

Decdeal LKT1406843035760HF

Decdeal WiFi Round LCD Touchscreen Thermostat User Manual

Model: LKT1406843035760HF

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Decdeal WiFi Round LCD Touchscreen Thermostat. This device is designed to provide uniform and comfortable temperature control for underfloor heating and water heating systems. It features a programmable schedule, remote control via a mobile application, and voice control compatibility.

Key Features:

- LCD display with backlight for clear data visibility.
- Programmable weekly schedule (5+2 six periods) for optimized comfort and energy efficiency.
- 0.5 °C temperature accuracy.
- Data storage function during power loss.
- Key locking function.
- App remote control for convenient management via mobile devices.
- Voice control compatibility with Amazon Echo, Google Home, and IFTTT.



Figure 1: Front view of the Decdeal WiFi Round LCD Touchscreen Thermostat, displaying current temperature and time.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the thermostat. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Electrical Hazard:** Installation must be performed by a qualified electrician. Disconnect power at the circuit breaker before installation to prevent electrical shock.
- **Voltage:** Ensure the power supply matches the thermostat's requirements (95 ~ 240 VAC, 50 ~ 60 Hz).
- **Wiring:** Follow all local electrical codes and wiring diagrams provided in this manual.
- **Environment:** Do not install the thermostat in areas with excessive moisture or extreme temperatures outside the specified operating range (0 ~ 45 °C ambient temperature, 5 ~ 95% RH non-condensing humidity).

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Decdeal Thermostat
- 2 x Mounting Screws
- 1 x User Manual (English)

4. PRODUCT OVERVIEW

4.1. Thermostat Components



Figure 2: Side view of the thermostat, showing its slim profile and mounting base.



Figure 3: Front display and control buttons of the thermostat. Labels indicate Power, Mode, Clock, Up, Down, Manual, Week, Period, and Temperature Display.

The thermostat features a round LCD touchscreen with intuitive controls. Key elements include:

- **Power Button:** Turns the thermostat on or off.
- **Mode Button (M):** Switches between Manual mode and Programmable mode.
- **Clock Button:** Accesses time and date settings.
- **Up/Down Arrows:** Adjusts temperature settings and navigates menus.
- **Temperature Display:** Shows current and set temperatures.
- **Week/Period Indicators:** Displays current day and programming period.

5. SPECIFICATIONS

Feature	Specification
Brand	Decdeal
Model Number	LKT1406843035760HF
Color	White
Shell Material	PC + ABS (Fireproof)
Display	LCD with Backlight
Sensor	NTC 10K 3950
Power Supply	95 ~ 240 VAC, 50 ~ 60 Hz
Current Load	5 A

Feature	Specification
Power Consumption	<1.5 W
Accuracy	± 0.5 °C
Time Error	<1%
Temperature Adjustment Range	5 ~ 35 °C
Display Temperature Range	5 ~ 99 °C
Supported Mobile Systems	iOS 8.0 and above or Android 4.1 and above
Ambient Temperature	0 ~ 45 °C
Ambient Humidity	5 ~ 95% RH (non-condensing)
Storage Temperature	-5 ~ 45 °C
Installation Hole Spacing	60 mm
Installation Box Type	86 x 86 mm square or European 60 mm round box (not included)
Wire Connections	2 x 1.5 mm² or 1 x 2.5 mm²
Protection Rating	IP20
Item Size	90 x 90 x 38 mm
Item Weight	134 g



Figure 4: Dimensional drawing of the Decdeal WiFi Thermostat, showing front and side measurements.

6. INSTALLATION

6.1. Wiring Diagram

Refer to the following wiring diagram for proper connection. Ensure power is disconnected before proceeding.



Figure 5: Detailed wiring diagram for the Decdeal WiFi Thermostat, showing connections for AC power (N, L), load (1, 2), and NTC sensor (5, 6).

- **Terminals 1 & 2:** Connect to the heating load (e.g., water heating valve).
- **Terminals 3 & 4:** Connect to the AC 95~240V power supply (L for Live, N for Neutral).
- **Terminals 5 & 6:** Connect to the NTC 10K 3950 temperature sensor.
- **MODBUS (Optional):** Terminals for MODBUS communication (A, B, white, red) are available for advanced integration.

6.2. Mounting the Thermostat

1. Ensure the power supply to the heating system is turned off at the main circuit breaker.
2. Separate the front panel of the thermostat from its mounting base.
3. Connect the electrical wires to the appropriate terminals on the mounting base as per the wiring diagram (Figure 5). Use wires of $2 \times 1.5 \text{ mm}^2$ or $1 \times 2.5 \text{ mm}^2$ cross-section.

4. Mount the base onto a standard 86 x 86 mm square or European 60 mm round electrical box using the provided mounting screws. The installation hole spacing is 60 mm.
5. Carefully attach the front panel of the thermostat to the mounted base, ensuring it clicks securely into place.
6. Restore power to the heating system.



Figure 6: Rear view of the thermostat's mounting base, showing terminal blocks for electrical connections.

7. INITIAL SETUP AND WI-FI CONNECTION

7.1. Power On

After successful installation and power restoration, the thermostat display will light up. If it does not, check the power supply and wiring.

7.2. Mobile App Download and Installation

To utilize the remote control and smart features, download the compatible mobile application. Search for "Smart Life" or "Tuya Smart" in your device's app store.

- For iOS devices: Requires iOS 8.0 or above.
- For Android devices: Requires Android 4.1 or above.

7.3. Connecting to Wi-Fi

1. Open the installed mobile application and register/log in.
2. On the thermostat, press and hold the "Down" arrow button for 5-8 seconds until the Wi-Fi icon on the display starts flashing rapidly. This indicates pairing mode.
3. In the app, tap "Add Device" or the "+" icon. Select "Thermostat" or "Heater" from the device list.

4. Follow the on-screen instructions in the app to connect the thermostat to your home Wi-Fi network. You will need to enter your Wi-Fi network name (SSID) and password.
5. Once connected, the Wi-Fi icon on the thermostat display will become solid, indicating a successful connection.



Figure 7: The thermostat being controlled remotely via a smartphone application, demonstrating Wi-Fi connectivity.

8. OPERATING INSTRUCTIONS

8.1. Basic Operation

- **Power On/Off:** Press the (Power) button to turn the thermostat on or off.
- **Temperature Adjustment:** Use the ▲ (Up) and ▼ (Down) arrow buttons to adjust the desired temperature. The set temperature will be displayed.
- **Mode Selection:** Press the M (Mode) button to switch between Manual mode and Programmable mode.

8.2. Programmable Mode (Weekly Schedule)

The thermostat supports a 5+2 (weekdays + weekend) or 6+1 (weekdays + one weekend day) or 7-day programmable schedule with six periods per day.

1. In Programmable mode, press and hold the **M** (Mode) button for 3-5 seconds to enter programming settings.
2. Use the **M** button to cycle through the different periods (e.g., Wake, Leave, Return, Sleep) and days.
3. Use the ▲ (Up) and ▼ (Down) arrows to adjust the start time and temperature for each period.
4. Confirm settings by pressing the (Power) button or waiting for the display to time out.

8.3. App Remote Control

Once connected to the mobile app, you can control your thermostat from anywhere with an internet connection.

- Adjust temperature settings.
- Change operating modes.
- Set and modify programming schedules.
- Monitor current room temperature.

8.4. Voice Control

The thermostat is compatible with popular voice assistants such as Amazon Echo, Google Home, and IFTTT.

1. Ensure your thermostat is connected to the mobile app and your voice assistant device is set up.
2. Link the "Smart Life" or "Tuya Smart" skill/service in your voice assistant's application.
3. Use voice commands such as:
 - "Alexa, set [Thermostat Name] to 22 degrees."
 - "Hey Google, what is the temperature in [Thermostat Name]?"
 - "Alexa, turn on [Thermostat Name]."



Voice Control Function

Compatible with Amazon Echo, Google Home, IFTTT



Figure 8: The thermostat integrated into a living space, highlighting its voice control capabilities with compatible smart home systems.

9. MAINTENANCE

The Decdeal Thermostat requires minimal maintenance.

- **Cleaning:** Wipe the display and outer casing with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the device.
- **No User-Serviceable Parts:** Do not attempt to open or repair the thermostat yourself. Refer all servicing to qualified personnel.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Thermostat display is blank.	No power supply.	Check circuit breaker and wiring connections. Ensure power is restored.
Heating system not responding.	Incorrect wiring; heating system issue.	Verify wiring according to Figure 5. Check the heating system's power and functionality independently.
Wi-Fi icon is flashing or not connected.	Incorrect Wi-Fi password; out of range; router issue.	Ensure correct Wi-Fi password is entered in the app. Move thermostat closer to router or check router status. Re-enter pairing mode and try connecting again.
Temperature reading seems inaccurate.	Sensor calibration needed; thermostat location.	The thermostat has a 0.5 °C accuracy. Ensure it is not exposed to direct sunlight or drafts. Some advanced settings in the app may allow for sensor calibration.
Voice control not working.	Skill not linked; incorrect commands.	Ensure the "Smart Life" or "Tuya Smart" skill is enabled and linked in your voice assistant app. Use correct voice commands as specified in section 8.4.

11. WARRANTY AND SUPPORT

This Decdeal product 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 Decdeal customer service or your authorized dealer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

