

Briidea HX-076 Crawl Space Humidistat Controller Instruction Manual

Model: HX-076 | Brand: briidea

1. INTRODUCTION AND OVERVIEW

The Briidea HX-076 Crawl Space Humidistat Controller is designed to manage humidity and temperature levels in various enclosed spaces such as crawl spaces, basements, attics, and garages. By automatically controlling connected ventilation fans or dehumidifiers, this device helps improve indoor air quality, prevent moisture-related issues like mold and wood rot, and contribute to a more comfortable and energy-efficient home environment.



Figure 1: Briedea HX-076 Crawl Space Humidistat Controller

2. PRODUCT FEATURES

- **Improved Indoor Air Quality:** Effectively decreases moisture and radon levels, enhancing the overall air quality in your home.
- **Dual Control Modes:** Offers two operational modes: Dehumidistat control and Thermostat + Dehumidistat control, allowing for flexible environmental management.
- **Integrated Outlets:** Features two plug-in sockets with individual on/off switches for connecting external devices like fans or dehumidifiers.
- **Enhanced Home Comfort:** Automatically activates ventilation or dehumidification when humidity exceeds set levels, preventing growth and wood rot, and deactivates when levels are optimal.
- **Energy Efficiency:** Helps reduce energy consumption by preventing continuous operation of dehumidifiers and fans, leading to potential cost savings.
- **Durable Construction:** Housed in a heavy metal shell, providing anti-rust and anti-corrosion properties for longevity.
- **Wide Application Range:** Suitable for controlling temperature and humidity in crawl spaces, basements, attics, garages, and greenhouses.

Reduce The Moisture Level, Keep Your Crawl Space From Wet



Figure 2: Benefits of the Humidistat Controller

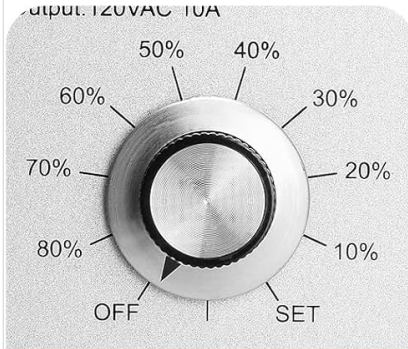
3. COMPONENTS AND WHAT'S IN THE BOX

The Briidea HX-076 controller package typically includes the following items:

- Briidea HX-076 Humidistat Controller Unit
- Integrated Power Cord (6.5 ft length)
- Humidity/Temperature Sensor Probe
- Instruction Manual



Product Details



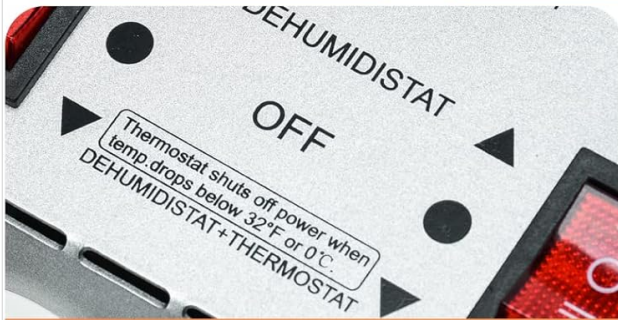
Humidity level: 10%-80%



Power cord length: 6.5ft



2 outlets



2 control modes: 1. Dehumidistat;
2. Thermostat + Dehumidistat control



Heavy metal shell: anti-rust and corrosion

Figure 3: Detailed view of controller components

4. SETUP AND INSTALLATION

Follow these general steps for setting up your Briidea HX-076 controller. Always ensure power is disconnected before handling electrical components.

1. **Choose Location:** Select a suitable location in your crawl space, basement, attic, or garage where the controller can be easily accessed and the sensor probe can accurately measure the environment.
2. **Mount the Controller:** Securely mount the controller unit to a wall or sturdy surface using appropriate fasteners. The heavy metal shell is designed for durability in various environments.
3. **Position the Sensor Probe:** Place the humidity/temperature sensor probe in a central location within the area to be monitored, away from direct airflow from fans or heat sources, to ensure accurate readings.
4. **Connect Devices:** Plug your ventilation fans, dehumidifiers, or other controlled devices into the two plug-in outlets on the controller. Ensure the individual on/off switches for each outlet are in the desired position.
5. **Power On:** Plug the controller's power cord into a standard 120VAC outlet.



Figure 4: Controller installed in a crawl space

5. OPERATING INSTRUCTIONS

The Briidea HX-076 offers straightforward operation with its control knob and mode switches.

1. **Select Control Mode:** Use the two individual on/off switches to select your desired control mode:
 - **Dehumidistat Mode:** Activates connected devices based solely on humidity levels.
 - **Thermostat + Dehumidistat Mode:** Activates connected devices based on both temperature and humidity levels.
2. **Set Humidity Level:** Rotate the central knob to set your desired humidity level (ranging from 10% to 80%). The controller will automatically activate connected devices when the ambient humidity rises above this set point and deactivate them when it falls below.
3. **Freeze Protection:** The unit is equipped with a freeze protection thermostat. If the outdoor temperature drops below 32°F (0°C), the fan will stop working to protect the unit and prolong its service life.

For a visual guide on setting humidity levels, you may refer to the following video:

6. MAINTENANCE

To ensure optimal performance and longevity of your Briidea HX-076 controller, regular maintenance is recommended:

- **Cleaning:** Periodically wipe the controller unit and sensor probe with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or immerse the unit in water.
- **Connection Check:** Regularly inspect all electrical connections, including the power cord and device plugs, to ensure they are secure and free from damage.
- **Environmental Check:** Ensure the sensor probe remains unobstructed and is not exposed to extreme conditions that could affect its accuracy.

7. TROUBLESHOOTING

If you encounter issues with your Briidea HX-076 controller, consider the following troubleshooting steps:

- **No Power:** Check if the power cord is securely plugged into a live outlet. Verify the outlet is functioning by plugging in another device.
- **Devices Not Activating:**
 - Ensure the individual on/off switches for the outlets are in the 'on' position.
 - Verify that the set humidity/temperature levels are appropriate for activation.
 - Check if the connected devices are powered on and functioning correctly when plugged directly into a wall outlet.
- **Inaccurate Readings:** Ensure the sensor probe is clean, undamaged, and positioned correctly away from direct drafts or heat sources.
- **Freeze Protection Active:** If the unit is not operating and the temperature is near or below freezing, the freeze protection feature may be active. Operation will resume when temperatures rise.

If problems persist after attempting these steps, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	briidea
Model Name	HX-076
Color	Silver
Product Dimensions	2.6"D x 2"W x 2.8"H
Item Weight	2.53 pounds

Material	Metal
Operation Mode	Automatic
Recommended Uses	Ventilating
Included Components	Cord
Special Feature	LED Light

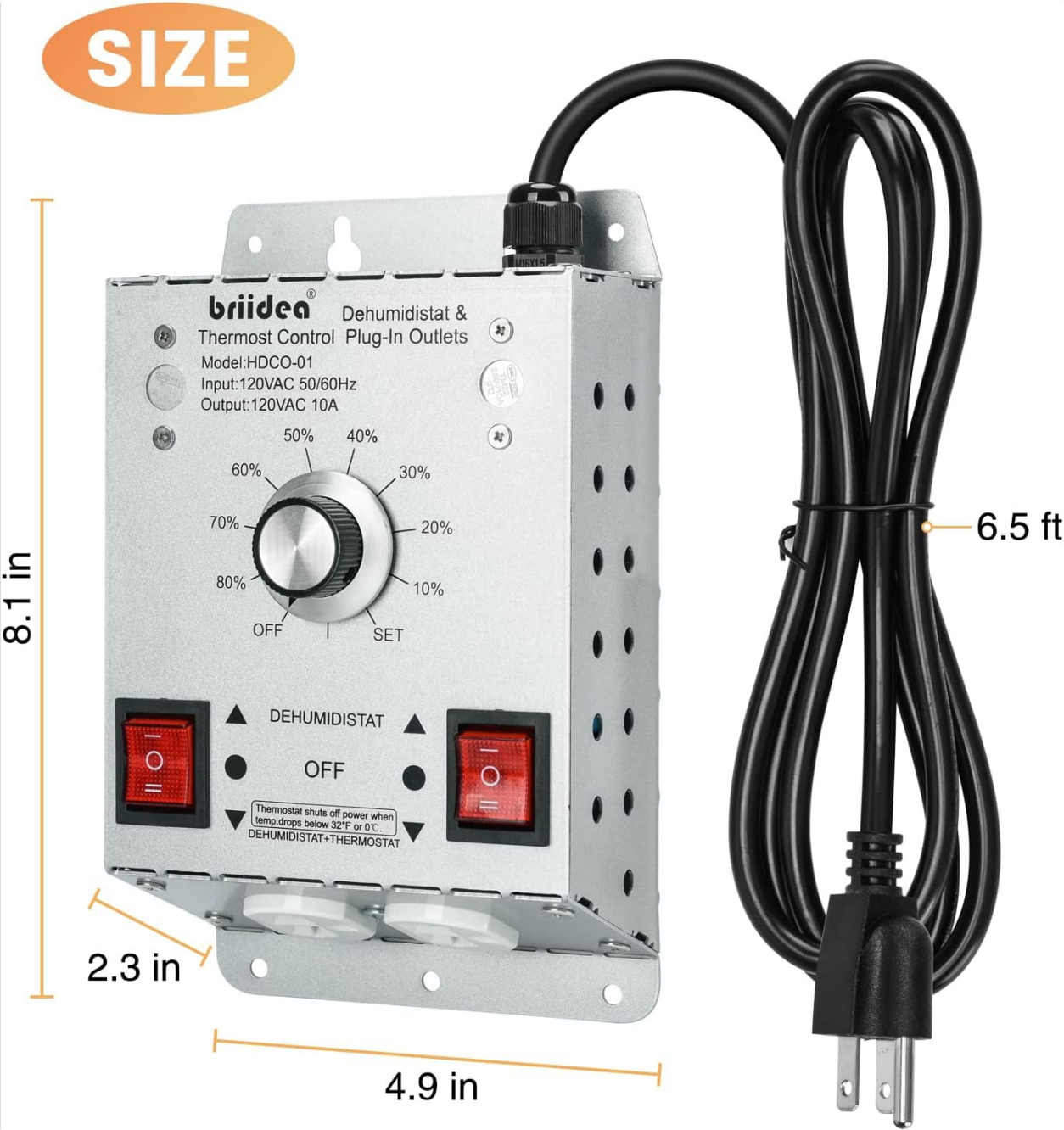


Figure 5: Product Dimensions

9. SAFETY INFORMATION

Please read and understand all safety warnings before operating this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Always ensure the power supply is disconnected before installation or maintenance.



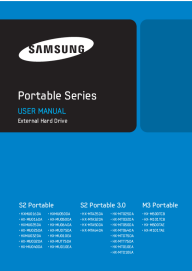
Do not operate with wet hands or in standing water.




- **Indoor Use Only:** This device is intended for indoor use in dry locations. Avoid exposure to direct water spray or submersion.
- **Proper Grounding:** The power cord is UL listed and includes a grounded plug. Ensure it is plugged into a properly grounded outlet.
- **Overload Protection:** Do not exceed the maximum electrical load capacity of the outlets.
- **Children and Pets:** Keep the device and its cords out of reach of children and pets.

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the briidea official website. Keep your purchase receipt for warranty claims.

Related Documents - HX-076

	<p>Briidea HASS-05 AC Soft Starter User Manual</p> <p>User manual for the Briidea HASS-05 AC Soft Starter, detailing its features, benefits, specifications, and installation guide. This soft starter is designed to reduce inrush current for AC motors, offering reverse motor protection and easy installation.</p>
	<p>briidea HASS-05 AC Soft Starter User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the briidea HASS-05 AC Soft Starter. Learn about its features, benefits, technical specifications, safety precautions, and step-by-step wiring and installation procedures for HVAC systems.</p>
	<p>Samsung Portable Series External Hard Drive User Manual</p> <p>Comprehensive user manual for Samsung Portable Series External Hard Drives, including S2 Portable, S2 Portable 3.0, and M3 Portable models. Learn about installation, usage, software, and troubleshooting.</p>

	<p>Samsung STORY Station Series External Hard Drive User Manual</p> <p>User manual for the Samsung STORY Station Series External Hard Drive. This guide provides detailed instructions on installation, connection, file management, and software features like Samsung Auto Backup and SecretZone™. Learn about troubleshooting, safety precautions, and product specifications for models including HX-DU010EB, HX-DE010EB, and HX-DTA10EB.</p>
	<p>HyperX Alloy Origins Keyboard User Manual</p> <p>Comprehensive user manual for the HyperX Alloy Origins Mechanical Gaming Keyboard, covering installation, function keys, specifications, software customization, console compatibility, and factory reset.</p>
	<p>HyperX Alloy Origins Keyboard User Manual</p> <p>Comprehensive user manual for the HyperX Alloy Origins mechanical gaming keyboard, covering specifications, installation, function keys, software customization with HyperX NGENUITY, console compatibility, and factory reset procedures.</p>