

A2ZWORLD LL0250

LEDLUX LL0250 Digital Programmable Thermostat User Manual

Model: LL0250

1. PRODUCT OVERVIEW

The LEDLUX LL0250 is a multifunction, simple, wall-mounted digital programmable thermostat designed for controlling wall-mounted gas boilers and water radiator heating systems. It features an LCD screen with intuitive buttons for easy operation and programming. This thermostat allows users to set different schedules and temperatures for up to six distinct periods, optimizing both comfort and energy savings. It is powered by two AA batteries and can be installed directly on a wall without requiring a flush-mounted electrical box.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Installation should be performed by a qualified electrician or heating technician to ensure safety and proper functionality.
- Always disconnect power to the heating system before performing any wiring or maintenance.
- Do not expose the thermostat to water or excessive humidity.
- Use only the specified battery type (2x AA). Do not mix old and new batteries or different types of batteries.

3. PACKAGE CONTENTS

- LEDLUX LL0250 Digital Programmable Thermostat
- Mounting Screws and Wall Anchors
- User Manual (this document)

Note: 2x AA batteries are required for operation and are not included in the package.

4. PRODUCT FEATURES

- Large LCD display for clear temperature and time readings.
- Programmable for up to 6 daily time slots with individual temperature settings.
- Manual override function for temporary temperature adjustments.
- Wall-mounted design, suitable for direct surface installation.
- Compatible with wall-mounted gas boilers and water radiator heating systems.
- Battery-powered (2x AA) for flexible placement.

5. INSTALLATION

5.1 Mounting Location

Choose a central location in the room, away from direct sunlight, drafts, or heat sources (e.g., radiators, lamps). The recommended mounting height is approximately 1.5 meters (5 feet) from the floor.

5.2 Wiring

1. **Turn off the power** to your heating system at the main circuit breaker before proceeding.
2. Carefully open the thermostat casing to access the wiring terminals.
3. Connect the two wires from your boiler to the designated terminals on the thermostat. The LL0250 typically uses a simple two-wire connection for boiler control (often labeled NO and COM or similar). Refer to your boiler's manual for specific wiring requirements.
4. Ensure all connections are secure.

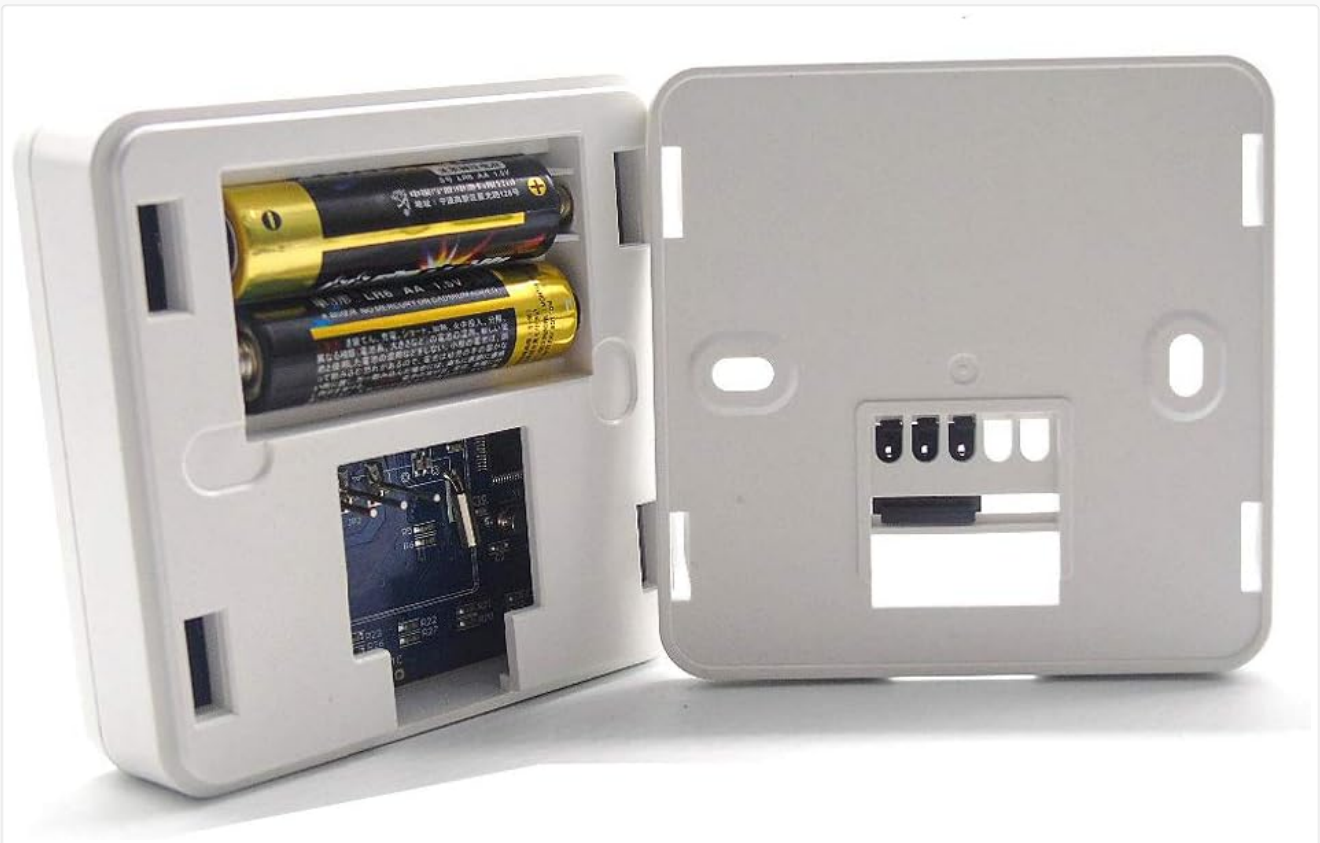


Image: Rear view of the thermostat showing the battery compartment and wiring terminals. The terminals are typically located on the right side when the back cover is removed.

5.3 Wall Mounting

1. Mark the desired mounting holes on the wall using the thermostat's back plate as a template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the thermostat's back plate to the wall using the provided screws.
4. Carefully attach the main thermostat unit to the mounted back plate, ensuring it clicks securely into place.

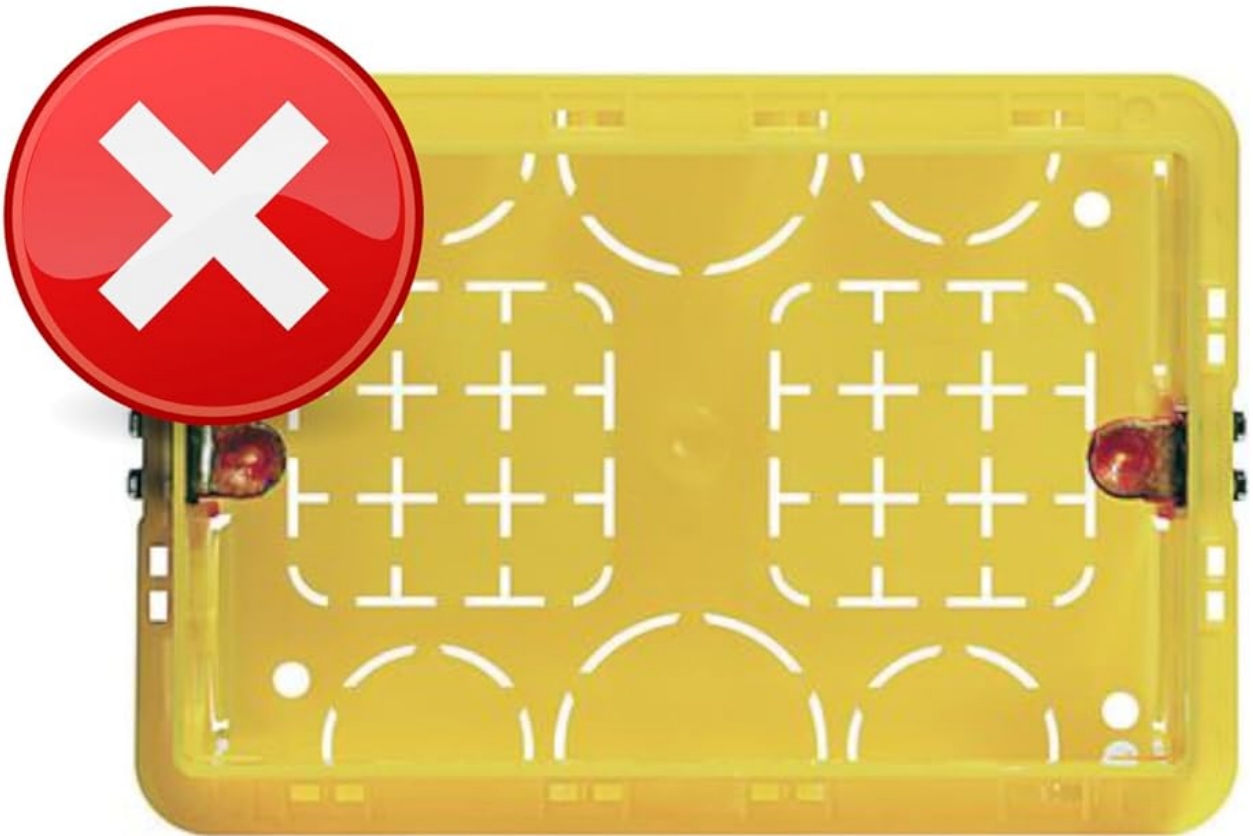
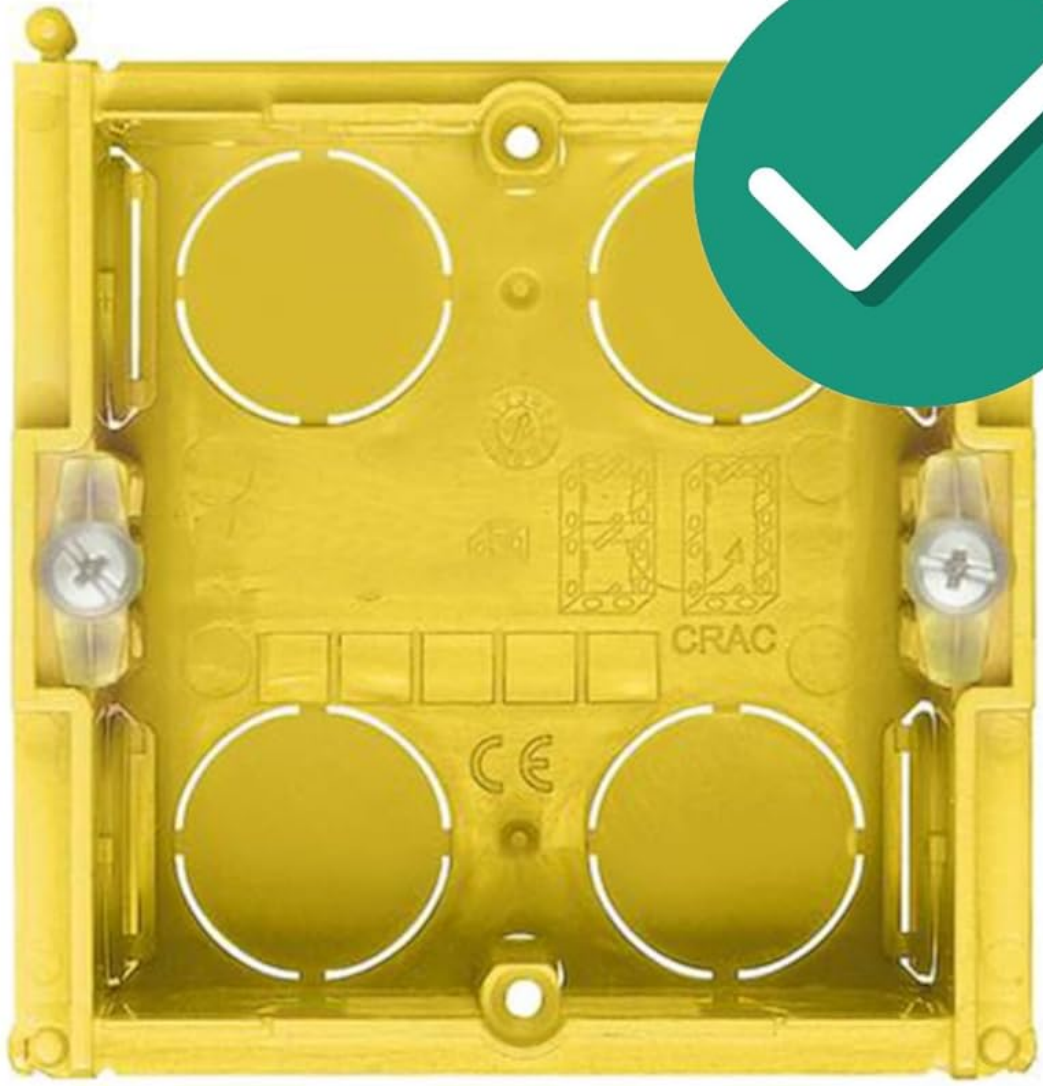


Image: Illustration indicating that the thermostat can be mounted directly on the wall without requiring a specific flush-mounted electrical box (represented by the green checkmark over a standard box and a red cross over an incompatible box).

5.4 Battery Installation

1. Open the battery compartment on the back of the thermostat.
2. Insert two new AA alkaline batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

6. INITIAL SETUP

6.1 Setting Time and Day

1. Press the **SET** button briefly. The time display will start flashing.
2. Use the **Up (▲)** and **Down (▼)** arrows to adjust the hour.
3. Press **OK** to confirm the hour and move to minutes.
4. Use the **Up (▲)** and **Down (▼)** arrows to adjust the minutes.
5. Press **OK** to confirm the minutes and move to the day of the week.
6. Use the **Up (▲)** and **Down (▼)** arrows to select the current day (e.g., 1 for Monday, 2 for Tuesday, etc.).
7. Press **SET** or wait a few seconds for the settings to be saved automatically.

7. OPERATING MODES

The thermostat offers two primary operating modes: Manual and Programmable.



Image: Front view of the thermostat showing the LCD screen with current temperature (19.5°C), set temperature (21.5°C), time (00:03), and the 'MANUAL' mode indicator. A flame icon is visible, indicating active heating.

7.1 Manual Mode

In Manual Mode, the thermostat maintains a constant temperature set by the user until it is manually changed. This mode is indicated by a **hand icon** on the bottom left of the display.

1. If not already in Manual Mode, press the **SET** button briefly until the hand icon appears.
2. Use the **Up (▲)** and **Down (▼)** arrows to adjust the desired temperature. The 'SET' temperature will flash as you adjust it.
3. The thermostat will now maintain this temperature. When the room temperature falls below the set temperature, a **flame icon** will appear on the display, indicating that the heating system is active.

7.2 Programmable Mode (AUTO)

In Programmable Mode, the thermostat follows a pre-set schedule of temperatures and times. This mode is indicated by two arrows forming a circle with the word **AUTO** above it.

1. To switch to Programmable Mode from Manual Mode, press the **SET** button briefly until the AUTO icon appears.
2. The thermostat will now operate according to the programmed schedule.

8. PROGRAMMING THE SCHEDULE

The LL0250 allows you to set up to 6 distinct time periods (P1-P6) for each day, each with its own start time and desired temperature. To enter programming mode, **long-press the SET button**.

When in programming mode, icons representing different daily activities will appear on the top left of the display to indicate the current time slot being programmed.

1. **Long-press the SET button** until an icon (e.g., a person waking up) appears on the top left, indicating the first time slot (P1).
2. The hour display will flash. Use the **Up (▲)** and **Down (▼)** arrows to set the start hour for P1.
3. Press **OK** to confirm the hour and move to minutes.
4. Use the **Up (▲)** and **Down (▼)** arrows to set the start minutes for P1.
5. Press **OK** to confirm the minutes and move to the temperature setting.
6. Use the **Up (▲)** and **Down (▼)** arrows to set the desired temperature for P1.
7. Press **OK** to confirm the temperature. The display will then automatically advance to the next time slot (P2), indicated by a new icon (e.g., a person leaving home).
8. Repeat steps 2-7 for all 6 time slots (P1 to P6). Even if you don't use all 6 slots, you must set a time and temperature for each. For unused slots, you can set a low temperature (e.g., 17°C) to ensure heating is off.
9. After setting P6, press **SET** or wait a few seconds for the settings to be saved and to exit programming mode.

Example Programming Logic:

Consider a schedule where heating is desired in the morning and evening:

- **P1 (Waking Up Icon):** Start 06:15, Temperature 24°C (Morning warmth)
- **P2 (Leaving Home Icon):** Start 07:00, Temperature 17°C (Heating off while away)
- **P3 (Lunch Return Icon):** Start 12:00, Temperature 17°C (Still off, or set higher if home for lunch)
- **P4 (Leaving Home Again Icon):** Start 13:00, Temperature 17°C (Heating off again)
- **P5 (Evening Return Icon):** Start 18:30, Temperature 24°C (Evening warmth)
- **P6 (Sleeping Icon):** Start 20:00, Temperature 17°C (Heating off for the night)

9. MAINTENANCE

9.1 Battery Replacement

When the battery indicator appears on the display, replace the batteries promptly to ensure continuous operation. Follow the battery installation steps in Section 5.4.

9.2 Cleaning

Wipe the thermostat's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the unit.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Thermostat display is blank.	Dead or incorrectly installed batteries.	Replace batteries with new AA alkaline batteries, ensuring correct polarity.
Heating system not turning on/off.	Incorrect wiring; Thermostat in wrong mode (e.g., Manual mode with low set temp); Programmed schedule issue; Boiler fault.	Check wiring connections (ensure power is off first). Verify thermostat is in the desired operating mode (Manual or AUTO). Review programmed schedule for correct times and temperatures. Consult boiler manual or a technician if boiler fault is suspected.
Boiler runs continuously (e.g., all night).	Incorrect programming; Thermostat stuck in ON state; Wiring issue.	Review your programmed schedule carefully, especially for night time slots (P6) to ensure a low temperature is set. Switch to Manual mode and set a very low temperature to see if the boiler turns off. Check wiring for shorts or incorrect connections. If the issue persists, consult a qualified technician.
Temperature readings seem inaccurate.	Thermostat placed in an unsuitable location (direct sunlight, draft, near heat source).	Relocate the thermostat to a more central and stable temperature area, away from external influences.

11. SPECIFICATIONS

- **Brand:** A2ZWORLD
- **Model Number:** LL0250
- **Color:** White
- **Material:** Plastic
- **Power Supply:** 2x AA Batteries (3 Volts)
- **Product Dimensions (L x W x H):** 8.6 x 8.6 x 2.9 cm (3.39 x 3.39 x 1.14 inches)
- **Item Weight:** 172 grams (0.38 lbs)
- **Control Type:** Push-button
- **Special Feature:** Programmable
- **Temperature Control Type:** Digital

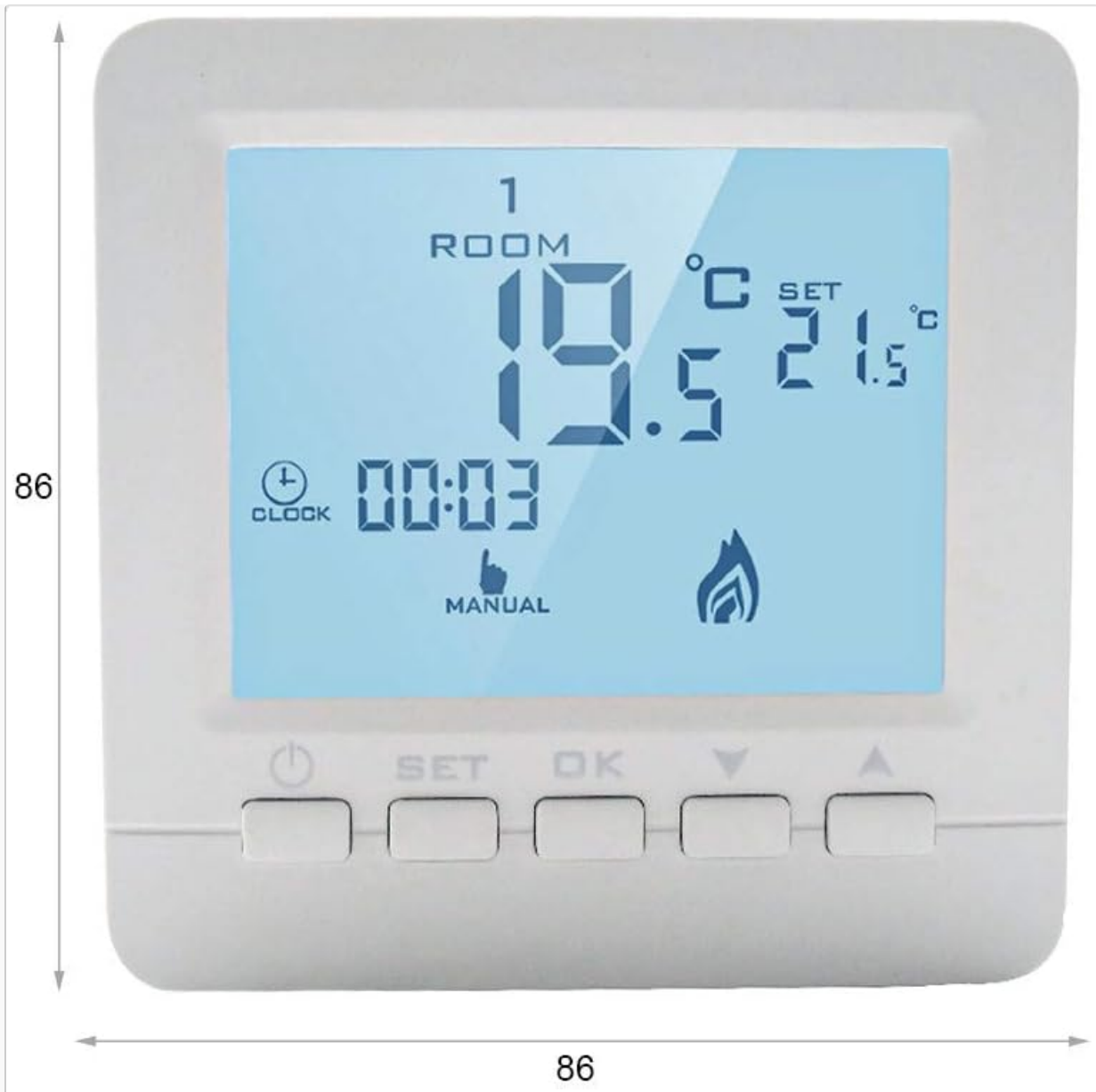


Image: Diagram illustrating the dimensions of the thermostat, indicating a width and height of 86mm (8.6 cm).



Image: Side view of the thermostat, with a close-up inset showing the location of the built-in 10K temperature sensor.

12. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.