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Walfront Smart Thermostat User Manual

Model: WALFRONTeyhv27tbsp-11

1. INTRODUCTION

The Walfront Smart Thermostat is designed for efficient and intelligent temperature control in your home or office, particularly for boiler systems. Featuring an intuitive LED display and a sleek, ultra-thin design, this programmable thermostat offers precise temperature management and energy-saving capabilities. It is compatible with standard 86mm square concealed boxes and 60mm European concealed boxes, ensuring versatile installation.

Key features include:

- **LED Display Screen:** Provides a clear, user-friendly interface with energy-saving and eye-protective lighting.
- **Ultra-Thin Embedded Panel:** With a thickness of only 13mm, it seamlessly integrates with various wall surfaces.
- **Accurate Temperature Control:** Maintains temperature with a strict accuracy of $\pm 1^{\circ}\text{C}$. Settings are preserved safely even during power off.
- **Weekly Programmable Mode:** Allows programming up to 6 time periods per day for customized temperature adjustments, promoting energy efficiency.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Walfront Smart Thermostat
- 2 x Mounting Screws
- 1 x User Manual (this document)



Image: The Walfront Smart Thermostat, front view, displayed alongside the two included mounting screws.

3. SETUP AND INSTALLATION

Important Safety Information: Installation should only be performed by a qualified electrician or experienced individual. Ensure the main power supply is turned OFF before beginning any installation work to prevent electric shock.

This thermostat is designed for installation in a standard 86mm x 86mm square concealed box or a 60mm European concealed box.

1. **Turn off the Main Power Supply:** Locate your circuit breaker or fuse box and switch off the power to the heating system and the area where the thermostat will be installed. Verify power is off using a voltage tester.
2. **Separate the Installation Panel:** Gently rotate the display screen frame to separate the front display unit from the rear installation panel.
3. **Connect Wiring:** Connect the heating system wires to the appropriate terminals on the rear installation panel. Refer to your heating system's manual for specific wiring diagrams. Ensure all connections are secure.



Image: Rear view of the Walfront Smart Thermostat, highlighting the wiring terminals for connection to the heating system.



Image: Side profile of the Walfront Smart Thermostat, illustrating its ultra-thin embedded panel design.

4. **Mount the Installation Panel:** Secure the rear installation panel to the concealed box using the provided screws.
5. **Attach the Display Unit:** Carefully align the front display unit with the mounted installation panel and press it firmly until it clicks into place.
6. **Restore Power:** Turn the main power supply back ON. The thermostat display should illuminate.

4. OPERATING INSTRUCTIONS

The Walfront Smart Thermostat features a capacitive touch key interface and an LED multi-color screen for easy operation.



Image: Front view of the Walfront Smart Thermostat, showcasing its illuminated LED display and touch controls.

Basic Operation

- **Power On/Off:** Typically, a dedicated power icon or a long press on a central button controls the thermostat's power state. Refer to the on-screen icons for specific indicators.
- **Adjusting Temperature:** Use the up and down arrow icons on the display to increase or decrease the desired temperature. The current set temperature will be shown prominently.
- **Mode Selection:** The thermostat may offer different operating modes (e.g., heating, auto). Look for a mode icon (e.g., a flame for heating) and tap to cycle through available options.

Weekly Programmable Mode

The thermostat allows you to set a customized heating schedule for each day of the week, with up to 6 time periods per day. This feature helps optimize energy consumption and ensures comfort when needed.

- **Accessing Program Settings:** Look for a clock or calendar icon on the display. Tapping this icon usually enters the programming menu.
- **Setting Time Periods:** Within the programming menu, you can define start times and desired temperatures for each of the 6 daily periods. Use the arrow keys to adjust values and a confirmation

button (often a checkmark or power icon) to save.

- **Saving Schedule:** After configuring all desired periods for a day, ensure you save the settings before moving to the next day or exiting the programming mode.

For detailed navigation and specific icon functions, please refer to the on-screen prompts and the visual cues provided by the LED display.

5. MAINTENANCE

The Walfront Smart Thermostat requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Regularly wipe the display screen and outer casing with a soft, dry, or slightly damp cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the surface and internal components.
- **Avoid Liquid Contact:** Do not allow liquids to enter the thermostat's casing. In case of accidental spills, immediately power off the device and allow it to dry completely before restoring power.
- **Environmental Conditions:** Ensure the thermostat is not exposed to extreme temperatures, direct sunlight, or high humidity, which can affect its accuracy and lifespan.

6. TROUBLESHOOTING

If you encounter issues with your Walfront Smart Thermostat, please refer to the following common troubleshooting steps:

- **No Display/No Power:**
 - Check if the main power supply to the thermostat is turned on.
 - Verify that the wiring connections at the back of the thermostat are secure.
 - Ensure the thermostat is properly seated on its installation panel.
- **Incorrect Temperature Reading:**
 - Ensure the thermostat is not exposed to direct drafts, heat sources, or cold spots that could affect its internal sensor.
 - Allow some time for the thermostat to stabilize after initial installation or significant temperature changes.
- **Heating System Not Responding:**
 - Check the thermostat's mode to ensure it is set to heating.
 - Verify that the set temperature is higher than the current room temperature.
 - Inspect your boiler or heating system for any error codes or power issues.
- **Programming Issues:**
 - Ensure you have correctly saved all programmed time periods and temperatures.
 - Confirm the thermostat is in programmable mode (if applicable) for the schedule to take effect.

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

7. SPECIFICATIONS

Parameter	Specification
Model Number	WALFRONTeyhv27tbsp-11
Voltage Range	AC95-240V
Current	5A
Sensor	10K
Temperature Deviation	±1°C
Temperature Control Range	5-35°C
Room Temperature Range	5-99°C
Displayed Temperature Range	5-99°C
Normal Operating Environment Temperature	0-45°C
Normal Operating Environment Humidity	5-95% RH (Non Condensing)
Storage Temperature	-10-45°C
Installation Embedded Box	86x86mm or Standard European Concealed Box
Protection Level	IP20
Key Type	Capacitive Touch Key
Screen	LED Multi Color Screen

8. WARRANTY INFORMATION

Walfront products are typically covered by a manufacturer's warranty. Please refer to the warranty card or documentation included with your purchase for specific terms, conditions, and duration. Retain your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Walfront customer support through the retailer where you purchased the product or visit the official Walfront website for contact information.