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Srliya HY609WE

Srliya Smart Thermostat HY609WE User Manual

Indoor Intelligent Temperature Controller with LCD (AC90-240V)

1. Introduction

The Srliya HY609WE Smart Thermostat is an advanced indoor temperature controller designed for electric heating systems. It features a large LCD and touch button operation, providing precise temperature control and energy-saving capabilities. Utilizing microcomputer control technology, the thermostat monitors indoor temperature and adjusts heating equipment operation to maintain a constant, comfortable environment.
Key features include:

- Programmable functions for customized heating schedules.
- Large LCD display showing indoor temperature, set temperature, day of the week, clock, and operating status.
- Touch button interface for simple and intuitive operation.
- Mobile control capabilities (requires compatible smart home system, not detailed in this manual).
- Classic holiday mode to optimize energy savings during extended absences.
- Wall-mounted design for straightforward installation.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- **Electrical Hazard:** Installation must be performed by a qualified electrician in accordance with local electrical codes.
- **Power Disconnection:** Always disconnect power to the heating system at the main circuit breaker before installing or servicing the thermostat.
- **Voltage Compatibility:** Ensure the thermostat's voltage rating (AC90-240V) matches your electrical supply.
- **Load Capacity:** Do not exceed the specified load current (16A for electric heating).
- **Water Exposure:** Do not install the thermostat in locations where it may be exposed to water or excessive humidity.
- **Children Safety:** Keep the device out of reach of children.

3. Package Contents

Verify that all items are present in the package:

- Srliya HY609WE Smart Thermostat Unit
- External Temperature Sensor Cable
- Mounting Screws (2 pcs)
- User Manual (this document)



Image 3.1: The Srliya HY609WE Smart Thermostat unit, accompanied by its external temperature sensor cable and two mounting screws.

4. Product Overview

The Srliya HY609WE thermostat features a sleek design with an integrated LCD and touch-sensitive buttons for easy interaction.

4.1 Front Panel

Image 4.1: Front view of the thermostat, showing the LCD screen and touch control areas.

The front panel includes the main LCD display and several touch buttons for control. The display provides real-time information on temperature, time, and operating modes.

4.2 Touch Buttons

Image 4.2: Detailed view of the touch-sensitive control buttons on the thermostat's front panel, including power, mode, and temperature adjustment.

The touch buttons typically include:

- **Power Button:** To turn the thermostat on or off.
- **Mode/Program Button:** To switch between manual, automatic (programmed), or holiday modes.
- **Up/Plus Button (+):** To increase temperature settings or navigate menus.
- **Down/Minus Button (-):** To decrease temperature settings or navigate menus.

5. Specifications

Parameter	Value
Model	HY609WE
Control Type	Temperature
Measurement Object	Room temperature

Working Voltage	AC90~240V, 50/60HZ
Load Current (Electric Heating)	16A
Temperature Control Accuracy	±0.5℃
Set Temperature Range	5℃-35℃
Limited Temperature Range	1-70℃
Item Weight	6.7 ounces (approx. 190g)
Package Dimensions	4.33 x 3.94 x 2.36 inches

6. Installation

Professional installation by a qualified electrician is strongly recommended to ensure safety and proper functionality.

6.1 Wiring Diagram

Before proceeding, ensure the main power supply to your heating system is turned OFF at the circuit breaker.



Image 6.1: Rear view of the thermostat showing the wiring terminals and labels for power, load, and external sensor connections.

The back of the thermostat features clearly labeled terminals for electrical connections. Refer to the diagram on the back of the unit and the image above for correct wiring:

- **L1, N:** Power input (AC90-240V).
- **1, 2:** Load output (to heating element).
- **3, 4:** External NTC temperature sensor connection.

6.2 Mounting

1. Carefully separate the front panel from the back mounting plate.

2. Mount the back plate securely to a standard electrical wall box using the provided screws. Ensure the plate is level.
3. Connect the electrical wires to the appropriate terminals on the back plate as per the wiring diagram (Section 6.1).
4. Connect the external temperature sensor cable to terminals 3 and 4.
5. Carefully reattach the front panel to the mounted back plate, ensuring all connections are secure and no wires are pinched.
6. Restore power to the heating system at the main circuit breaker.

7. Operation

Once installed and powered on, the thermostat will display the current indoor temperature. Use the touch buttons to control your heating system.

7.1 Power On/Off

Press the **Power** button (usually indicated by a circle with a vertical line) to turn the thermostat on or off. When off, the display may show only the time or be blank.

7.2 Setting Temperature

In normal operating mode, use the **Up (+)** and **Down (-)** buttons to adjust the desired target temperature. The new setting will be displayed and typically saved automatically.

7.3 Operating Modes

The thermostat supports various operating modes, typically switched using a **Mode** or **Program** button:

- **Manual Mode:** Maintains a constant temperature set by the user until changed.
- **Automatic/Program Mode:** Follows a pre-set weekly schedule. The LCD will indicate when this mode is active.
- **Holiday Mode:** Sets the thermostat to a lower, energy-saving temperature for a specified duration, ideal for when you are away. Consult the on-screen menu for setting holiday duration.

7.4 LCD Display Information

The LCD provides comprehensive information at a glance:

- Current Indoor Temperature
- Set Target Temperature
- Day of the Week
- Current Time
- Operating Mode Indicator (e.g., manual, auto, holiday)
- Heating Status Indicator (e.g., flame icon when heating is active)

8. Maintenance

The Srliya HY609WE Smart Thermostat requires minimal maintenance.

- **Cleaning:** Gently wipe the screen and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray

directly onto the unit.

- **Avoid Obstructions:** Ensure the thermostat is not covered by curtains, furniture, or other objects that could obstruct airflow and affect temperature readings.
- **Regular Checks:** Periodically check the wiring connections for tightness, especially after initial installation.

9. Troubleshooting

If you encounter issues with your thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat is blank/no display	No power supply	Check circuit breaker. Ensure wiring is correct and secure.
Heating not turning on/off	Incorrect wiring; Thermostat in wrong mode; Temperature setting too low/high	Verify wiring connections. Switch to manual mode and adjust temperature. Check program schedule.
Inaccurate temperature reading	Sensor issue; Thermostat location affected by drafts/heat sources	Ensure external sensor is properly connected and not damaged. Relocate thermostat if exposed to direct sunlight or drafts.
Buttons unresponsive	Temporary software glitch; Screen dirty	Try restarting the thermostat by cycling power at the breaker. Clean the screen with a soft, dry cloth.

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the point of purchase or contact Srliya customer service. Keep your purchase receipt as proof of purchase.
Manufacturer: Srliya
Model: HY609WE

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