

Master Flow PT6

GAF Master Flow PT6 Adjustable Thermostat User Manual

Model: PT6

INTRODUCTION

The GAF Master Flow PT6 adjustable thermostat is designed to control single-speed power vents and fans, helping to reduce damaging attic heat and moisture. This unit is fully adjustable for various climate conditions and is UL Listed for safety. This manual provides essential information for safe and proper installation, operation, and maintenance of your thermostat.

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the circuit breaker before installation or servicing.

Always wear proper personal safety equipment, including safety eyewear and work gloves. All electrical work must comply with local building codes and the National Electrical Code (U.S. only). If you are unfamiliar with electrical codes or installations, contact a qualified electrician.

This device is designed to be activated by temperature. Ensure all connections are secure to prevent accidental operation.

SETUP AND INSTALLATION

Follow these steps to install your GAF Master Flow PT6 Thermostat:

1. **Disconnect Power:** Locate the circuit breaker controlling the power vent or fan and turn off the power. Verify power is off using a voltage meter before proceeding.
2. **Remove Old Thermostat (if applicable):**
 - Remove the cover of the existing thermostat box.
 - Carefully disconnect any pre-wired connections, such as a blue wire nut from the factory.
 - Disconnect the power wires (typically black and white) and move them to the side, ensuring they do

not cross.

- Disconnect the upper conduit from the box.
 - Loosen and remove the Romex clamp nut from the bottom of the box. Note: The Romex clamp does not come with the new unit; save the existing one or acquire a new one.
 - Remove the old thermostat box from its mounting location.
3. **Mount New Thermostat:** Mount the new GAF Master Flow PT6 thermostat unit in the same location where the old unit was installed. Secure it firmly.
 4. **Prepare for Wiring:** Remove the cover from the new thermostat unit.
 5. **Feed Wires:** Feed the power supply wires through the bottom hole of the new thermostat box.
 6. **Secure Romex Clamp:** Fasten the Romex clamp nut securely into the box to hold the power supply wires in place.
 7. **Connect Ground Wire:** Loosen the ground wire screw, connect the ground wire, and tighten it down securely.
 8. **Connect Power Wires:**
 - Connect the black wire from the power supply (often with a white stripe) to the black wire of the new thermostat unit using a wire nut (e.g., blue wire nut). Ensure a secure connection.
 - Connect the white bare wires from the power supply and the thermostat together using a wire nut (e.g., yellow wire nut). Ensure a secure connection.
 9. **Organize Wires:** Gently push all connected wires back into the thermostat box, ensuring no wires are pinched or exposed.
 10. **Attach Cover:** Place the cover back onto the thermostat unit, ensuring the thermostat dial aligns correctly with the mechanism.
 11. **Restore Power:** Go back to the circuit breaker and turn the power back on.



Figure 1: GAF Master Flow PT6 Thermostat installed next to an attic fan.

Installation Video Guide

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Video 1: Detailed installation steps for the GAF Master Flow Thermostat. This video demonstrates the process of replacing an existing thermostat, including safety precautions and wiring connections.

OPERATING INSTRUCTIONS

The GAF Master Flow PT6 thermostat is designed for simple, manual temperature adjustment:

1. **Adjusting Temperature:** Use the dial on the front of the thermostat to set the desired activation temperature. The thermostat can be manually set from 60°F to 120°F.
2. **Automatic Operation:** Once the temperature is set, the thermostat will automatically power your connected fan or power vent on when the attic temperature rises above the set point, and turn it off when the temperature falls below it. This provides hands-free convenience and consistent attic ventilation.



Figure 2: Front view of the GAF Master Flow PT6 Thermostat with adjustable dial.

MAINTENANCE

To ensure optimal performance and longevity of your GAF Master Flow PT6 thermostat:

- **Periodic Inspection:** Annually inspect the thermostat and its wiring for any signs of wear, damage, or loose connections. Ensure the unit is free from dust, debris, or insect nests.
- **Cleaning:** If necessary, gently wipe the exterior of the thermostat with a dry, soft cloth. Do not use liquid cleaners or allow moisture to enter the unit.
- **Professional Check:** If you notice any unusual behavior or suspect a malfunction, consult a qualified electrician.

TROUBLESHOOTING

If your GAF Master Flow PT6 thermostat or connected fan is not operating as expected, consider the following:

- **Fan Not Turning On:**
 - Check the circuit breaker to ensure power is supplied to the unit.

- Verify the thermostat's temperature setting. The attic temperature must be above the set point for the fan to activate.
 - Inspect wiring connections for looseness or damage. Ensure all wire nuts are secure.
- **Fan Not Turning Off:**
 - Ensure the attic temperature has dropped below the thermostat's set point.
 - Check the thermostat dial for proper setting.
 - If the issue persists, the thermostat unit may require replacement.
 - **Intermittent Operation:** If the unit operates intermittently or erratically, re-check all electrical connections. Ensure the power supply is stable. If problems continue, professional inspection is recommended.

SPECIFICATIONS

Manufacturer	GAF Master Flow
Part Number	18PT600BG
Item Weight	7.7 ounces
Product Dimensions	4.25 x 2.15 x 3.75 inches
Model Number	PT6
Color	Blue
Style	Thermostat
Material	Galvanized Steel
Power Source	Wired Electric (120 Volts)
Voltage	120 Volts
Item Package Quantity	1
Mounting Type	Wall Mount
Special Features	All Metal Construction
Usage	Ventilation
Included Components	Thermostat

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your product or visit the official Master Flow website. You may also contact customer service for assistance with product inquiries or troubleshooting.

