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Lioaeust 1118655269

Lioaeust Smart Digital Thermostat

MODEL: 1118655269

User Manual

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Lioaeust Smart Digital Thermostat, Model 1118655269. This device is designed to intelligently control boiler systems for both floor and water heating, ensuring optimal comfort and energy efficiency. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Key features include a clear LCD digital display, intelligent temperature regulation, wireless operation, versatile mounting options, and programmable settings with a child lock function.

2. Package Contents

Upon unpacking, please verify that all items listed below are present and undamaged:

- 1 x Lioaeust Smart Digital Thermostat
- 2 x Mounting Screws

3. Specifications

Operating Voltage	2 x 1.5V AA Batteries (not included)
Power Consumption	<150uW
Temperature Control Range	5 ~ 99 °C (Factory setting: 5 ~ 35 °C)
Temperature Limit Range	5 ~ 99 °C
Temperature Control Accuracy	± 1 °C
Dimensions	85 x 85 x 28 mm
Temperature Sensor	Integrated

Installation Method	Embedded / Wall-mounted
Output Signal	4-20 mA
Product Weight	150 g

4. Setup and Installation

The thermostat offers flexible installation options, including wall-mounting or placement on a stand. For optimal performance and accurate temperature readings, choose a location away from direct sunlight, drafts, or heat sources.

- 1. Power Supply:** Insert two 1.5V AA batteries (not included) into the battery compartment. Ensure correct polarity.
- 2. Mounting:**
 - For wall-mounting, carefully detach the front panel from the backplate. Secure the backplate to the wall using the provided mounting screws. Reattach the front panel.
 - Alternatively, the thermostat can be placed on a stand for portability.
- 3. Wiring (for Boiler Connection):** Connect the thermostat to your boiler system according to the wiring diagram. This typically involves connecting the thermostat's output signal to the boiler's control input. If you are unsure about the wiring process, it is recommended to consult a qualified electrician or heating technician.



Figure 4.1: Diagram showing the Lioeust Smart Digital Thermostat connected to a boiler system. The thermostat is on the right, displaying room temperature and set temperature, while the boiler unit is on the left. Wires connect the thermostat to the

boiler for control.

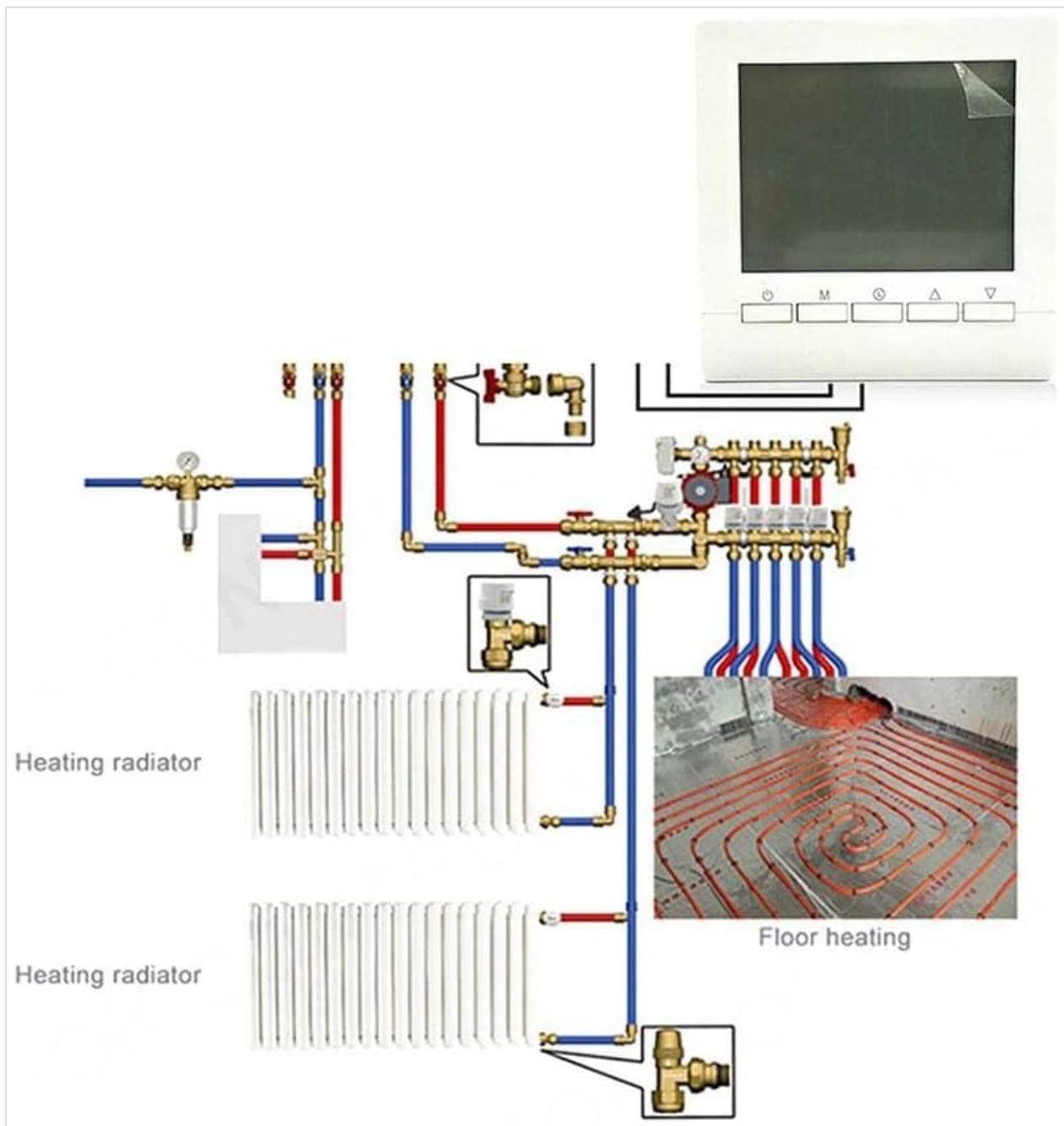


Figure 4.2: An illustrative diagram of a heating system, including connections for heating radiators and floor heating, controlled by a thermostat (shown in the top right corner). This image demonstrates how the thermostat integrates into a comprehensive heating setup.

5. Operating Instructions

The thermostat features an intuitive LCD display and control buttons for easy operation.

5.1. LCD Display Overview



Figure 5.1: A close-up view of the thermostat's LCD display. It shows the current day (THU), time (16:59), room temperature (29.5 °C), and set temperature (28 °C). Icons for home, gear (settings), hand (manual mode), and clock (programmable mode) are visible, along with a walking person icon indicating activity.

The LCD display provides real-time information:

- **Current Day & Time:** Displays the day of the week and current time.
- **ROOM TEMP:** Shows the current ambient temperature.
- **SET:** Indicates the desired target temperature.
- **Icons:** Various icons may appear to indicate operating mode (e.g., manual, programmable), heating activity, or child lock status.

5.2. Basic Temperature Control

The thermostat intelligently regulates boiler operation based on the ambient temperature:

- If the actual room temperature falls below the set temperature, the thermostat activates the boiler to begin heating.
- If the actual room temperature exceeds the set temperature, the thermostat signals the boiler to stop heating, maintaining a comfortable environment.

5.3. Button Functions

The thermostat typically features the following buttons:

- **Power Button ():** Turns the thermostat ON/OFF.
- **Mode Button (M):** Switches between different operating modes (e.g., Manual, Programmable).
- **Up Button (▲):** Increases the set temperature or navigates menu options.
- **Down Button (▼):** Decreases the set temperature or navigates menu options.
- **Time/Clock Button ():** Used for setting time and accessing programmable schedules.

5.4. Programmable Mode (5+2 Weeks)

The thermostat supports a 5+2 week programmable schedule, allowing you to set different temperature profiles for weekdays and weekends. Refer to the on-screen menu for detailed programming steps. This feature helps optimize energy consumption by adjusting heating based on your weekly routine.

5.5. Child Lock Function

To prevent unintended adjustments, the thermostat includes a child lock function. This feature typically involves a combination of button presses to activate or deactivate. Consult the on-screen prompts or a quick press guide for specific instructions on enabling/disabling the child lock.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your thermostat.

- **Cleaning:** Wipe the thermostat's surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the display or casing.
- **Battery Replacement:** When the battery indicator appears on the display, replace the two AA batteries promptly. Ensure the thermostat is powered off before replacing batteries.
- **Sensor Care:** Ensure the integrated temperature sensor is not obstructed by furniture, curtains, or other objects, as this can affect temperature accuracy.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Thermostat not powering on	Dead or incorrectly installed batteries.	Replace batteries with new AA batteries, ensuring correct polarity.
Boiler not responding to thermostat	Incorrect wiring; thermostat not in heating mode; set temperature is below room temperature.	Check wiring connections. Ensure thermostat is in an active heating mode. Increase the set temperature above the current room temperature.
Inaccurate temperature reading	Sensor obstructed; thermostat placed in an unsuitable location (e.g., direct sunlight, draft).	Ensure the sensor is clear. Relocate the thermostat to a more appropriate position if necessary.
Child lock activated	Buttons are unresponsive.	Refer to Section 5.5 for instructions on how to deactivate the child lock.

If the problem persists after attempting these solutions, please contact customer support.

8. Warranty and Support

This Lioaeust Smart Digital Thermostat is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.