

sygonix SY-4961570

sygonix SY-4961570 Room Thermostat User Manual

Model: SY-4961570

1. INTRODUCTION

Thank you for choosing the sygonix SY-4961570 Room Thermostat. This device is designed to provide precise temperature control for your indoor environment, helping to optimize energy consumption. It features a touch-sensitive LCD display, integrated and external sensors, and a programmable weekly schedule, including a vacation mode. This manual provides essential information for the safe and efficient operation of your thermostat.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Disconnect power at the circuit breaker before installing or servicing the thermostat.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to disassemble or repair the thermostat yourself. Contact qualified service personnel.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- sygonix SY-4961570 Room Thermostat
- User Manual (this document)
- Mounting screws (may be included)
- External sensor (if applicable, check your specific package)

4. PRODUCT OVERVIEW

4.1 Front View and Display



Figure 1: Front view of the sygonix SY-4961570 Room Thermostat. The display shows the current time (e.g., 18:58), the set temperature (e.g., 23.5°C), and the actual room temperature (e.g., 24.5°C). Below the display are touch buttons for power, settings, OK, and up/down arrows.

The thermostat features a 62 x 62 mm blue backlit LCD touch screen for easy interaction. It displays the current time, the desired set temperature, and the actual room temperature. Control buttons are integrated into the touch interface.

4.2 Rear View and Wiring Terminals



Figure 2: Rear view of the sygonix SY-4961570 Room Thermostat, illustrating the wiring connections. Clearly visible are terminals labeled L1, N1, N, L, and additional terminals 5 and 6, along with a wiring diagram for heating elements.

The rear of the thermostat provides access to the wiring terminals for electrical connection to your heating system. A diagram is typically provided on the unit itself for correct installation.

5. SETUP AND INSTALLATION

1. **Power Disconnection:** Before beginning any installation, ensure the main power supply to your heating system is turned off at the circuit breaker.
2. **Mounting Location:** Choose a suitable indoor location, away from direct sunlight, drafts, or heat sources that could affect temperature readings. The thermostat should be mounted at approximately 1.5 meters (5 feet) above the floor.
3. **Wiring:**
 - Carefully remove the front panel of the thermostat to access the wiring terminals.
 - Connect the electrical wires from your heating system to the corresponding terminals on the thermostat (refer to the wiring diagram on the back of the unit or in the full installation guide). Typical connections include Live (L), Neutral (N), and heating load connections.
 - If an external sensor is used, connect it to the designated terminals (e.g., 5 and 6).
 - Ensure all connections are secure and correctly insulated.
4. **Mounting:** Secure the thermostat base to the wall using the provided mounting screws.

5. **Reassemble:** Carefully reattach the front panel to the thermostat base.
6. **Power Restoration:** Restore power to your heating system at the circuit breaker. The thermostat display should illuminate.

Note: If you are unsure about any part of the installation process, consult a qualified electrician.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the **Power** button (usually represented by a circle with a vertical line) to turn the thermostat on or off. The thermostat retains settings even when powered off.
- **Display:** The LCD screen displays the current time, the set temperature, and the actual room temperature. The backlight provides visibility in low light conditions.
- **Adjusting Temperature:** Use the **Up** and **Down** arrow buttons to manually adjust the desired set temperature. Press **OK** to confirm the setting.

6.2 Weekly Program Mode

The weekly program allows you to set different temperatures for various times of the day and days of the week, optimizing energy usage by heating only when necessary.

1. Press the **SET** button to enter the programming menu.
2. Navigate through the options using the **Up** and **Down** arrows.
3. Select the weekly program mode (refer to the on-screen icons or specific manual for exact navigation).
4. Set the desired time periods and corresponding temperatures for each day of the week.
5. Confirm each setting with the **OK** button.
6. Exit the programming menu by pressing **SET** again or waiting for a timeout.

6.3 Vacation Mode

The vacation mode is useful for extended periods of absence, allowing the thermostat to maintain a lower, energy-saving temperature without overriding your regular weekly program settings.

1. Access the vacation mode setting through the **SET** menu.
2. Set the desired duration for the vacation period (e.g., number of days).
3. Set the desired temperature to be maintained during the vacation period.
4. Confirm with **OK**. The thermostat will automatically revert to the regular program after the vacation period ends.

7. MAINTENANCE

- **Cleaning:** Wipe the thermostat's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays.
- **No User Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open the casing.
- **Sensor Care:** Ensure the internal and external sensors are free from dust and obstructions for accurate temperature readings.

8. TROUBLESHOOTING





























Problem	Possible Cause	Solution
Display is blank	No power supply.	Check the circuit breaker and ensure power is restored to the thermostat. Verify wiring connections.
Heating system not responding	Incorrect wiring; thermostat not calling for heat; heating system issue.	Verify wiring connections. Ensure the set temperature is higher than the room temperature. Check your heating system for faults.
Inaccurate temperature reading	Sensor obstruction; thermostat location issues.	Ensure sensors are clean and unobstructed. Relocate the thermostat if it's in direct sunlight or near a heat source/draft.
Programmed schedule not working	Incorrect program settings; vacation mode active.	Review and adjust your weekly program settings. Deactivate vacation mode if it is no longer needed.

9. SPECIFICATIONS

- **Brand:** sygonix
- **Model Number:** SY-4961570
- **Color:** Blue (display backlight)
- **Product Dimensions (L x W x H):** 16 x 16 x 29 cm
- **Weight:** 230 g
- **Voltage:** 230 Volts
- **Special Feature:** Vacation Mode
- **Display Type:** LCD
- **Screen Size:** 10 Centimeters (diagonal, approximate)
- **Control Method:** Touch
- **Backlight:** Yes
- **Sensors:** Integrated and External

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official sygonix website. Keep your proof of purchase for warranty claims.

  Wi-Fi Thermostat Series: 3026090 	<p>Sygonix Wi-Fi Thermostat Operating Instructions - Model 3026090</p> <p>Comprehensive operating instructions for the Sygonix Wi-Fi Thermostat (Item no: 3026090). Learn how to install, configure, and use manual, holiday, and program modes, manage device security, connect to the mobile app, and understand technical specifications.</p>
    	<p>Sygonix Wireless Heating Thermostat Operating Instructions - Item 2735095</p> <p>Detailed operating instructions for the Sygonix wireless heating thermostat (Item no. 2735095). Learn about intended use, installation, operation, programming, safety, and technical specifications for efficient home temperature control.</p>
    	<p>Sygonix Touch Code Lock 1717531: Factory Reset Instructions</p> <p>Provides an alternative method to reset the Sygonix Touch Code Lock (Item No. 1717531) to factory settings when the standard procedure fails. Includes detailed steps, pin identification, and troubleshooting for master code issues.</p>
    	<p>Sygonix Wireless Heating Thermostat - Operating Instructions and Technical Data</p> <p>Comprehensive operating instructions and technical specifications for the Sygonix wireless heating thermostat (Item no. 2735095), covering intended use, components, installation, operation, programming, safety, and disposal.</p>
    	<p>Sygonix WLAN-Universal-Thermostat: Operating Instructions & Setup Guide</p> <p>Comprehensive guide for the Sygonix WLAN-Universal-Thermostat (Item No. 3412049). Learn about setup, programming, app control, safety precautions, and technical specifications for smart temperature management.</p>
    	<p>Sygonix TUYA Smart Zigbee Radiator Thermostat User Manual & Safety Instructions</p> <p>Comprehensive user manual and safety instructions for the Sygonix TUYA Smart Zigbee Radiator Thermostat (Item No. 3376459), detailing intended use, safety precautions, cleaning, disposal, and technical specifications. Compatible with Smart Life app, Google Home, and Amazon Alexa.</p>