

## Garza 400616

# Garza Digital Programmable Wall Thermostat 400616

## User Manual

### 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and programming of your Garza Digital Programmable Wall Thermostat, Model 400616. This device is designed to regulate the temperature in your home efficiently, offering both manual and automatic control options for your boiler or heating system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

### 2. PRODUCT FEATURES

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- **Digital Programmable Wall Thermostat:** Designed for precise temperature regulation in your home.
- **Weekly Programming:** Offers 7-day programming with up to 6 distinct programs per day, enabling optimized energy consumption.
- **Touch LCD Screen:** Features a clear display with current temperature, operational status indicator, and a low battery warning.
- **Temperature Regulation:** Supports both Manual and Automatic modes. Adjustable temperature range from 5°C to 35°C.
- **Safety Functions:** Includes anti-freeze protection and an open window detection function to prevent energy waste.
- **Easy Installation:** Designed for wall mounting with included screws.
- **Power Source:** Operates on 4 AAA batteries (not included).
- **Compact Dimensions:** Thermostat measures 124x88x24.4mm.



*Image 2.1: Front view of the Garza Digital Programmable Thermostat, highlighting its key features like 7-day programming, built-in programs, touch buttons, LCD screen, manual/auto modes, and adjustable temperature range.*

### **3. PACKAGE CONTENTS**

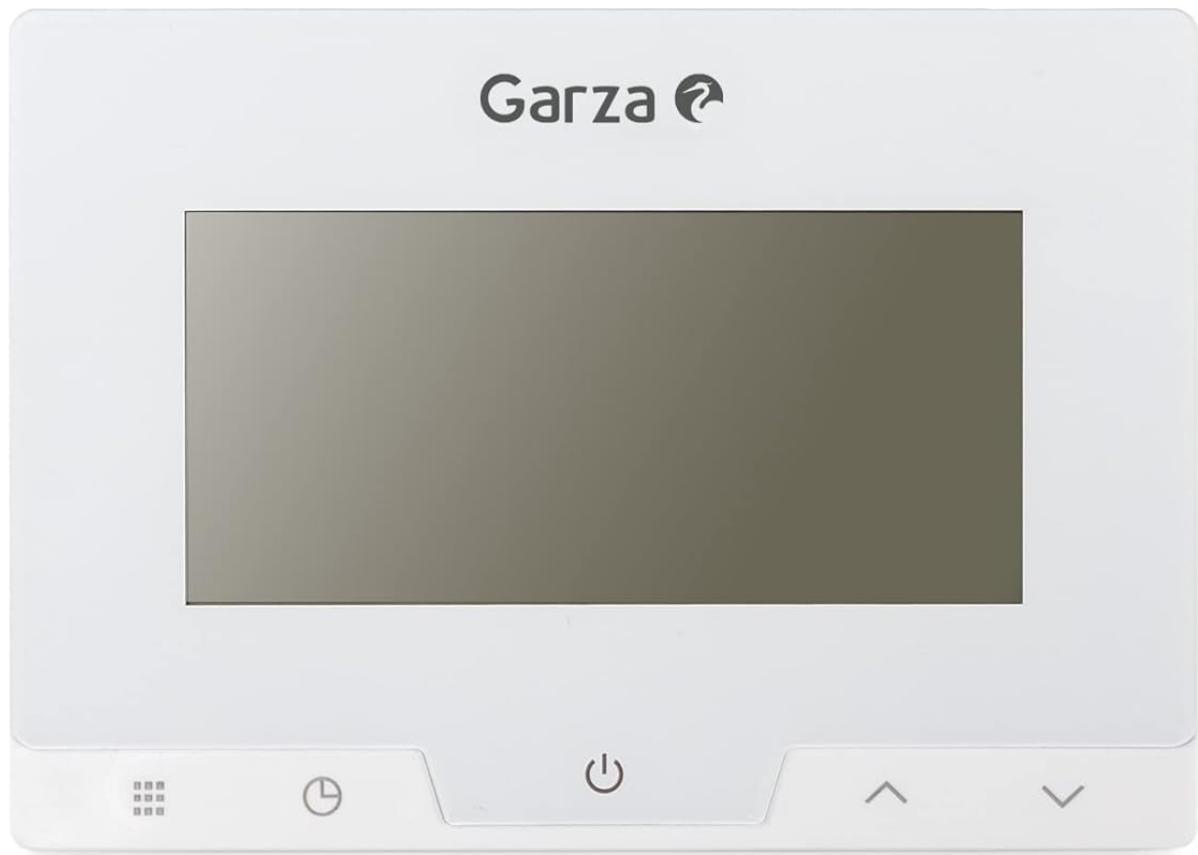
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Please check the package contents upon unboxing. If any items are missing or damaged, contact customer support.

- 1x Garza Digital Programmable Wall Thermostat
- 1x Wall Mount Bracket
- Mounting Screws
- User Manual (this document)

# Tornillos incluidos

## Screws included



Batteries  
not included  
x4 (AAA 1.5V)



Easy to install

*Image 3.1: Front view of the Garza Digital Programmable Thermostat, indicating that screws are included for installation and that 4 AAA 1.5V batteries are not included.*

## 4. SAFETY INFORMATION

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**WARNING:** Electrical installation should only be performed by a qualified electrician or competent person. Always disconnect power to the heating system at the main circuit breaker before beginning any installation or maintenance work.

- Do not expose the thermostat to direct sunlight, extreme temperatures, or high humidity.

- Keep the device away from water and other liquids.
- Ensure batteries are inserted with correct polarity. Do not mix old and new batteries or different types of batteries.
- Dispose of used batteries according to local regulations.
- Do not attempt to disassemble or repair the thermostat yourself. Contact qualified personnel for service.

## 5. INSTALLATION (SETUP)

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### 5.1 Choosing a Location

Select a central location in your main living area, away from direct heat sources (e.g., radiators, lamps, direct sunlight) and drafts (e.g., windows, doors). The recommended mounting height is approximately 1.5 meters (5 feet) from the floor.

### 5.2 Mounting the Thermostat

1. Turn off the power to your heating system at the main circuit breaker.
2. Carefully separate the front panel of the thermostat from its backplate/wall mount bracket.
3. Position the wall mount bracket on the chosen wall location and mark the drilling points.
4. Drill holes and insert wall plugs if necessary.
5. Secure the wall mount bracket to the wall using the provided screws.

### 5.3 Wiring the Thermostat

The Garza thermostat uses a simple two-wire connection for controlling your boiler. Refer to your boiler's manual for specific wiring instructions if needed.

1. Identify the two control wires from your boiler (typically labeled NO and COM, or similar).
2. Connect these two wires to the corresponding NO and COM terminals on the thermostat's backplate. Ensure connections are secure.
3. Once wiring is complete, carefully reattach the front panel of the thermostat to the wall mount bracket.
4. Insert 4 AAA batteries into the battery compartment, observing correct polarity.
5. Restore power to your heating system at the main circuit breaker.

# EASY INSTALLATION

## FÁCIL INSTALACIÓN

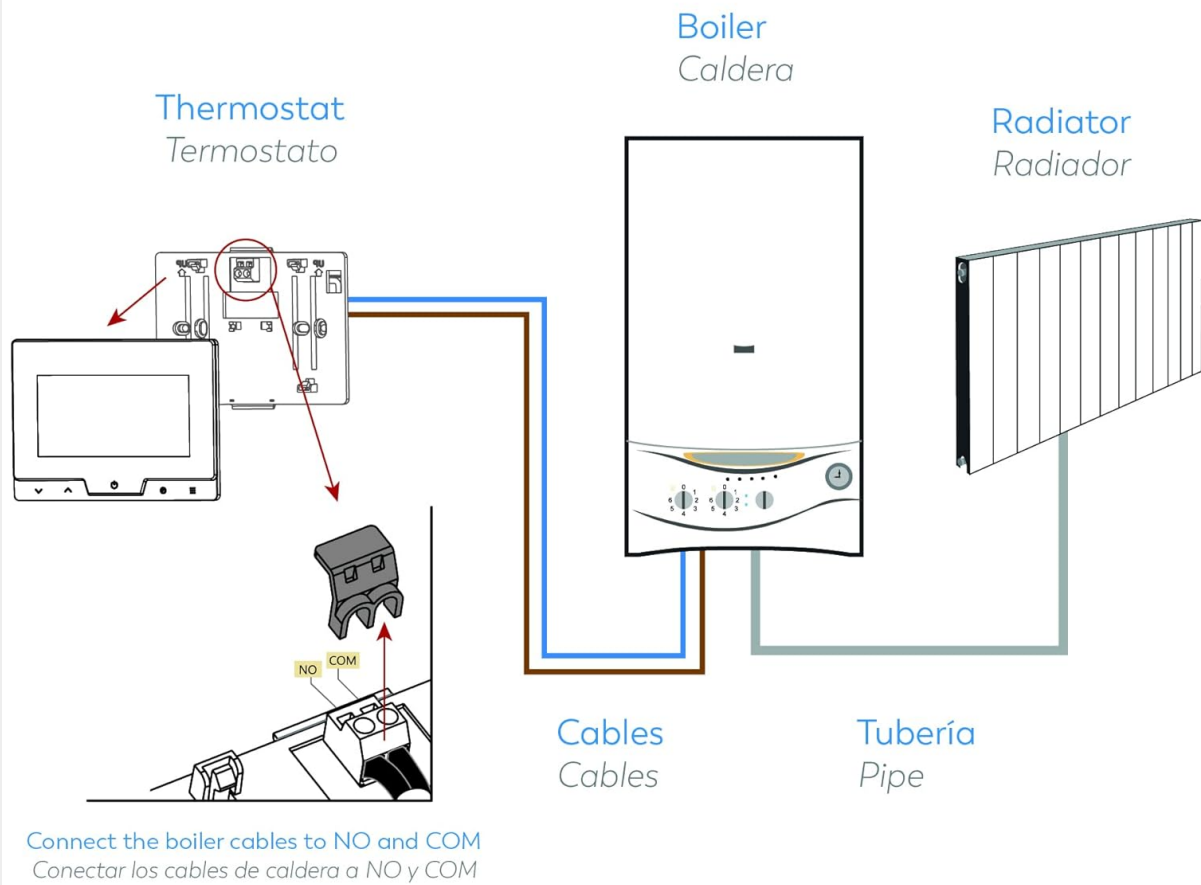


Image 5.1: Diagram illustrating the easy installation process, showing how to connect the thermostat to a boiler and radiator, with clear labels for "Thermostat", "Boiler", "Radiator", "Cables", and "Pipe". Instructions indicate connecting boiler cables to NO and COM terminals.

## 6. INITIAL SETUP & BASIC OPERATION

### 6.1 Powering On and Initial Display

After inserting batteries and restoring power, the thermostat's LCD screen will illuminate. It will typically display the current room temperature and default settings.



Image 6.1: A hand interacting with the touch LCD screen of the Garza Digital Programmable Thermostat, showing the current temperature and set temperature.

## 6.2 Setting Time and Day

To ensure accurate programming, set the current time and day:

1. Press the **MODE** button (often represented by a clock icon) to enter time setting mode.
2. Use the **UP** and **DOWN** arrows to adjust the hour, then press **MODE** again to confirm and move to minutes.
3. Repeat for minutes and then for the day of the week.
4. Press **MODE** or wait for a few seconds to exit setting mode.

## 6.3 Manual Temperature Adjustment

In Manual mode, you can set a desired temperature that the thermostat will maintain until changed or until a programmed schedule takes over.

1. Press the **MODE** button until the display shows "MANUAL" or a hand icon.

2. Use the **UP** and **DOWN** arrows to set your desired temperature.
3. The thermostat will now maintain this temperature.

## 7. PROGRAMMING WEEKLY SCHEDULES

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The thermostat allows for 7-day programming with up to 6 time periods (programs) per day, each with its own target temperature. This feature helps optimize energy usage.

1. Press the **PROG** button (often represented by a grid icon) to enter programming mode.
2. The display will show the current day and program number (e.g., "MON P1").
3. Use the **UP** and **DOWN** arrows to adjust the start time for the current program. Press **PROG** to confirm.
4. Use the **UP** and **DOWN** arrows to set the desired temperature for this program. Press **PROG** to confirm.
5. Repeat steps 3 and 4 for all 6 programs for the current day.
6. Press the **DAY** button (or similar) to move to the next day and repeat the programming process.
7. Once all desired programs are set, press **PROG** or wait for a few seconds to exit programming mode.
8. Ensure the thermostat is in "AUTO" mode for the programmed schedule to take effect.

## 8. ADVANCED FUNCTIONS

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### 8.1 Anti-Freeze Protection

The anti-freeze protection feature automatically activates the heating system if the room temperature drops below a preset minimum (typically 5°C) to prevent pipes from freezing. This function is active by default.

### 8.2 Open Window Detection

When a sudden drop in temperature is detected (indicating an open window or door), the thermostat will temporarily pause heating to save energy. Heating will resume automatically after a set period or when the temperature stabilizes.

## 9. MAINTENANCE

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### 9.1 Battery Replacement

When the low battery indicator appears on the LCD screen, replace the 4 AAA batteries promptly. Use only new, high-quality alkaline batteries.

1. Carefully remove the front panel of the thermostat from the wall mount bracket.
2. Open the battery compartment cover.
3. Remove the old batteries and insert new 4 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment and reattach the front panel to the wall mount bracket.

### 9.2 Cleaning

Clean the thermostat's screen and casing with a soft, dry cloth. Do not use abrasive cleaners, solvents, or spray directly onto the device.

## 10. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Thermostat screen is blank.	No batteries or dead batteries. Incorrect battery polarity.	Insert new AAA batteries with correct polarity.
Heating system not turning on/off.	Incorrect wiring. Power to heating system is off. Thermostat in wrong mode.	Check wiring connections (NO/COM). Ensure main power to heating system is on. Switch thermostat to Manual or Auto mode.
Temperature reading seems inaccurate.	Thermostat located near a heat source or draft.	Relocate thermostat to a more central and stable temperature area.
Programs are not running.	Thermostat not in Auto mode. Time/day incorrect.	Switch thermostat to Auto mode. Verify and correct time and day settings.

## 11. TECHNICAL SPECIFICATIONS

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**Model:** 400616

**Power Source:** 4 x AAA 1.5V Batteries (not included)

**Voltage:** 6V

**Temperature Range:** 5°C - 35°C

**Temperature Accuracy:** ±0.5°C

**Display Type:** LCD Touch Screen

**Programming:** 7 days, up to 6 periods/day

**Mounting:** Wall Mounted

**Dimensions:** 124mm (L) x 88mm (W) x 24.4mm (D)

**Material:** Plastic

**Special Features:** Anti-freeze protection, Open window detection

## 12. WARRANTY AND SUPPORT

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Garza products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Garza website.

For technical support, troubleshooting assistance, or to inquire about spare parts, please contact Garza customer service through their official channels. Contact information can typically be found on the product packaging or the Garza brand website.