

GARYSTAT
G701 Non-Programmable
Thermostat



Garystat G701 Non-Programmable Thermostat User Manual

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GARYSTAT

Garystat G701 Non-Programmable Thermostat



INTRODUCTION

For homes with a single-stage HVAC system, the Garystat G701 Non-Programmable Thermostat is an excellent choice for accurate temperature management. This thermostat has a big, blue-lit LCD display that is easy to read and makes it simple to operate; it costs **\$26.99**. Maintain a pleasant indoor climate with the help of its integrated temperature and humidity sensor, which provides information in real time. This thermostat, made by the dependable HVAC solutions provider Garystat, is suitable for use with central heating and cooling systems, gas, oil, and electric furnaces. You can power it using either AAA batteries or 24VAC power, and it has an easy-access battery compartment and a low-battery indication, all thanks to its well-thought-out design. The Garystat G701 provides consistent performance and user-friendly features, making it an excellent choice for anyone looking to upgrade from an older model or achieve exact climate control.

QUICK REFERENCE

Thermostat Quick Reference

Easy Change Battery Door

Replace with 2x AAA alkaline batteries, high quality alkaline batteries are recommended.

Temperature Setpoint Buttons

Press the Up or Down arrow buttons to select the desired room temperature.

Not Supplied Batteries

Display Room Temperature/Humidity

Display Setpoint Temperature

Fan Switch

ON - will run the fan continuously.
AUTO - will cycle the fan on only when the heating or cooling system is on.

System Switch

Selects the operation mode on your HVAC system. Selecting **HEAT** turns on the heat mode. Selecting **COOL** turns on the cool mode. Selecting **OFF** turns both heating and cooling off.

LCD Display

-  is displayed when the SYSTEM switch is in the HEAT position.
-  is displayed (non-flashing) when the SYSTEM switch is in the COOL position.
is displayed (flashing) when the compressor is in lockout mode.
-  is displayed when the FAN switch is in the ON position.
is displayed when the FAN switch is in the AUTO position, only when the heating or cooling system is on.
-  is displayed when the 2 "AAA" batteries are low and should be replaced.



The display range of temperature 32°F to 99°F (0°C to 50°C)



The display range of humidity 10%RH to 99%RH

SPECIFICATIONS

Brand	Garystat
Model Name	Thermostat
Price	\$26.99
Product Dimensions	0.98"D x 3.74"W x 4.92"H
Controller Type	Push Button
Special Features	Low Battery Indicator, Temperature & Humidity Monitor
Power Source	Corded Electric or 2 AAA Batteries
Voltage	24 Volts
Material	Plastic
Shape	Rectangular
Display Type	LCD with Blue Backlight
Control Type	Button Control
Control Method	Touch
Mounting Type	Wall Mount
Style	Professional
Backlight	Yes
Temperature Control Type	1 Heat and 1 Cool
Compatibility	Gas, Oil, Electric Furnaces, Millivolt, Central Systems
Incompatibility	110-240V HVAC, Heat Pump, Aux/Emergency Heating, RV Systems
Specifications	Non-Programmable, Single Stage, Room Temperature Calibration
Additional Features	Fan Switch, Room Temp & Humidity Monitor, Compressor Delay
Terminal Designations	RH, RC, G, Y, C, O, B, W
Universal Sub-base	Yes
Manufacturer	Garystat
Item Weight	5.8 ounces
Date First Available	September 15, 2022

WHAT IS IN THE BOX

Check Package Contents

This package should contain the following items:

- 1 x Thermostat
- Mounting screws and wall anchors (x2)
- Terminal wire label stickers
- Installation instructions



- 1 x Thermostat
- Mounting screws and wall anchors (x2)
- Terminal wire label stickers
- User Manual

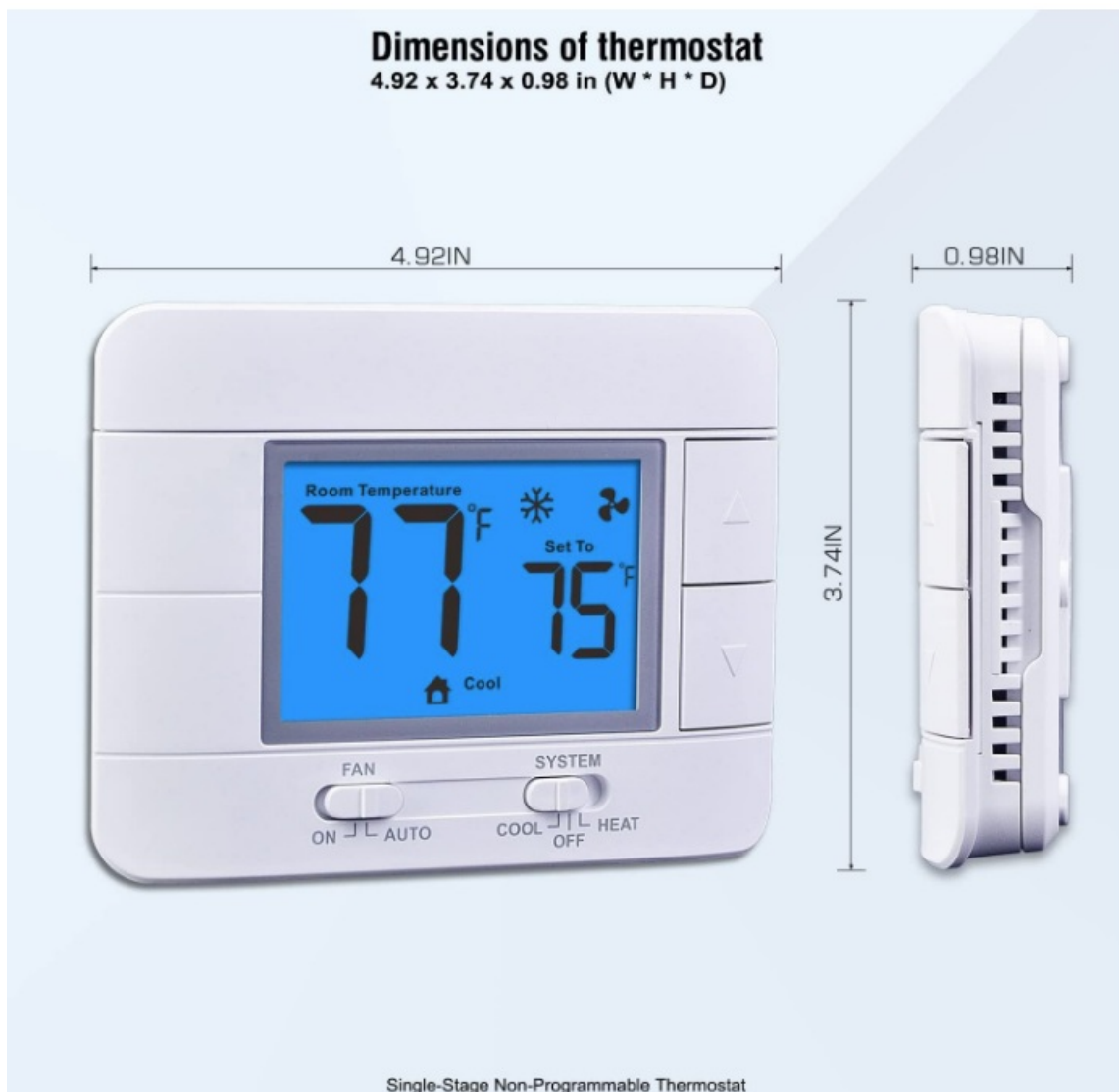
FEATURES

- Ideal for gas, oil, electric, and millivolt furnaces, as well as single-stage systems that support one heat and one cool, this component is compatible with single-stage systems.
- With its large and easily readable blue backlit LCD screen, this device is perfect for use in dimly lit environments.
- **Humidity and Temperature Monitor:** Shows current humidity levels in addition to temperature for better climate control.
- The low battery indicator will let you know when the batteries are getting low so that you can replace them and keep the thermostat running properly.
- The fan control is designed to be user-friendly and adaptable, offering two options for operation: ON and AUTO.
- To maximize comfort, calibrate the room's temperature so that measurements are as accurate as possible.
- The battery compartment may be quickly and easily accessed, allowing for easy battery replacement.
- **Display in Fahrenheit or Celsius:** Depends on personal desire, you can choose between Fahrenheit and Celsius readings for temperature display.

- Terminal blocks with color coding make installation a breeze and cut down on mistakes.



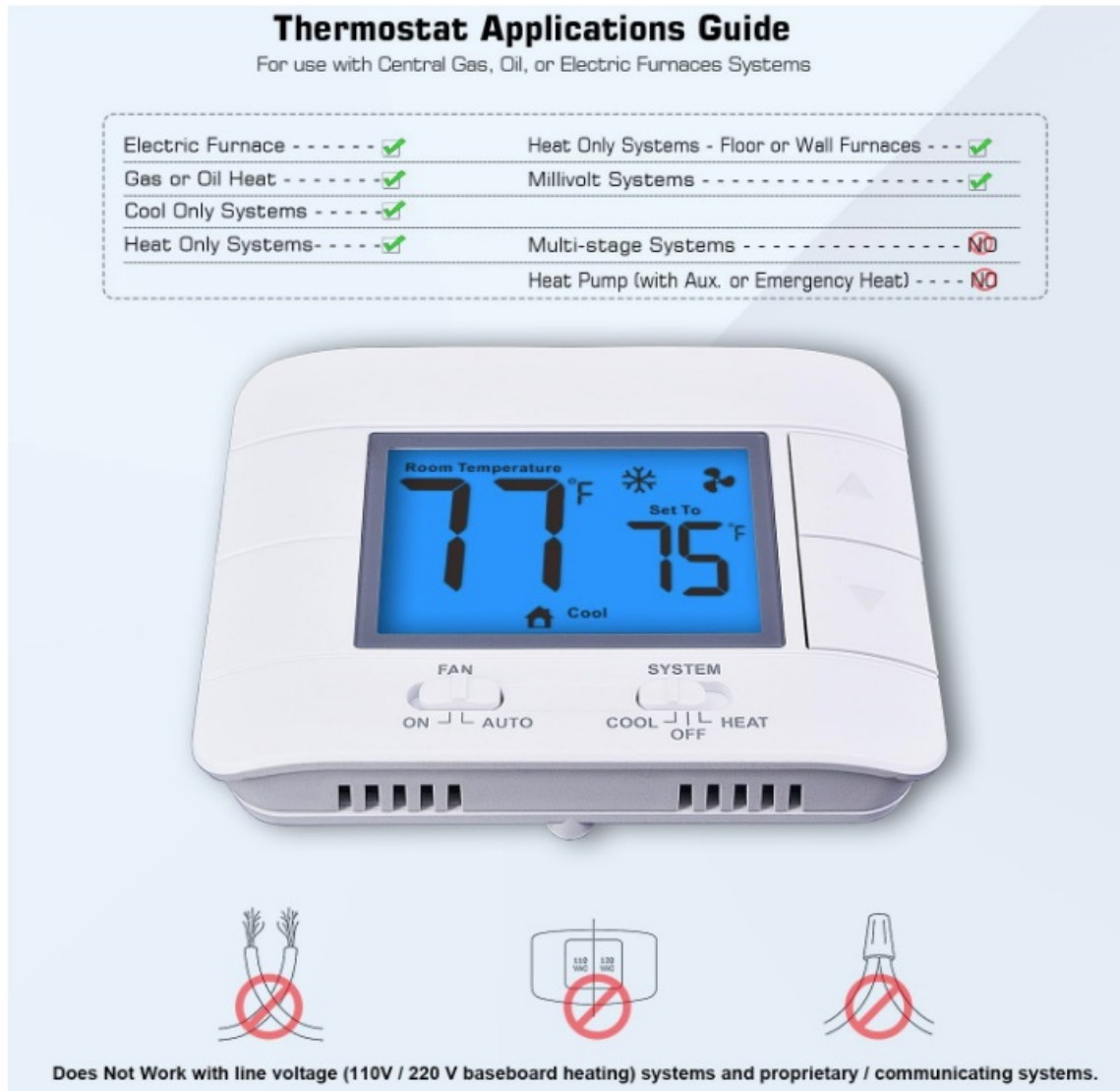
- You may achieve more exact control by adjusting the heating and cooling swings independently.
- A built-in protection feature delays activation after shutoff (selectable on/off) for three minutes to safeguard the compressor from harm.
- Simple installation is made possible with the Universal Sub-Base, which is compatible with a wide range of mounting configurations and junction boxes.
- The device is designed to be versatile, since it can operate using either 24VAC electricity or two AAA batteries.
- **Neat and Inconspicuous:** Measuring just 0.98" deep x 3.74" wide x 4.92" high, it's a perfect fit for any space.
- **Mounting on Walls or Junction Boxes:** Provides a range of mounting solutions to accommodate various installation choices.



SETUP GUIDE

- Make sure the thermostat will work with your current HVAC system before you buy it.
- You can power it with the included 24VAC adapter or by inserting two AAA batteries into the compartment for simultaneous use of both power sources.
- **Mounting Site:** Stay away from drafts and direct sunshine and pick a central, easily accessible spot on the wall or junction box to mount it.
- **Terminal Blocks with Color Codes:** RH, RC, G, Y, C, O, B, and W are used to connect the thermostat's wires.
- **Adjusting the Thermostat:** Toggle the display options for Fahrenheit or Celsius to choose your desired temperature unit.
- If you'd want a continuous airflow or temperature-based automated fan control, you can toggle the fan settings to the appropriate mode.
- To get the most out of your swing, you can adjust the speed of the heating and cooling cycles independently.
- Adjust the calibration knob until the room temperature is exactly where you want it to be.
- The system can be safeguarded from harm by activating the 3-minute compressor delay.
- Go to the Power Menu. Choose between the 24VAC power and the more convenient AAA batteries.
- If you want to use batteries, put two AAA batteries into the slot and make sure the low battery light is on.
- **Humidity Monitor Activation:** Make sure the humidity monitor is configured to show both the temperature and the humidity value in real-time.

- For maximum convenience, program the thermostat to display the current temperature as well as the relative humidity.
- To better suit your comfort preferences, you can separate the heating and cooling cycles and set separate cycle rates for each.
- After installation is complete, test the system to make sure the temperature controls, fans, and other features are working as intended.



CARE & MAINTENANCE

- To keep your device running smoothly, check the batteries regularly and replace them when the low battery warning light comes on.
- For optimal viewing, keep the LCD screen clean by wiping it gently with a dry, soft cloth.
- **Check and Clean the Air Filter:** To keep the HVAC system running efficiently and extend the life of the thermostat, check and clean the air filter on a regular basis.
- In order to keep the thermostat readings accurate and the airflow proper, check for dust accumulation and make sure the vents are clear of debris.
- **Verify Wiring Connections:** At regular intervals, verify that the connections between wires are tight and undamaged.
- If the system is having problems, you can restore the thermostat to its original settings by performing a reset.

- To avoid damage or erroneous readings, place the thermostat in an area that is not directly exposed to sunlight.
- **Stay Away from Humid Areas:** Put the thermostat somewhere dry; else, it might not work properly.
- Fix the Thermostat If the thermostat’s display or buttons stop working, it may be time to get a new one.
- Before replacing, make sure the new thermostat is compatible with the current HVAC system. This is especially important if you are moving from another brand of thermostat.
- To prevent inadvertent harm, turn off the thermostat while you are renovating your property.
- To keep the thermostat from breaking inside, press the buttons gently rather than firmly.
- If your thermostat isn’t working properly, you should first look for error codes or other signs of system failure; if none of these appear, it may be time to call a professional.
- The best way to keep the battery compartment free of corrosion is to keep it dry.
- For dependable operation, check the thermostat’s temperature calibration on a regular basis and adjust it if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Display not turning on	Dead batteries or no power supply	Replace batteries or check power connection.
Temperature reading is inaccurate	Room temperature calibration needed	Perform manual room temperature calibration.
Fan does not operate in AUTO mode	Incorrect switch position	Set back switch to ELEC position.
Low battery indicator stays on	Poor battery contact	Ensure batteries are securely installed.
No cooling or heating	Wiring issue	Verify correct terminal connections.
Backlight not functioning	Power issue	Check power source or battery status.
Thermostat not responding to inputs	Software glitch	Remove batteries for 5 minutes and reinstall.
HVAC system cycling too frequently	Swing setting too tight	Adjust heating and cooling swing rate settings.
Display shows incorrect temperature unit	Wrong display setting	Switch between Fahrenheit and Celsius.
Thermostat mounting issues	Uneven wall surface	Ensure thermostat is mounted on a flat surface.

PROS & CONS

Pros:

1. Large blue backlit LCD display for easy reading.
2. Temperature and humidity monitor for real-time updates.
3. Dual power options: 24VAC or AAA batteries.
4. Fan control switch with ON and AUTO functions.

5. Easy installation with wire-coded terminal blocks.

Cons:

1. Not compatible with 110-240V HVAC systems.
2. Incompatible with heat pump systems and RV thermostats.
3. Requires manual calibration for precise readings.
4. No programmable features for customized schedules.
5. Limited compatibility with multi-stage systems.

WARRANTY

The Garystat G701 Non-Programmable Thermostat comes with a **1-year** limited warranty, covering defects in materials and workmanship. For warranty claims, customers should contact Garystat's customer support with proof of purchase.

FREQUENTLY ASKED QUESTIONS

What type of system is the Garystat G701 thermostat compatible with?

The Garystat G701 is compatible with single-stage systems, including gas, oil, electric furnaces, millivolt systems, and central heating and cooling systems.

What special features are included with the Garystat G701 thermostat?

The Garystat G701 includes a real-time temperature and humidity monitor, a low battery indicator, and the option to display temperature in Fahrenheit or Celsius.

What is the power source for the Garystat G701 thermostat?

The Garystat G701 can be powered either by 24VAC power or 2 AAA batteries, offering flexible installation options.

How does the Garystat G701 thermostat handle temperature and humidity monitoring?

The Garystat G701 provides a real-time temperature and humidity cycle display, allowing users to monitor both indoor conditions for enhanced comfort.

Does the Garystat G701 thermostat have a compressor delay feature?

The Garystat G701 includes a 3-minute compressor delay protection, which can be enabled or disabled, protecting your system from short cycling.

How does the Garystat G701 thermostat manage the fan function?

The Garystat G701 thermostat offers a fan switch with ON and AUTO functions, giving users flexibility in controlling the airflow.

How do I install the Garystat G701 thermostat?

The Garystat G701 thermostat comes with easy wire-coded terminal blocks and can be mounted on a wall or junction box for straightforward installation. It also includes a universal sub-base for added convenience.

VIDEO – PRODUCT OVERVIEW



<https://manuals.plus/wp-content/uploads/2025/02/Garystat-G701-Non-Programmable-Thermostat-User-Manual.mp4>

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