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Broan-NuTone VT9W

Broan VT9W HE Wall Control User Manual

Model: VT9W | Brand: Broan-NuTone

1. Setup and Installation

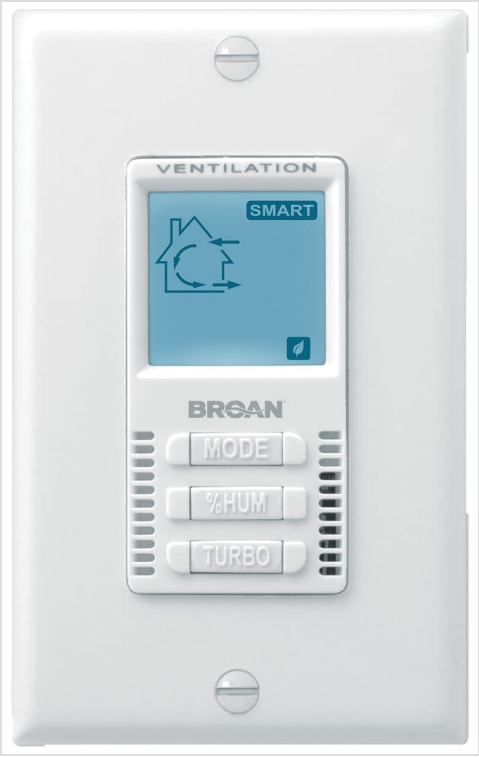
1.1 Unpacking the Control

Carefully remove the VT9W HE Wall Control from its packaging. Verify that all components are present and undamaged.

- VT9W Wall Control Unit
- Mounting Screws
- Installation Guide (this document)

1.2 Mounting the Control

The VT9W wall control is designed for standard wall box installation. Ensure power to the HE/ERV unit is disconnected before proceeding with installation.



Front view of the Broan VT9W HE Wall Control, showing the digital display with ventilation icons and 'SMART' indicator, along with physical buttons for 'MODE', '%HUM', and 'TURBO'.

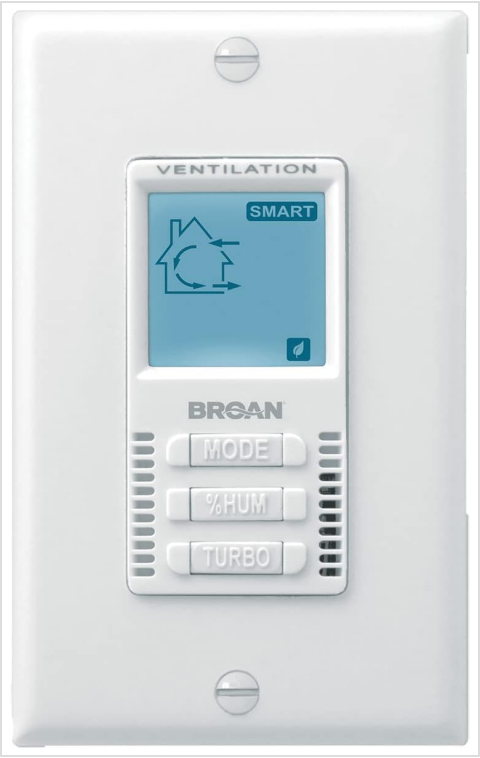
1. Prepare the wall box for installation.
2. Connect the wiring from the HE/ERV unit to the terminals on the back of the VT9W control, following the wiring diagram provided with your HE/ERV unit.
3. Secure the control to the wall box using the provided mounting screws.
4. Attach the faceplate to the control unit.

Note: Refer to the separate wiring diagram provided with your HE/ERV unit (H/ERV200 ECM or H/ERV250 ECM models) for detailed connection instructions. Incorrect wiring can damage the control or the ventilation unit.

2. Operating Instructions

2.1 Overview of Controls and Display

The VT9W control features a digital display and three primary buttons for operation.



Close-up of the Broan VT9W HE Wall Control, illustrating the digital display and the 'MODE', '%HUM', and 'TURBO' buttons.

- **Digital Display:** Shows current operating mode, ventilation status (house icon with arrows), and 'SMART' indicator. A small leaf icon may indicate energy-efficient operation.
- **MODE Button:** Cycles through available operating modes.
- **%HUM Button:** Adjusts the desired indoor humidity level.
- **TURBO Button:** Activates a temporary high-speed ventilation boost.

2.2 Mode Selection

Press the **MODE** button to cycle through the available operating modes for your HE/ERV unit. Common modes include:

- **SMART Mode:** The system automatically adjusts ventilation based on indoor air quality and humidity levels. This

is indicated by the 'SMART' text on the display.

- **Manual Mode:** Allows for continuous ventilation at a user-selected speed (e.g., low, medium, high).
- **Recirculation Mode:** If supported by your HE/ERV unit, this mode circulates indoor air without bringing in fresh outdoor air.

2.3 Humidity Control

To set or adjust the desired indoor humidity level, press the **%HUM** button. The display will show the current humidity setpoint. Repeated presses will cycle through available humidity percentage settings. The system will then work to maintain the indoor humidity near this setpoint.

2.4 Turbo Function

Press the **TURBO** button to activate a temporary high-speed ventilation boost. This is useful for quickly clearing odors or excess humidity from a specific area. The turbo function typically runs for a preset duration (e.g., 20, 40, or 60 minutes) and then returns to the previous operating mode. Pressing the button again may cancel the turbo function or extend its duration, depending on the unit's programming.

3. Maintenance

3.1 Cleaning the Control

To maintain the appearance and functionality of your VT9W wall control, clean it periodically.

- Wipe the surface with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals, as these can damage the finish or electronic components.
- Ensure no liquid enters the control unit.

3.2 System Filter Maintenance

The VT9W wall control manages your HE/ERV system, which relies on clean filters for optimal performance and air quality. While the control itself does not have filters, regular maintenance of your HE/ERV unit's filters is crucial.

Note: Refer to your main HE/ERV unit's instruction manual (H/ERV200 ECM or H/ERV250 ECM) for detailed filter inspection, cleaning, and replacement instructions.

4. Troubleshooting

If you experience issues with your Broan VT9W HE Wall Control, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
Control display is blank	No power to the HE/ERV unit or control; Loose wiring connection.	Check power supply to the HE/ERV unit. Verify all wiring connections are secure.

Problem	Possible Cause	Solution
Buttons are unresponsive	Temporary electronic glitch; Control unit malfunction.	Cycle power to the HE/ERV unit (turn off, wait 30 seconds, turn on). If issue persists, contact customer support.
System not responding to mode changes	Incorrect wiring; HE/ERV unit fault.	Verify wiring according to the HE/ERV unit's manual. Check the HE/ERV unit for error codes or malfunctions.
Humidity not being controlled effectively	Humidity setpoint too high/low; HE/ERV unit not operating correctly; Sensor issue.	Adjust the humidity setpoint. Ensure the HE/ERV unit is running in an appropriate mode. Consult the HE/ERV unit's manual for sensor troubleshooting.

If the problem persists after attempting these solutions, please contact Broan-NuTone customer support or a qualified service technician.

5. Specifications

The following are the technical specifications for the Broan VT9W HE Wall Control:

Specification	Detail
Manufacturer	Broan
Part Number	VT9W
Item Weight	5.1 pounds
Product Dimensions	12.3 x 12.3 x 4.8 inches
Item Model Number	VT9W
Item Package Quantity	1
Mounting Type	Wall Mount
Included Components	No Other Items Included
Batteries Required?	No
ASIN	B07K1KC45W
Date First Available	January 14, 2019

6. Warranty and Support

6.1 Warranty Information

The Broan VT9W HE Wall Control is covered by a manufacturer's warranty. For detailed information regarding the terms, conditions, and duration of your warranty, please refer to the warranty card included with your product or visit the official Broan-NuTone website.

6.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact Broan-NuTone customer service. Have your product model number (VT9W) and purchase date available when contacting support.

Visit the official Broan-NuTone website for the most current contact information and support resources.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question