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› Miuputake V701 Non-Programmable Thermostat User Manual

Miuputake V701

Miuputake V701 Non-Programmable Thermostat User Manual

Instructions for Installation, Operation, and Maintenance

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Miuputake V701 Non-Programmable Thermostat. This thermostat is designed for conventional single-stage heating and cooling systems (1 Heat/1 Cool) to effectively control indoor temperatures. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image 1: Miuputake V701 Non-Programmable Thermostat. This image displays the front view of the thermostat, highlighting its large, backlit LCD screen with temperature readings and mode indicators.

2. SAFETY INFORMATION

Always turn off power to the heating/cooling system at the main fuse or circuit breaker panel before installing or servicing the thermostat. Failure to do so could result in electrical shock or equipment damage. If you are unsure about any part of the installation process, it is recommended to consult a qualified HVAC technician.

Ensure all wiring connections are secure and comply with local electrical codes. This thermostat is designed for 24VAC systems. Do not use with line voltage systems (110-240 Volts).

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Miuputake V701 Thermostat
- Two Screws and Anchors
- Operating Manual (this document)
- Cable Labels

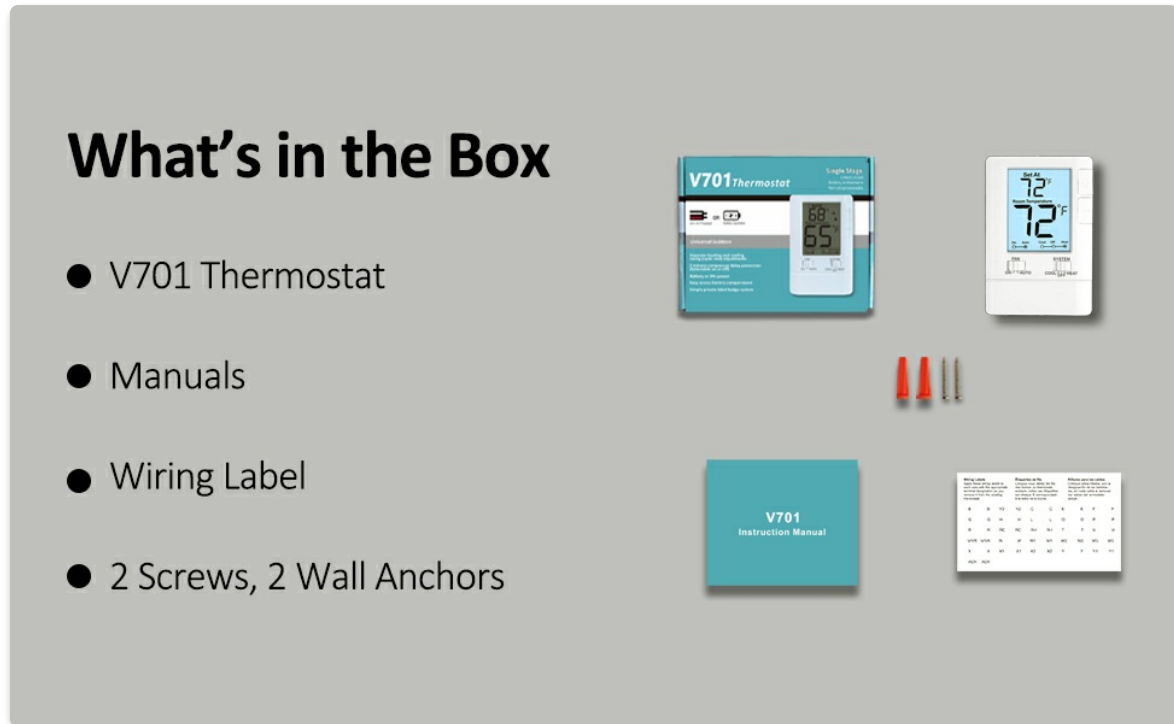


Image 2: Package Contents. This graphic shows the Miuputake V701 thermostat, its instruction manual, wiring labels, and mounting hardware (screws and anchors).

4. PRODUCT FEATURES AND OVERVIEW

The Miuputake V701 is a non-programmable thermostat designed for ease of use and reliable temperature control. Key features include:

- Non-programmable operation for conventional single-stage systems (1 Heat/1 Cool).
- Large, clear, and easy-to-read backlit LCD display.
- Separate heating and cooling swing (cycle rate) adjustment for comfort and energy efficiency.
- Dual power supply: operates on 24VAC power or 2 AAA batteries.
- No common wire (C-wire) required on most systems (only required on heat-only and cool-only systems).
- Setpoint limit option for defining maximum heat and minimum cool settings.

Non-programmable Home Thermostat for Indoor Temperature Controls

New feature: Heating and cooling setpoint limits allow you to define a maximum heat setting and a minimum cool setting for better energy control.



Image 3: Product Features. This graphic illustrates the main features of the Miuputake V701 thermostat, including its display, control options, and power flexibility.

5. INSTALLATION

5.1 Pre-Installation Checklist

1. Ensure your system is a conventional single-stage (1 Heat/1 Cool) system.
2. Turn off power to your HVAC system at the circuit breaker.
3. Remove your old thermostat. Take a picture of the wiring connections for reference.
4. Label each wire with the provided cable labels according to the terminal it was connected to on your old thermostat.

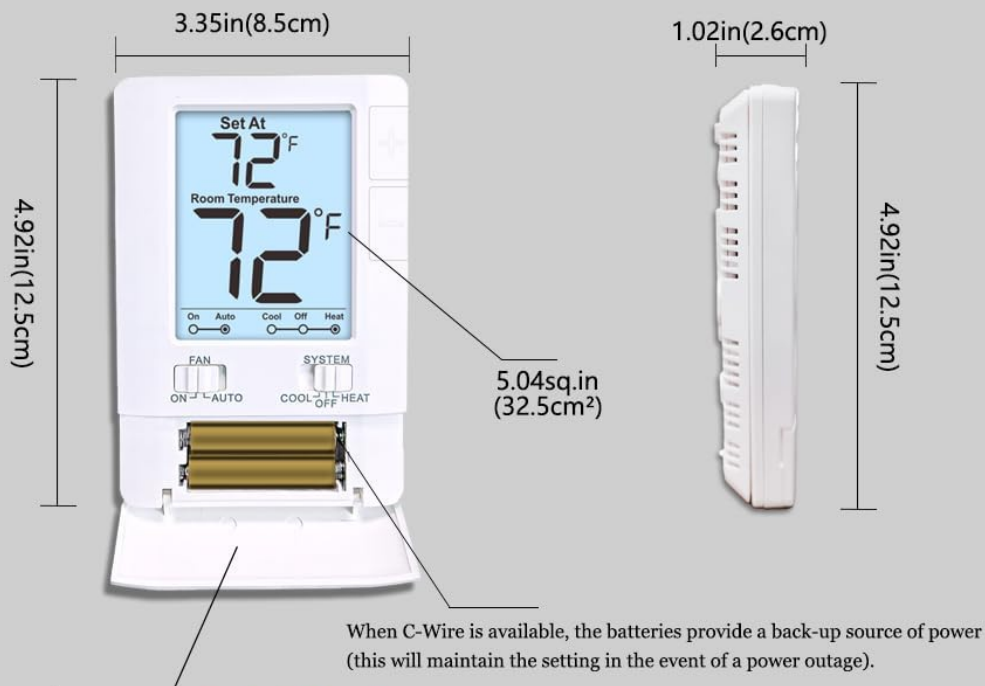
5.2 Mounting the Thermostat Base

The Miuputake V701 thermostat features a universal sub-base for easy installation. The base can be attached to the wall using the provided screws and anchors.

1. Separate the thermostat face from its base.
2. Position the base on the wall where you want to install the thermostat.

3. Mark the screw holes.
4. Drill pilot holes if necessary and insert wall anchors.
5. Secure the thermostat base to the wall using the screws.

Heating and Cooling Thermostat Dimensions



Easy change battery door (Not Supplied Batteries)
 2*AAA alkaline batteries are required when C-wire is not available.



Important: Confirm whether the size of the product can completely cover the traces of your old thermostat.

Image 4: Thermostat Back Panel. This image shows the rear of the thermostat, detailing the terminal block for wiring connections and the Electric/Gas switch.

5.3 Wiring Connections

Connect the labeled wires from your wall to the corresponding terminals on the thermostat's sub-base. Refer to the diagram below for terminal designations. Ensure wires are securely fastened.

Caution: 4 wires must be connected for use. If only 2 wires are used, batteries must be installed. The base can only be attached with a maximum of 2 to 5 wires. Connections with 6 to 8 wires are not suitable.

Terminal Designations

Terminal	Function
C	Common 24VAC (system power supply)
O	Reversing Valve Cool
B	Reversing Valve Heat

Terminal	Function
W	Heat
RH	24VAC (system power supply) - Heat = RH to W
RC	Cool = RC to Y, Fan = RC to G
G	Fan
Y	Cool

If you have both RH and RC wires, remove the metal jumper wire between RH and RC terminals. If you only have one R wire, connect it to the RH terminal and leave the jumper in place.



Image 5: Thermostat Wiring Terminals. This diagram provides a clear visual guide for connecting system wires to the appropriate terminals on the thermostat's backplate.

5.4 Power Supply

The thermostat can be powered by 24VAC from your HVAC system or by two AAA batteries. If your system does not provide a C-wire, batteries are required. When a C-wire is available, batteries provide a backup power source in case of a power outage.

To install batteries: Open the battery compartment on the front of the thermostat and insert 2 AAA alkaline batteries, observing polarity. Close the compartment.

Your browser does not support the video tag.

Video 1: Miuputake V701 Thermostat Overview. This video demonstrates the physical aspects of the thermostat, including its battery compartment and the separation of the front panel from the backplate for installation.

After wiring and battery installation (if applicable), carefully attach the thermostat face to its base.

Important: Confirm whether the size of the product can completely cover the traces of your old thermostat.

6. OPERATION

The Miuputake V701 thermostat features a simple, user-friendly interface for manual temperature control.

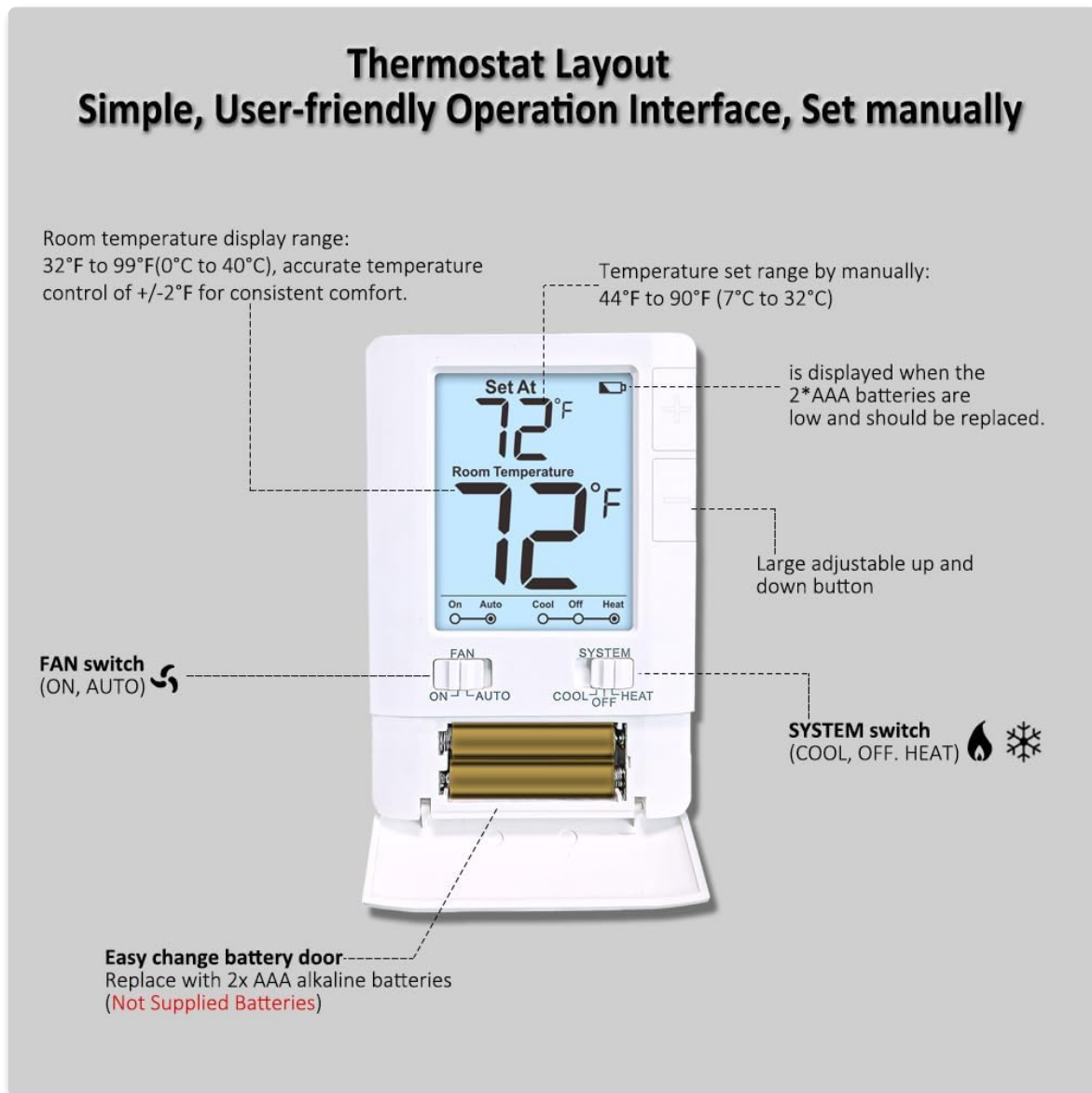


Image 6: Thermostat Layout. This image labels the various components of the thermostat, including the LCD display, temperature adjustment buttons, and the FAN and SYSTEM switches.

6.1 Setting Temperature

Use the large adjustable up (+) and down (-) buttons on the right side of the thermostat to set your desired temperature. The "Set At" temperature will be displayed at the top of the screen, and the current "Room Temperature" below it.

6.2 Fan Operation

The FAN switch has two settings:

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

6.3 System Mode

The SYSTEM switch has three settings:

- **COOL:** The thermostat will activate your cooling system when the room temperature rises above your set temperature.
- **OFF:** The heating and cooling systems are turned off.
- **HEAT:** The thermostat will activate your heating system when the room temperature falls below your set temperature.

The display will show a flame icon for heating and a snowflake icon for cooling when the respective system is active.

7. SYSTEM COMPATIBILITY

The Miuputake V701 thermostat is compatible with 1 Heat, 1 Cool single-stage systems. Please review the compatibility chart below to ensure your HVAC system is supported.

1 Heat, 1 Cool Single Stage Room Thermostat System Compatibility

Heating Compatible:

- ✓ Gas / Oil / Electric Furnace - Heating Only
- ✓ Gas / Oil / Electric Furnace - Single Stage
- ✓ Heat Pump w/o Auxiliary or Emergency Heat
- ✓ Floor or Wall Furnaces
- ✓ Gas Fireplaces (24V)
- ✓ Millivolt
- ✓ Forced Air



Not Compatible:

- ✗ Heat Pump with Auxiliary or Emergency Heat
- ✗ Gas / Oil / Electric Furnace - Multi Stage
- ✗ Electric Baseboard Heat (110-240 Volts)
- ✗ Portable Space Heaters
- ✗ Radiant Ceiling Heat
- ✗ Convectors
- ✗ Multi Stage Cooling
- ✗ Mini Split Systems

Cooling Compatible:

- ✓ Cooling Only Systems
- ✓ Single Stage Cooling

Image 7: System Compatibility. This chart details which heating and cooling systems are compatible with the Miuputake V701 thermostat, and which are not.

Compatible Systems:

- Gas / Oil / Electric Furnace - Heating Only
- Gas / Oil / Electric Furnace - Single Stage
- Heat Pump without Auxiliary or Emergency Heat
- Floor or Wall Furnaces
- Gas Fireplaces (24V)
- Millivolt Systems
- Forced Air Systems
- Cooling Only Systems
- Single Stage Cooling Systems

Not Compatible With:

- Heat Pump with Auxiliary or Emergency Heat
- Gas / Oil / Electric Furnace - Multi Stage
- Electric Baseboard Heat (110-240 Volts)
- Portable Space Heaters
- Radiant Ceiling Heat
- Convector
- Mini Split Systems

8. MAINTENANCE

8.1 Battery Replacement

When the 2 AAA batteries are low, a low battery indicator will appear on the display. Replace both batteries promptly to ensure continuous operation, especially if a C-wire is not used. Refer to Section 5.4 for battery installation instructions.

8.2 Cleaning

Clean the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Avoid spraying liquids directly onto the thermostat.

9. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No display or blank screen	No power (circuit breaker off, dead batteries, C-wire issue)	Check circuit breaker. Replace batteries. Verify C-wire connection if applicable.

Problem	Possible Cause	Solution
Heating/Cooling system not responding	Incorrect wiring, system switch in OFF, set temperature not reached, power off	Verify wiring connections. Ensure SYSTEM switch is set to HEAT or COOL. Adjust set temperature. Check circuit breaker.
Inaccurate temperature reading	Thermostat location, calibration issue	Ensure thermostat is not in direct sunlight or near heat sources. Consult advanced settings for calibration if available (refer to full manual if provided).
Fan runs continuously in AUTO mode	Fan switch set to ON	Move FAN switch to AUTO.

10. SPECIFICATIONS

Brand: Miuputake

Model Name: V701

Product Dimensions: 1.02"D x 3.35"W x 4.92"H (2.6cm D x 8.5cm W x 12.5cm H)

Controller Type: Push Button

Special Feature: Low Battery Indicator, Setpoint Limit Option

Color: White

Specific Uses For Product: Heating and Cooling Controls

Temperature Control Type: Conventional Single Stage Systems

Voltage: 24 Volts (AC)

Material: Plastic

Display Type: LCD

Control Method: Touch (buttons)

Mounting Type: Wall Mount

Batteries: 2 AAA batteries required (not included)

Item Weight: 7 ounces

Small Thermostat, Big Power for Your Sweet Home



New feature: Heating and cooling setpoint limits allow you to define a maximum heat setting and a minimum cool setting for better energy control.

Image 8: Thermostat Dimensions. This image provides a visual representation of the thermostat's height, width, and depth in both inches and centimeters.

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Miuputake website. Keep your purchase receipt as proof of purchase.