

Bard 8403-060

Bard 8403-060 Temperature/Humidity Control User Manual

Model: 8403-060

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Bard 8403-060 Temperature/Humidity Control. This device is designed to accurately monitor and regulate both temperature and humidity levels in various environments, ensuring optimal conditions. Please read this manual thoroughly before attempting to install or operate the unit.

PRODUCT OVERVIEW



Figure 1: Front view of the Bard 8403-060 Temperature/Humidity Control. The unit is white with a dark rectangular display screen on the left and a set of directional and select buttons on the right. Included are two red wall anchors and two silver screws for mounting. A ruler is visible at the bottom and left, indicating dimensions.

The Bard 8403-060 features a clear digital display for real-time temperature and humidity readings, along with intuitive control buttons for easy navigation and setting adjustments. Its compact design allows for versatile installation.

SETUP AND INSTALLATION

Proper installation is crucial for the accurate and reliable operation of the control unit. It is recommended that installation be performed by a qualified technician.

Mounting Location

- Select a central location on an interior wall, away from direct sunlight, drafts, and heat sources (e.g., lamps, appliances).
- Ensure the location is free from vibrations and excessive moisture.
- Mount at a height of approximately 5 feet (1.5 meters) from the floor for optimal sensing.

Wiring

Refer to the wiring diagram provided with the product packaging for specific terminal connections. Ensure all power is disconnected before beginning any wiring procedures. Incorrect wiring can damage the unit or connected equipment.

Power On

Once wiring is complete and secure, restore power to the unit. The display should illuminate, indicating successful power-up.

OPERATING INSTRUCTIONS

The Bard 8403-060 is designed for user-friendly operation. Familiarize yourself with the display and control buttons.

Display Information

The digital display shows the current ambient temperature and relative humidity. Additional indicators may appear for operational modes (e.g., heating, cooling, humidifying, dehumidifying) or system status.

Setting Temperature and Humidity

1. Use the **Up** and **Down** arrow buttons to navigate through settings or adjust values.
2. Press the **Select** or **Enter** button (center button) to confirm selections or enter a menu.
3. Navigate to the desired temperature or humidity setpoint adjustment.
4. Adjust the value using the arrow buttons and confirm with the Select/Enter button.

Operating Modes

The unit typically supports various modes such as:

- **Auto:** Automatically switches between heating/cooling and humidifying/dehumidifying based on setpoints.
- **Heat:** Activates heating when temperature falls below setpoint.
- **Cool:** Activates cooling when temperature rises above setpoint.
- **Humidify:** Activates humidification when humidity falls below setpoint.
- **Dehumidify:** Activates dehumidification when humidity rises above setpoint.

Refer to the on-screen menu for specific mode selection and configuration.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your Bard 8403-060 control unit.

Cleaning

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the plastic or electronic components.
- Ensure no liquid enters the unit.

Sensor Care

Keep the sensor areas (if exposed) free from dust and debris to maintain accurate readings. Do not attempt to clean internal sensors unless specifically instructed by the manufacturer.

TROUBLESHOOTING

If you encounter issues with your Bard 8403-060, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; incorrect wiring; blown fuse/tripped breaker.	Check power source. Verify wiring connections. Reset circuit breaker or replace fuse.
Incorrect temperature/humidity readings.	Sensor obstructed or dirty; unit located near heat/cold source or draft.	Ensure sensor area is clean. Relocate unit if necessary to a more stable environment.
Connected equipment not responding.	Incorrect wiring; equipment malfunction; control unit settings incorrect.	Verify wiring. Check connected equipment's power and functionality. Review control unit's setpoints and operating mode.
Display is blank or flickering.	Power fluctuation; internal fault.	Cycle power to the unit. If problem persists, contact customer support.

If the problem persists after attempting these solutions, please contact Bard customer support or a qualified HVAC technician.

SPECIFICATIONS

Key specifications for the Bard 8403-060 Temperature/Humidity Control:

- **Model:** 8403-060
- **Brand:** Bard
- **Package Dimensions:** 9.65 x 6.81 x 1.89 inches
- **Item Weight:** 11.61 ounces
- **ASIN:** B00NTQQWRW
- **First Available:** September 23, 2014

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the official documentation included with your purchase or visit the Bard Manufacturing Company's official website. Keep your proof of purchase for warranty claims.

Bard Manufacturing Company Contact: Please refer to the contact information provided on the manufacturer's official

website or product packaging for the most current support details.