

Venmar SKU40440

Venmar Altitude Wall Control User Manual

Model: Altitude Wall Control (SKU40440)

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Venmar Altitude Wall Control. Designed for ease of use, this state-of-the-art control unit offers unique comfort and energy savings through its fully automatic smart mode. Featuring an attractive, customizable LCD screen with advanced technology, it efficiently manages daily ventilation needs.

The Altitude Wall Control offers four distinct operating modes: Smart, Program, Ventilation, and Recirculation. It includes options for blue or green backlight and displays outdoor temperature in either Fahrenheit or Celsius. This unit is compatible with various Venmar models, including kubixtm - V Plus, kubixtm ERV, CONSTRUCTO TM 1.0 (from August 2008), ekotm 1.5, all novofittm models, solotm, and duotm.

PRODUCT OVERVIEW



Figure 1: Venmar Altitude Wall Control Unit

This image displays the Venmar Altitude Wall Control unit. The unit is white with a large blue LCD screen in the center. The screen shows days of the week (MON TUE WED THU FRI SAT SUN), time (00:00 AM/PM), period settings (1, 2, 3, 4), a house icon with arrows indicating air circulation (VENT, RECIRC), an error code display (ERROR CODE 888), and temperature/humidity readings (°F RH% / °C, IN OUT min max). On the right side of the screen, there are settings for backlight, recirculation (MAX, MIN, 40 min/h, 30 min/h, 20 min/h, OFF), and 'SMART MODE'. Below the main screen, there are buttons labeled 'VENT', 'RECIRC', 'PROG', and 'SMART MODE'. At the bottom of the unit, there are additional control buttons: 'MODE PREF', left and right arrow buttons, 'SET', and 'SMART'.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended that installation be performed by a qualified technician.

Mounting the Control

- Choose a central location in the living area, away from direct sunlight, drafts, or heat sources.
- Ensure the mounting surface is flat and stable.
- Secure the control unit to the wall using appropriate screws and anchors (not included).

Wiring Connections

Connect the control unit to your Venmar ventilation system according to the wiring diagram provided with your specific ventilation unit. The Altitude Wall Control operates on 120 Volts.

- **Power Connection:** Connect the 120V power supply to the designated terminals.
- **Communication Wires:** Connect the communication wires to ensure proper data exchange between the control and the ventilation unit.
- **Outdoor Temperature Sensor:** If applicable, connect the outdoor temperature sensor for accurate external temperature readings.

Warning: Disconnect power before performing any wiring to prevent electrical shock.

OPERATING INSTRUCTIONS

Powering On and Initial Setup

1. Once wired, restore power to the unit. The LCD screen will illuminate.
2. Use the **MODE PREF** button to cycle through initial settings such as time, date, and temperature unit (°F or °C).
3. Use the arrow buttons (▲ / ▼) to adjust values and **SET** to confirm.

Operating Modes

The Altitude Wall Control features four primary operating modes:

- **SMART Mode:** This fully automatic mode optimizes ventilation based on indoor and outdoor conditions, ensuring comfort and energy efficiency. Press the **SMART** button to activate.
- **PROGRAM Mode:** Allows you to set custom ventilation schedules for different times of the day and week. Press **PROG** to enter programming.
- **VENT Mode:** Activates continuous ventilation, bringing fresh air into the home. Press **VENT** to select.
- **RECIRC Mode:** Recirculates indoor air without bringing in outside air, useful for balancing humidity or temperature. Press **RECIRC** to select.

Adjusting Recirculation Settings

In RECIRC mode, you can adjust the recirculation intensity:

- **MAX:** Maximum recirculation.
- **MIN:** Minimum recirculation.
- **40 min/h, 30 min/h, 20 min/h:** Timed recirculation intervals per hour.
- **OFF:** Turns off recirculation.

Backlight Options

The LCD screen backlight can be set to blue or green. Refer to the settings menu (accessed via **MODE PREF** or **SET** button, depending on firmware) to change the backlight color.

MAINTENANCE

The Venmar Altitude Wall Control requires minimal maintenance. Keep the screen and buttons clean by wiping them with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

Filter Indicator

The control unit may display a "FILTER" indicator (visible in the top right of the LCD screen, as shown in Figure 1) to remind you to check or replace the filters in your Venmar ventilation unit. Refer to your ventilation unit's manual for filter maintenance procedures.

TROUBLESHOOTING

If you encounter issues with your Altitude Wall Control, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Screen is blank	No power; loose connection.	Check power supply to the unit. Ensure all wiring connections are secure.
Error Code displayed (e.g., "ERROR CODE 888")	System malfunction; sensor issue.	Note the error code and consult your Venmar ventilation unit's manual or contact Venmar support.
Control not responding to button presses	Temporary software glitch; button malfunction.	Try power cycling the unit (turn off power for 30 seconds, then turn back on). If issue persists, contact support.
Incorrect temperature/humidity readings	Sensor obstruction or malfunction.	Ensure sensors are not blocked. If readings are consistently inaccurate, the sensor may need replacement.

SPECIFICATIONS

- **Brand:** Venmar
- **Model:** Altitude Wall Control (SKU40440)
- **Voltage:** 120 Volts
- **Wattage:** 3.1 W
- **Backlight Color Options:** Green, Blue
- **Batteries Included:** No
- **ASIN:** B0057GKM50
- **UPC:** 640793836365

- **First Available Date:** December 20, 2016

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your Venmar ventilation system or visit the official Venmar website. Keep your proof of purchase for warranty claims.

If you require technical assistance or have questions not covered in this manual, please contact Venmar customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

Online Resources: For additional resources, FAQs, and updated information, please visit the official [Venmar website](#).

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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