Trane XR-202

Trane XR202 Thermostat User Manual

7-Day Programmable 1 Heat/1 Cool Push Button Thermostat

1. INTRODUCTION

The Trane XR202 thermostat is designed to provide efficient and reliable temperature control for your home's HVAC system. This programmable thermostat offers flexible scheduling options and user-friendly controls to enhance your comfort and help manage energy consumption. It maintains your preferred temperature settings even after a power interruption, eliminating the need for frequent reprogramming.

Key features include:

- Personalized temperature schedules for weekdays and weekends.
- Simultaneous display of indoor and set temperatures.
- Clear, straightforward text display without confusing symbols.
- Easy-to-access battery compartment for quick changes.
- Simple soft key buttons for intuitive control.
- Ideal for single-zone heating and cooling systems.
- Energy-saving schedule optimization.
- Precise temperature settings for consistent comfort.

Figure 1.1: Front view of the Trane XR202 thermostat with its display showing current and set temperatures.

2. SETUP AND INSTALLATION

2.1 Safety Precautions

- Always turn off power to the heating and cooling system at the main fuse or circuit breaker panel before installing or servicing the thermostat.
- Read all instructions carefully before beginning installation.
- Ensure all wiring complies with local electrical codes and ordinances.

2.2 Mounting the Thermostat

1. Select a location on an inside wall, approximately 5 feet (1.5 meters) above the floor, away from direct sunlight, drafts, or heat sources.
2. Separate the thermostat from its base. Most models have a tab or latch at the bottom that allows the front cover to be removed.
3. Position the thermostat base against the wall and mark the mounting holes.
4. Drill pilot holes if necessary and secure the base to the wall using the provided screws.

2.3 Wiring

The Trane XR202 is designed for 1 Heat/1 Cool conventional systems. Refer to the wiring diagram on the back of your thermostat for specific terminal connections. Ensure wires are securely connected to the appropriate terminals.

Figure 2.1: Rear view of the Trane XR202 thermostat base, showing the wiring terminals for HVAC connections.
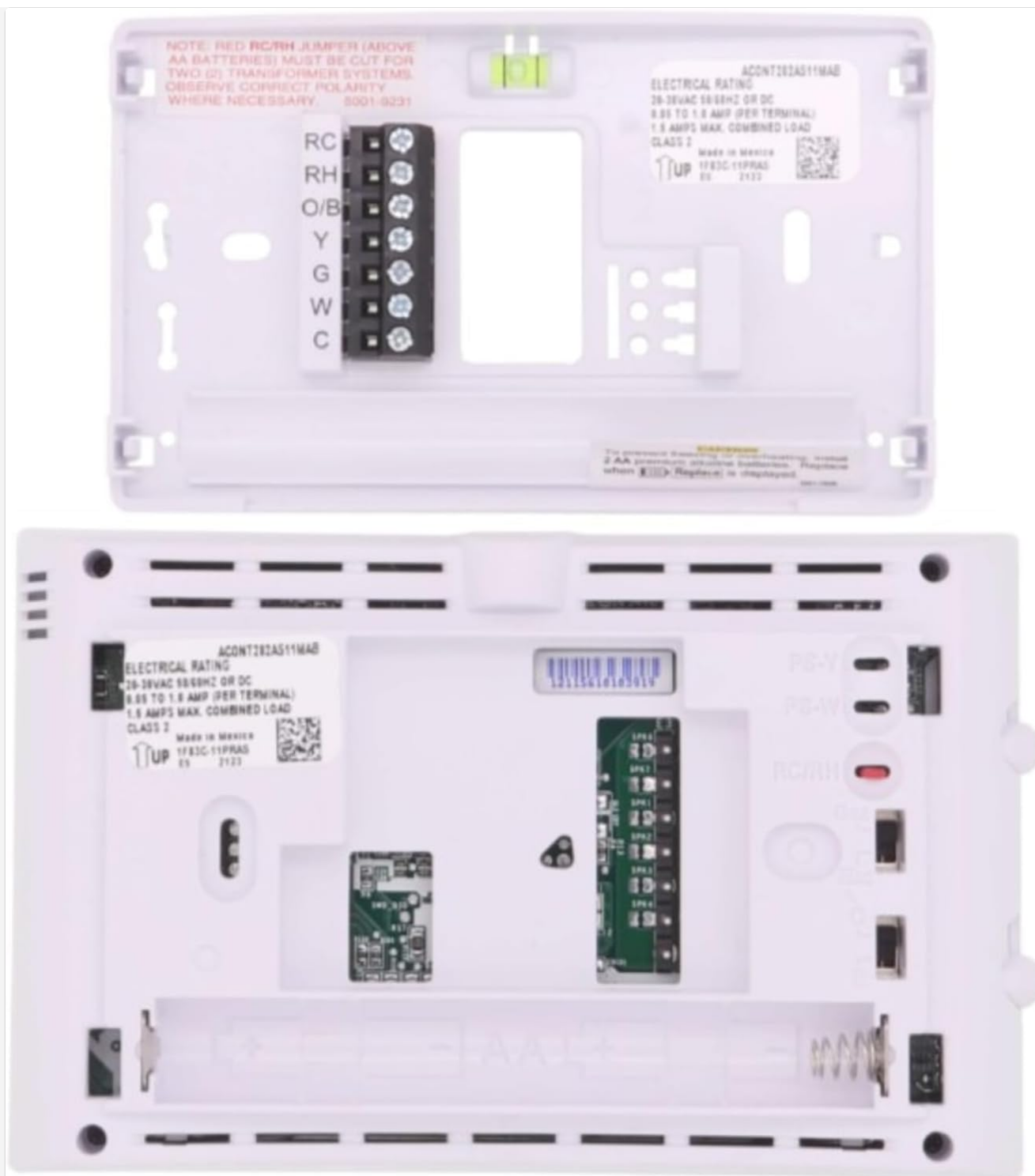
Figure 2.2: Close-up of the Trane XR202 thermostat's back panel, highlighting the battery compartment and wiring interface.

2.4 Battery Installation

The thermostat requires 1 AA battery (included). Open the battery compartment, insert the battery, ensuring correct polarity (+/-), and close the compartment. The thermostat will power on and begin its initial setup sequence.

3. OPERATING INSTRUCTIONS

3.1 Initial Setup (Time and Day)

1. Press the **Set Time** button.
2. Use the **Up** or **Down** arrow buttons to adjust the time.
3. Press **Set Time** again to confirm and move to the day setting.

4. Use the **Up** or **Down** arrow buttons to select the current day.

5. Press **Run** to save and exit.

3.2 Setting Operating Mode

Use the slide switch on the left side of the thermostat to select the desired operating mode:

- **Cool**: Activates the cooling system.
- **Off**: Turns off both heating and cooling systems.
- **Heat**: Activates the heating system.

3.3 Fan Operation

Use the slide switch on the left side of the thermostat to select the desired fan mode:

- **On**: The fan runs continuously.
- **Auto**: The fan runs only when the heating or cooling system is active.

3.4 Programming Schedules (7-Day or 5-1-1)

The XR202 allows for flexible programming to match your lifestyle. You can set different temperatures for different times of the day and days of the week.

1. Press the **Menu** button.

2. Navigate to the 'Program' or 'Schedule' option using the arrow buttons and press **Menu** to select.

3. Follow the on-screen prompts to set desired temperatures for each time period (e.g., Wake, Leave, Return, Sleep) for each day or group of days (e.g., Mon-Fri, Sat, Sun).

4. Use the **Up** or **Down** arrow buttons to adjust temperatures and times.

5. Press **Menu** to confirm each setting and move to the next.

6. Once all desired periods are set, press **Run** to activate the schedule.

3.5 Temporary Hold

To temporarily override the programmed schedule, simply use the **Up** or **Down** arrow buttons to adjust the temperature. The thermostat will hold this temperature until the next programmed period begins. To cancel the hold, press the **Run** button.

3.6 Permanent Hold

To permanently hold a temperature, adjust the temperature using the **Up** or **Down** arrow buttons, then press the **Hold** button. The thermostat will maintain this temperature indefinitely until the **Run** button is pressed.
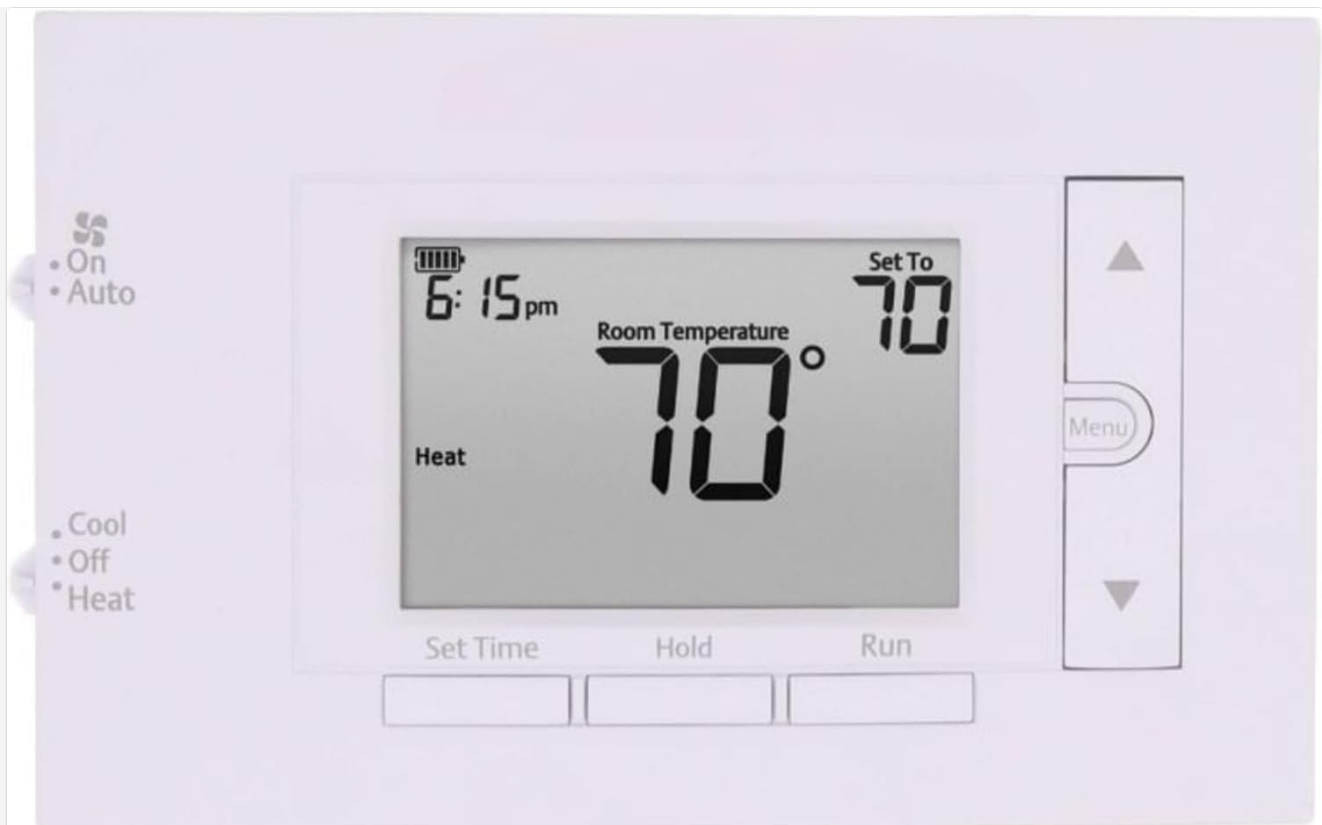
Figure 3.1: Front view of the Trane XR202 thermostat, highlighting the control buttons for setting time, holding temperature, and running schedules.

4. MAINTENANCE

4.1 Battery Replacement

When the battery icon appears on the display, it indicates that the battery is low and needs to be replaced. The thermostat uses 1 AA battery.

1. Open the battery compartment, typically located on the side or front of the thermostat.
2. Remove the old battery.
3. Insert a new AA battery, ensuring correct polarity (+/-).
4. Close the battery compartment.

The thermostat's memory retention feature ensures that your settings are saved during battery replacement, so you won't need to reprogram.

4.2 Cleaning

To clean the thermostat, gently wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or internal components.

5. TROUBLESHOOTING

If you experience issues with your Trane XR202 thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

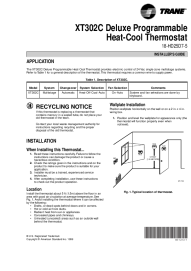| Problem	Possible Cause	Solution
Thermostat display is blank.	Dead battery.	Replace the AA battery.
Heating/Cooling system not responding.	Power to HVAC system is off; incorrect wiring; thermostat mode is 'Off'.	Check circuit breaker; verify wiring connections; ensure thermostat is set to 'Heat' or 'Cool'.
Temperature readings seem inaccurate.	Thermostat location is affected by drafts, direct sunlight, or heat sources.	Ensure thermostat is not exposed to extreme conditions. If possible, relocate.
Programmed schedule not running.	Thermostat is in 'Hold' mode; schedule not properly saved.	Press the 'Run' button to exit 'Hold' mode; re-enter and save your schedule.

6. TECHNICAL SPECIFICATIONS

- **Model Name:** Trane XR-202
- **Product Dimensions:** 4.74"D x 4.74"W x 3.75"H
- **Controller Type:** Push Button
- **Special Feature:** Programmable
- **Color:** Bright White
- **Specific Uses:** Air Conditioner, Dehumidifier, Furnace, Heat Pump
- **Temperature Control Type:** Heating & Cooling
- **Power Source:** Battery Powered (1 AA battery required, included)
- **Item Weight:** 1 Pounds
- **Voltage:** 24 Volts
- **Material:** Plastic
- **Shape:** Rectangular
- **Display Type:** LCD
- **Control Method:** Touch (via buttons)
- **Mounting Type:** Wall Mount
- **Style:** Modern

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Trane website. Keep your proof of purchase for warranty claims.

Related Documents

	Trane XR202 Programmable Thermostat Installation and User Guide Comprehensive installation and user guide for the Trane XR202 Programmable Thermostat (TCONT202AS11MA), covering setup, operation, features, and troubleshooting for optimal home comfort and energy efficiency.
	Trane TCONT900AC43UA Communicating Programmable Comfort Control Owner's Guide This owner's guide provides detailed information on the Trane TCONT900AC43UA Communicating, Programmable Comfort Control, including features, programming, operation, and troubleshooting.
	TRANE XT302C Deluxe Programmable Heat-Cool Thermostat Installer's Guide Installer's guide detailing the installation, setup, and operation of the TRANE XT302C Deluxe Programmable Heat-Cool Thermostat for 24 Vac single-zone multistage HVAC systems, including wiring, programming, and troubleshooting.
	Trane XR102 Non-Programmable Thermostat Installation and User Guide Comprehensive guide for installing and operating the Trane XR102 (TCONT102) non-programmable thermostat. Covers safety, specifications, installation steps, wiring diagrams, operation, and troubleshooting.

Documents - Trane – XR-202

Trane XR202 Programmable Thermostat Installation and User Guide
Comprehensive installation and user guide for the Trane XR202 Programmable Thermostat (TCONT202AS11MA), covering setup, operation, features, and troubleshooting for optimal home comfort and energy efficiency.
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[pdf] Instructions Specifications Guide Accessories

Trane XR202 Programmable Thermostat 18 HD51D1 1C EN 12172020 elibrary tranetechnologies public trane history Literature Installation |||

Trane XR202 Programmable Thermostat TCONT202AS11MA Installation and User Guide ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES IMPORTANT -- This Document is customer property and is to remain with this unit. These instructions do not cover all variations in systems o...

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