device is designed to provide precise and efficient control over your heating and air conditioning systems. It features daily independent programming, temporary manual modes, and a clear backlit display for optimal comfort and energy savings. Please read this manual carefully before installation and operation to ensure proper use and to maximize the benefits of your new thermostat.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation and wiring should only be performed by a qualified electrician or service technician. Ensure the main power supply to the heating/cooling system is turned off before any wiring work.
- **Battery Handling:** The thermostat unit requires 2 AA batteries. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly according to local regulations.
- **Placement:** Install the thermostat in a location away from direct sunlight, drafts, or heat sources that could affect temperature readings.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Children:** Keep the device out of reach of children to prevent accidental tampering.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- COMPUTHERM Q20RF Thermostat Unit (Transmitter)
- COMPUTHERM Q20RF Receiver Unit
- Mounting Support / Stand for Thermostat Unit
- Connection Cables/Wires

- User Manual (this document)
- 2 AA Batteries (may be included or sold separately)

4. SETUP AND INSTALLATION

4.1. Thermostat Unit (Transmitter)

The thermostat unit is portable and can be placed on its mounting stand in any room where you want to measure and control the temperature. It requires 2 AA batteries for operation.

1. **Insert Batteries:** Open the battery compartment on the back of the thermostat unit and insert 2 AA batteries, observing the correct polarity.
2. **Placement:** Place the thermostat unit on its stand in a central location in the room, away from direct heat sources, drafts, or direct sunlight.

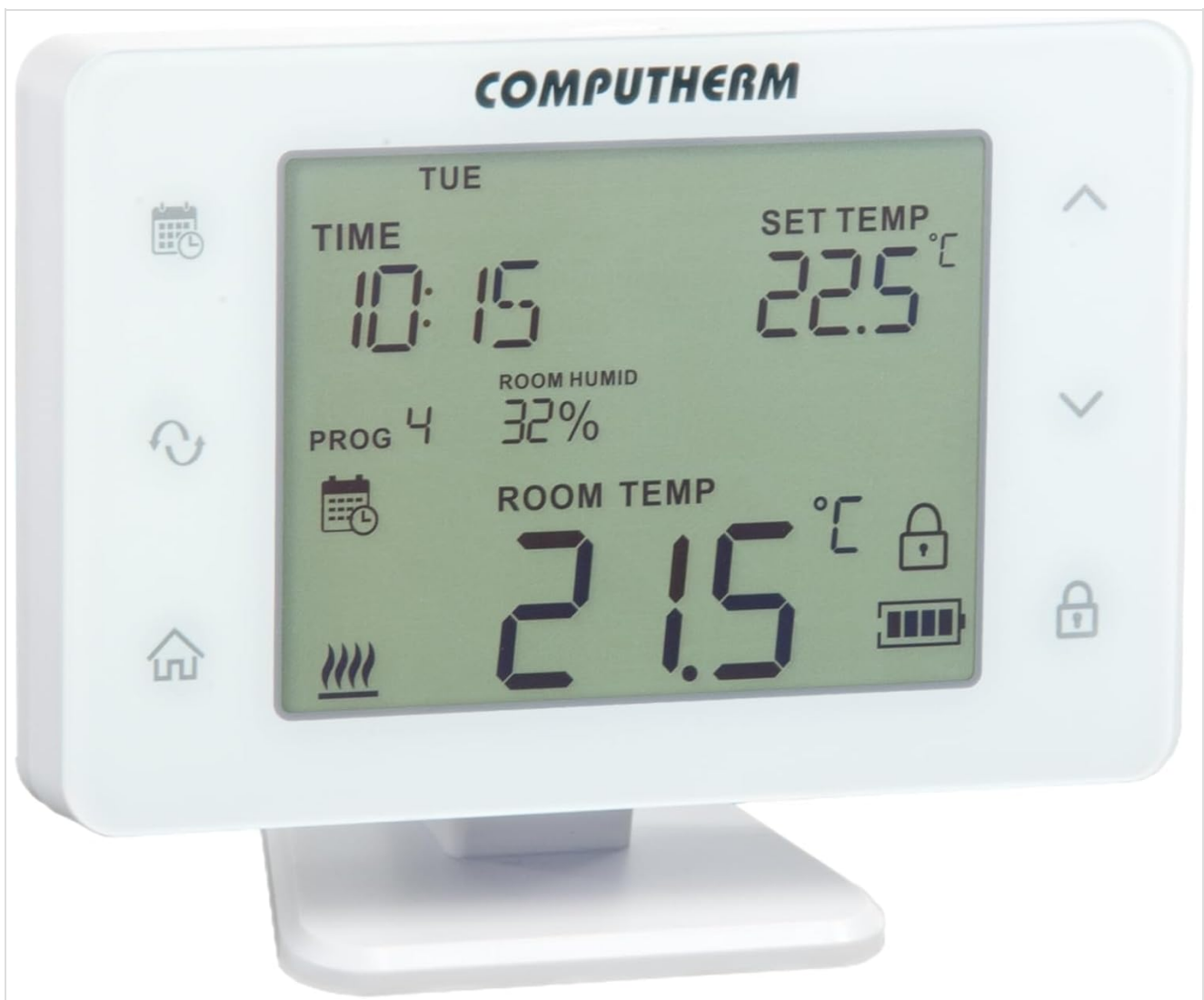


Figure 1: Front view of the COMPUTHERM Q20RF thermostat unit showing the display with time, set temperature, room humidity, and room temperature.



Figure 2: The COMPUTHERM Q20RF thermostat unit placed on a surface in a room setting.

4.2. Receiver Unit Installation

The receiver unit connects directly to your heating or cooling system. This installation should be performed by a qualified professional.

1. **Power Off:** Ensure the main power supply to your heating/cooling system is completely turned off before proceeding.
2. **Mounting:** Mount the receiver unit in a suitable location near your heating/cooling system, ensuring good signal reception from the thermostat unit.
3. **Wiring:** Connect the receiver unit to your heating/cooling system using the provided connection cables according to the wiring diagram specific to your system. Refer to the detailed wiring instructions provided with your heating/cooling appliance or consult a professional. The receiver unit operates on 230 Volts.
4. **Power On:** Once wiring is complete and secure, restore power to your heating/cooling system.



Figure 3: Front view of the COMPUTHERM Q20RF receiver unit with ON/OFF and MANUAL buttons.



Figure 4: Back view of the COMPUTHERM Q20RF receiver unit showing wiring terminals.

4.3. Pairing (Wireless Connection)

The thermostat unit and receiver unit are typically pre-paired at the factory. If they are not communicating, follow the pairing instructions in the full manual or contact support.

5. OPERATING INSTRUCTIONS

5.1. Display and Buttons

The large display shows current time, set temperature, room humidity, and room temperature. The display features a backlight with adjustable brightness. Buttons activate an acoustic signal when touched.

5.2. Operating Modes

The thermostat allows easy switching between various modes:

- **Heating Mode:** Activates the heating system when the room temperature falls below the set temperature.
- **Cooling Mode:** Activates the cooling system when the room temperature rises above the set temperature.
- **Humidifying Mode:** Controls a humidifier to increase room humidity.
- **Dehumidifying Mode:** Controls a dehumidifier to reduce room humidity.

The thermostat also features a humidity limit for cooling. This function allows you to set a humidity level above which

the thermostat will stop cooling to prevent condensation.

5.3. Programming Daily Schedules

You can create independent daily programs for each day of the week. For each day, in addition to a fixed switching time, 10 freely adjustable switching times can be set. A different temperature and humidity can be assigned to each switching time.

1. Access the programming menu (refer to the full manual for specific button sequences).
2. Select the day of the week you wish to program.
3. Set up to 10 switching times and their corresponding desired temperature and humidity levels.
4. Repeat for other days as needed.

5.4. Manual Modes

- **Temporary Manual Mode:** Allows you to override the current program setting for a specified duration (1 to 99 hours or 1 to 99 days) until the next programmed switching time.
- **Permanent Manual Mode:** Maintains a constant temperature setting, overriding all programmed schedules until manually changed.

5.5. Advanced Settings

- **Selectable Switching Sensitivity:** Adjust the temperature differential before the system activates (e.g., 0.1°C, 0.2°C).
- **Temperature and Humidity Sensor Calibration:** Allows for fine-tuning the sensor readings if they appear inaccurate.
- **Pump Protection Function:** Periodically activates the pump to prevent seizing during long periods of inactivity.



Figure 5: The COMPUTHERM Q20RF thermostat unit shown alongside a mobile phone displaying its control application, highlighting Wi-Fi connectivity features.

6. MAINTENANCE

6.1. Battery Replacement

The thermostat unit will indicate low battery power on its display. Replace the 2 AA batteries promptly to ensure continuous operation. Always use new, high-quality alkaline batteries.

6.2. Cleaning

Wipe the thermostat and receiver units with a soft, dry, or slightly damp cloth. Do not use chemical cleaners, abrasives, or solvents, as these can damage the plastic casing and electronic components.

7. TROUBLESHOOTING

If you encounter issues with your COMPUTHERM Q20RF thermostat, try the following steps:

- **No Display / Unit Not Responding:** Check if the batteries in the thermostat unit are correctly inserted and have sufficient charge. Replace them if necessary.
- **Heating/Cooling Not Activating:**
 - Ensure the receiver unit has power.
 - Verify the thermostat is in the correct operating mode (Heating/Cooling).
 - Check the set temperature; it must be above (for heating) or below (for cooling) the current room temperature to trigger the system.
 - Confirm the thermostat and receiver units are paired and within wireless range.
- **Inaccurate Temperature Reading:** Consider calibrating the temperature sensor through the advanced settings menu. Ensure the thermostat is not exposed to drafts, direct sunlight, or other heat sources.
- **Programming Issues:** Review the programming steps in the manual. Ensure the current time and day are set correctly.

If problems persist after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Brand	COMPUTHERM
Model Number	Q20RF
Color	White
Product Dimensions (L x W x H)	225 x 5 x 14 cm (Thermostat unit); 351 grams
Voltage (Receiver)	230 Volts
Power Source (Receiver)	Electric Cable
Batteries (Thermostat)	2 AA batteries required
Connectivity Technology	Wireless (RF)
Control Type	Programmable
Temperature Control Type	Heating, Cooling
Special Feature	Adjustable
Specific Uses for Product	Electric or gas heating or cooling
Manufacturer	Quantrax LTD

9. WARRANTY

COMPUTHERM products are designed for reliability and user-friendliness. This product is covered by a manufacturer's warranty against defects in materials and workmanship under normal use. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims. Information regarding the availability of spare parts is not provided. For detailed warranty information, please refer to the documentation included with your purchase or contact the manufacturer directly.

10. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact the manufacturer:

- **Manufacturer:** Quantrax LTD
- **Website:** Please visit the official COMPUTHERM website for contact details and additional resources.
- **Distributor:** CalorSol GmbH (for specific regions, check your purchase details)

When contacting support, please have your product model number (Q20RF) and proof of purchase readily available.

