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## Garrison A6211

# Garrison A6211 Digital Thermostat User Manual

Model: A6211

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your Garrison A6211 Digital Thermostat. Please read this manual thoroughly before installation and use to ensure proper function and to avoid damage to the unit or property.

The Garrison A6211 is a versatile digital thermostat designed for 1 Heat / 1 Cool systems, offering both 24 VAC and battery-powered operation. Its clear digital display and push-button controls provide precise temperature management for your indoor environment.

## PRODUCT OVERVIEW

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**Figure 1:** Front view of the Garrison A6211 Digital Thermostat. The thermostat features a large digital display showing the current temperature (e.g., 78 degrees), and control buttons including up and down arrows for temperature adjustment, and an "Eco" button for energy-saving modes. The Garrison brand logo is visible at the bottom left.

The A6211 thermostat features a clear digital screen for easy temperature reading and intuitive push-button controls for setting desired temperatures and operating modes. It is designed for wall-mount installation and offers a backlight for improved visibility in low-light conditions.

## SETUP AND INSTALLATION

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### 1. Safety Precautions

- Turn off power to the heating and cooling system at the main circuit breaker or fuse box before beginning installation.
- Ensure all wiring is performed in accordance with local electrical codes.
- If you are unsure about any part of the installation process, consult a qualified HVAC technician.

### 2. Mounting the Thermostat

1. Remove the old thermostat (if applicable) and label the wires connected to it.
2. Separate the front cover of the A6211 thermostat from its base plate.
3. Position the base plate on the wall where the thermostat will be mounted. Use the base plate as a template to mark drilling locations.
4. Drill pilot holes and insert wall anchors if necessary.
5. Pull the system wires through the opening in the base plate.
6. Secure the base plate to the wall using the provided screws.

### 3. Wiring

Connect the system wires to the appropriate terminals on the thermostat base plate. Refer to your HVAC system's manual for specific wiring diagrams. The A6211 supports 1 Heat / 1 Cool conventional systems. Common terminals include:

- **R:** 24 VAC power (often Red wire)
- **C:** Common wire (for continuous 24 VAC power, if available)
- **W:** Heat call (often White wire)
- **Y:** Cool call (often Yellow wire)
- **G:** Fan call (often Green wire)

### 4. Battery Installation

If operating on battery power, install two AA alkaline batteries into the battery compartment located on the back of the thermostat's front cover. Ensure correct polarity (+/-) as indicated.

### 5. Completing Installation

Once wiring and battery installation are complete, carefully snap the front cover onto the base plate. Restore power to your HVAC system at the circuit breaker.

## OPERATING INSTRUCTIONS

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### 1. Powering On

After power is restored, the thermostat display will illuminate. It may take a few moments for the initial temperature reading to appear.

### 2. Setting the Temperature

- Press the **Up Arrow** (▲) button to increase the desired temperature.
- Press the **Down Arrow** (▼) button to decrease the desired temperature.
- The display will show the set temperature briefly, then return to the current room temperature.

### 3. System Mode Selection

The A6211 typically has a mode button (or similar control) to cycle through system modes. Common modes include:

- **HEAT:** Activates the heating system when the room temperature falls below the set temperature.
- **COOL:** Activates the cooling system when the room temperature rises above the set temperature.
- **OFF:** Turns off both heating and cooling systems.
- **AUTO:** Automatically switches between heating and cooling as needed to maintain the set temperature.

### 4. Fan Mode Selection

The fan mode button (if present) allows you to control the system fan:

- **AUTO:** The fan runs only when the heating or cooling system is actively operating.
- **ON:** The fan runs continuously, regardless of heating or cooling calls.

### 5. Eco Mode

Press the **Eco** button to activate an energy-saving mode. This mode typically adjusts the set temperature to a more

energy-efficient range, reducing heating or cooling consumption. Press the Eco button again to deactivate this mode.

## MAINTENANCE

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### 1. Battery Replacement

The thermostat will display a low battery indicator when the batteries need to be replaced. To replace batteries:

1. Gently pull the front cover of the thermostat away from the wall plate.
2. Remove the old AA alkaline batteries.
3. Insert new AA alkaline batteries, ensuring correct polarity.
4. Snap the front cover back onto the wall plate.

### 2. Cleaning

Clean the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Thermostat display is blank.	No power (batteries dead or 24 VAC issue).	Replace batteries. Check circuit breaker for HVAC system. Verify 24 VAC wiring.
Heating/Cooling system not responding.	Incorrect mode selected; wiring issue; system fuse blown.	Ensure thermostat is in HEAT or COOL mode. Check wiring connections. Check HVAC system fuse.
Temperature reading seems inaccurate.	Thermostat located near heat source/draft; sensor obstruction.	Relocate thermostat if possible. Ensure no obstructions around the thermostat.
Eco mode not working.	Not activated; system limitations.	Press the Eco button. Ensure your HVAC system is compatible with energy-saving modes.

## SPECIFICATIONS

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**Model:** A6211

**Brand:** Garrison

**Power Source:** 24 VAC (common wire required for continuous backlight/advanced features) or 2 x AA Alkaline Batteries

**System Compatibility:** 1 Heat / 1 Cool Conventional Systems

**Control Type:** Push Button

**Display Type:** Digital with Backlight

**Screen Size:** 2.6 Inches

**Mounting Type:** Wall Mount

**Color:** White

**Product Dimensions:** 5.5 x 1.2 x 3.7 inches (Length x Width x Height)

**Item Weight:** 4.8 ounces

## WARRANTY AND SUPPORT

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For warranty information or technical support regarding your Garrison A6211 Digital Thermostat, please refer to the product packaging or contact Garrison customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

*Note: Specific warranty terms and support contact details may vary.*