

Zerodis Zerodiswqgo2vdr87

Zerodis Programmable 16A Digital LCD Thermostat User Manual

Model: Zerodiswqgo2vdr87

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Zerodis Programmable 16A Digital LCD Thermostat. This Wi-Fi compatible thermostat is designed for electric heating systems, offering precise temperature control and smart home integration. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

Important Safety Instructions:

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Always disconnect power at the circuit breaker before installing or servicing the thermostat.
- This thermostat requires a neutral conductor and a phase wire for power supply. It cannot replace a battery-powered thermostat.
- Do not operate the thermostat with wet hands.
- Ensure all wiring connections are secure to prevent short circuits or electrical hazards.
- Do not expose the thermostat to excessive moisture or extreme temperatures.

PRODUCT OVERVIEW

The Zerodis Programmable Thermostat features a large LCD digital display and touch-sensitive buttons for easy operation. It is designed to control electric heating systems, including water floor heating.

Thermostat Components



Figure 1: Front View of the Thermostat. This image shows the white square thermostat with a large central LCD screen and five touch buttons below the screen.

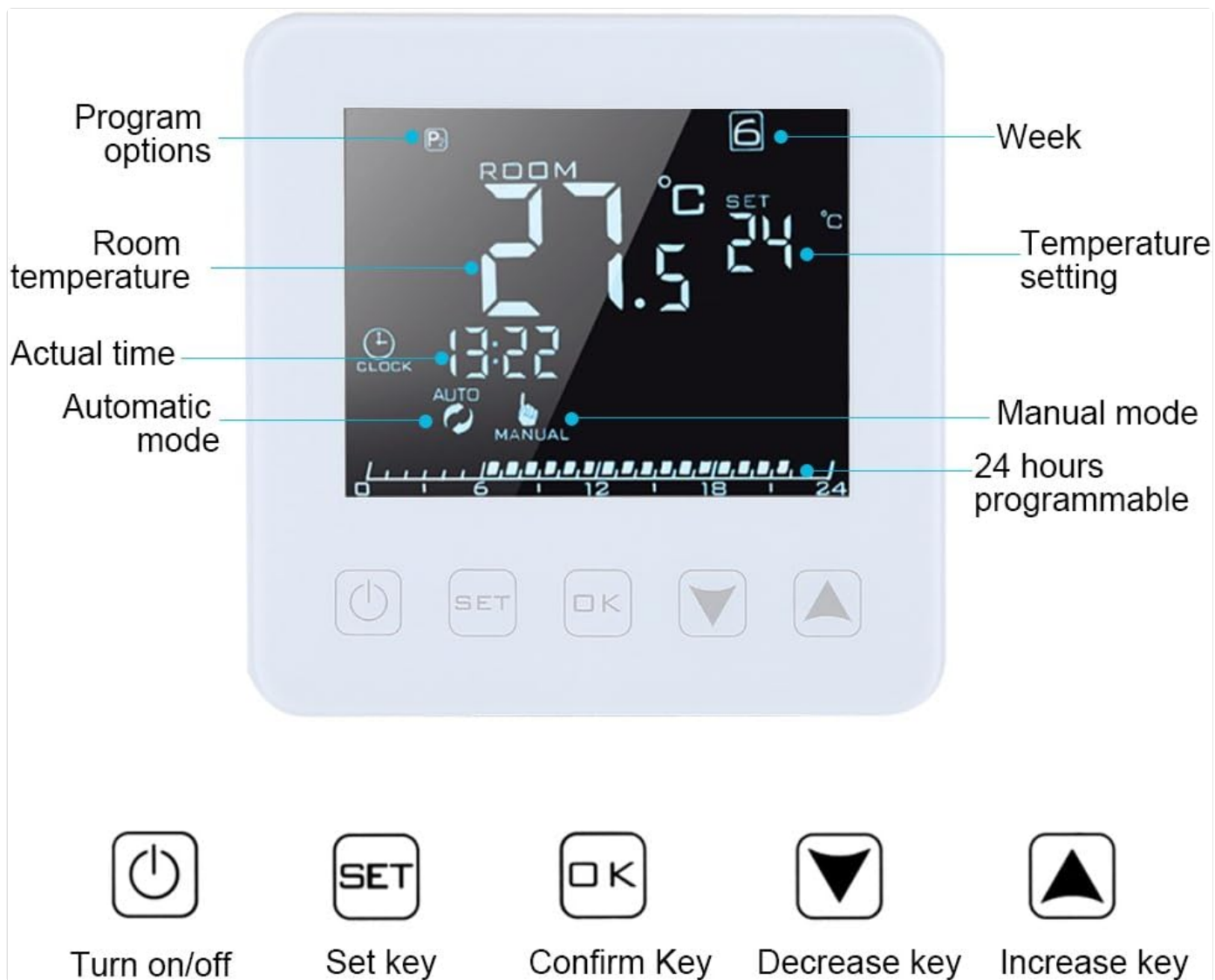


Figure 2: Display Elements and Button Functions. This image labels the various indicators on the LCD screen, including program options, room temperature, actual time, automatic mode, manual mode, week, temperature setting, and 24-hour programmable bar. It also labels the five touch buttons: Power On/Off, Set key, Confirm Key (OK), Decrease key, and Increase key.



Figure 3: Front, Side, and Back Views. This composite image shows the thermostat from the front, a slim side profile, and the back plate with the wiring terminals and electrical specifications.

Application Scenarios



Electric floor heating



Wall-hung boiler heating



Water floor heating



Wall-hung boiler heating

Figure 4: Heating Applications. This image illustrates various heating systems compatible with the thermostat, including electric floor heating, wall-hung boiler heating, and water floor heating, along with a general room setting.

Display Icons

The thermostat's LCD screen uses various icons to indicate its status and active functions:

- **6 Period Program:** Indicates the current program period is active.
- **Cloud Icon:** Shows the Wi-Fi connection status.
- **ROOM:** Displays the current room temperature.
- **SET:** Indicates the set or desired temperature.
- **Heating Mode:** Symbolizes that the heating system is currently active.
- **Lock:** Signifies that the child lock function is enabled.
- **Fault Warning:** Alerts to an error or malfunction.
- **Weekly Program Choice:** Indicates that a weekly program schedule is active.
- **Automatic Mode:** The thermostat is operating according to the programmed schedule.
- **Manual Mode:** The thermostat is maintaining a manually set temperature.
- **Holiday Mode:** The thermostat is set to a specific temperature for a defined holiday duration.

- **NTC Floor Sensor:** Indicates that an external floor temperature sensor is connected and active.

SETUP

Installation

Before proceeding with installation, ensure the main power supply to the heating system is turned off at the circuit breaker.



Figure 5: Thermostat Back Plate and Wiring Terminals. This image displays the rear of the thermostat, showing the terminal block with labels for electrical connections (N, L, Load 1, Load 2, NTC sensor 3, 4, 5).

Wiring Diagram (Refer to Figure 5 and Figure 6):

1. Connect the Neutral (N) wire from your power supply to terminal 3.
2. Connect the Live (L) wire from your power supply to terminal 4.
3. Connect the Neutral (N) wire of your heating load to terminal 1.
4. Connect the Live (L) wire of your heating load to terminal 2.
5. If using an external floor sensor (NTC), connect it to terminals 5 and 6.
6. Ensure all connections are tight and secure.

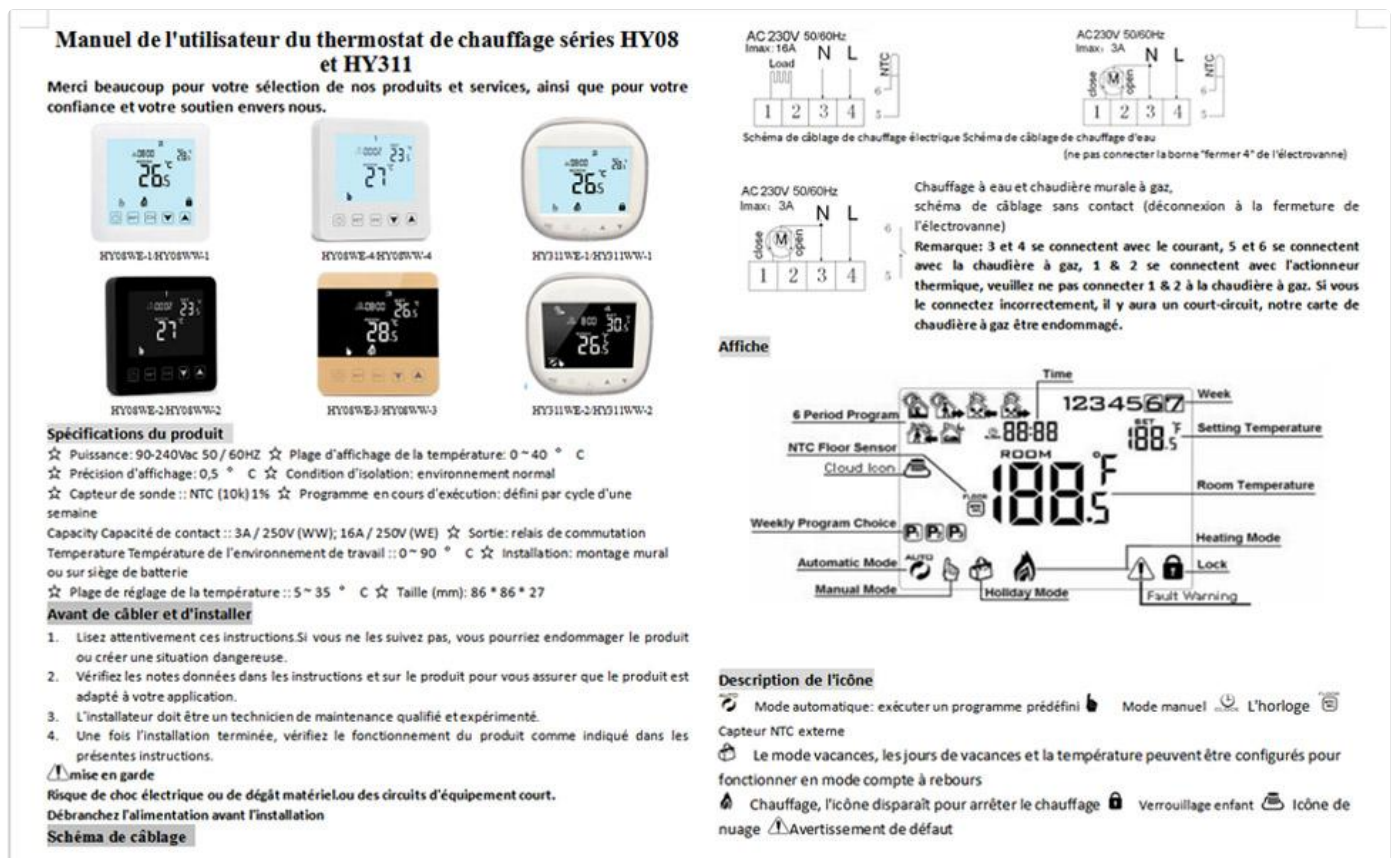


Figure 6: Wiring Schematics. This image provides detailed wiring diagrams for electric heating, water floor heating, and wall-hung boiler heating. It also shows the thermostat display with various icons and a table describing their functions.

After wiring, mount the thermostat securely to the wall box using the provided screws. Restore power at the circuit breaker.

Initial Power-On and Wi-Fi Connection

Upon first power-on, the thermostat will display the current room temperature and time.

- **Wi-Fi Connectivity:** The thermostat supports 2.4 GHz Wi-Fi. Download the "Smart Life" or "Tuya" app on your smartphone.
- Follow the in-app instructions to add your device. This typically involves putting the thermostat into pairing mode (refer to the app for specific button combinations, often holding a button for several seconds until a Wi-Fi icon flashes).
- Once connected, you can control the thermostat remotely via the app.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press the (Power) button to turn the thermostat on or off.
- **Temperature Adjustment:** In manual mode, use the ▼ (Decrease) and ▲ (Increase) buttons to set your desired temperature. The set temperature will be displayed.
- **Mode Selection:** Press the "SET" button to cycle through different modes (Manual, Program, Holiday).

Weekly Programming

The thermostat offers flexible programming options (5/2 days, 6/1 days, or 7/0 days) with up to 6 time periods per day. This allows you to optimize heating schedules for energy savings.

1. Press the "SET" button until "Program" mode is active.
2. Use the "SET" button to navigate through the programming periods (e.g., P1, P2, P3...).
3. Use the ▼ and ▲ buttons to adjust the start time and desired temperature for each period.
4. Press "OK" to confirm settings for each period.
5. The thermostat will automatically follow the programmed schedule.

App and Voice Control

- **Smart Life/Tuya App:** Once connected to Wi-Fi, use the app to remotely adjust temperature, create schedules, set up smart scenes, and share control with family members.
- **Voice Assistants (Alexa/Google Assistant):** Link your Smart Life/Tuya account with Alexa or Google Assistant. You can then use voice commands like "Alexa, set the living room thermostat to 22 degrees" to control your heating.

Advanced Functions

- **Open Window Detection:** This feature automatically pauses heating if a rapid drop in room temperature is detected, preventing energy waste. This function can be enabled/disabled in the settings menu (refer to the full digital manual or app for specific steps).
- **Child Lock:** To prevent accidental changes, activate the child lock function. This typically involves holding a combination of buttons for a few seconds.
- **Temperature Calibration:** If you notice a discrepancy between the thermostat's reading and an accurate thermometer, you can calibrate the temperature in the advanced settings.
- **Data Storage:** The thermostat retains your settings even after a power outage.

MAINTENANCE

The Zerodis thermostat requires minimal maintenance.

- Clean the screen and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the thermostat's vents (if any) are not obstructed to allow for accurate temperature sensing.
- Periodically check wiring connections for tightness, especially after initial installation.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Thermostat display is blank.	No power supply.	Check the circuit breaker. Ensure wiring connections are correct and secure.
Heating not turning on/off as expected.	Incorrect mode (e.g., Manual instead of Program), incorrect temperature setting, wiring issue.	Verify the operating mode and temperature settings. Check heating load wiring.
Wi-Fi connection fails.	Incorrect Wi-Fi password, 5GHz network, router too far, pairing mode not active.	Ensure you are connecting to a 2.4 GHz Wi-Fi network. Re-enter password. Move router closer or use a Wi-Fi extender. Re-initiate pairing mode on the thermostat.
Inaccurate temperature reading.	Thermostat location, external sensor issue, calibration needed.	Ensure thermostat is not in direct sunlight or near heat sources. If using an external sensor, check its connection. Perform temperature calibration if necessary.
Touch buttons are overly sensitive.	Normal operation, or accidental touches.	Activate the child lock function to prevent unintended changes.

SPECIFICATIONS

Feature	Detail
Brand	Zerodis
Model Number	Zerodiswqgo2vdr87
ASIN	B07D7LG8ZF
Specific Use	Heating
Power Source	Electric Cable
Voltage	250 Volts
Max Current	16A (for heating load)
Connectivity Technology	Wi-Fi (2.4 GHz)
Controller Type	Touch Control, Voice Assistant (Alexa, Google Assistant)
Special Feature	Programmable (5/2, 6/1, 7/0 days, 6 periods/day), Open Window Detection, Child Lock, Temperature Calibration, Data Storage
Color	White
Batteries Required	No
Included Components	Thermostat unit, external sensor cable, mounting screws (as seen in Figure 7)



Figure 7: Included Components. This image shows the thermostat unit, an external NTC sensor cable, and two mounting screws, which are typically included with the product.



Figure 8: Thermostat Dimensions. This image shows the front of the thermostat with a measurement indicating a width of 8.5cm (3.34 inches).

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Zerodis customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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