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> Briidea Wireless & Portable RF Remote Control Kit with Exclusive Temp/RH Detection and Large Display Screen, Compatible with Quiet Cool Whole House Fan and All 1 2 3 Speed Exhaust Fans User Manual

briidea MK-090

Briidea Wireless & Portable RF Remote Control Kit User Manual

PRODUCT OVERVIEW

The Briidea Wireless & Portable RF Remote Control Kit is designed to provide convenient and intelligent control over your whole house or exhaust fans. This system features an exclusive temperature and humidity detection technology with a large display screen, allowing for real-time visualization of attic and indoor environmental conditions. It supports single-line, double-line, and triple-line exhaust fans, offering wireless operation and a power failure memory function for enhanced user experience and energy efficiency.

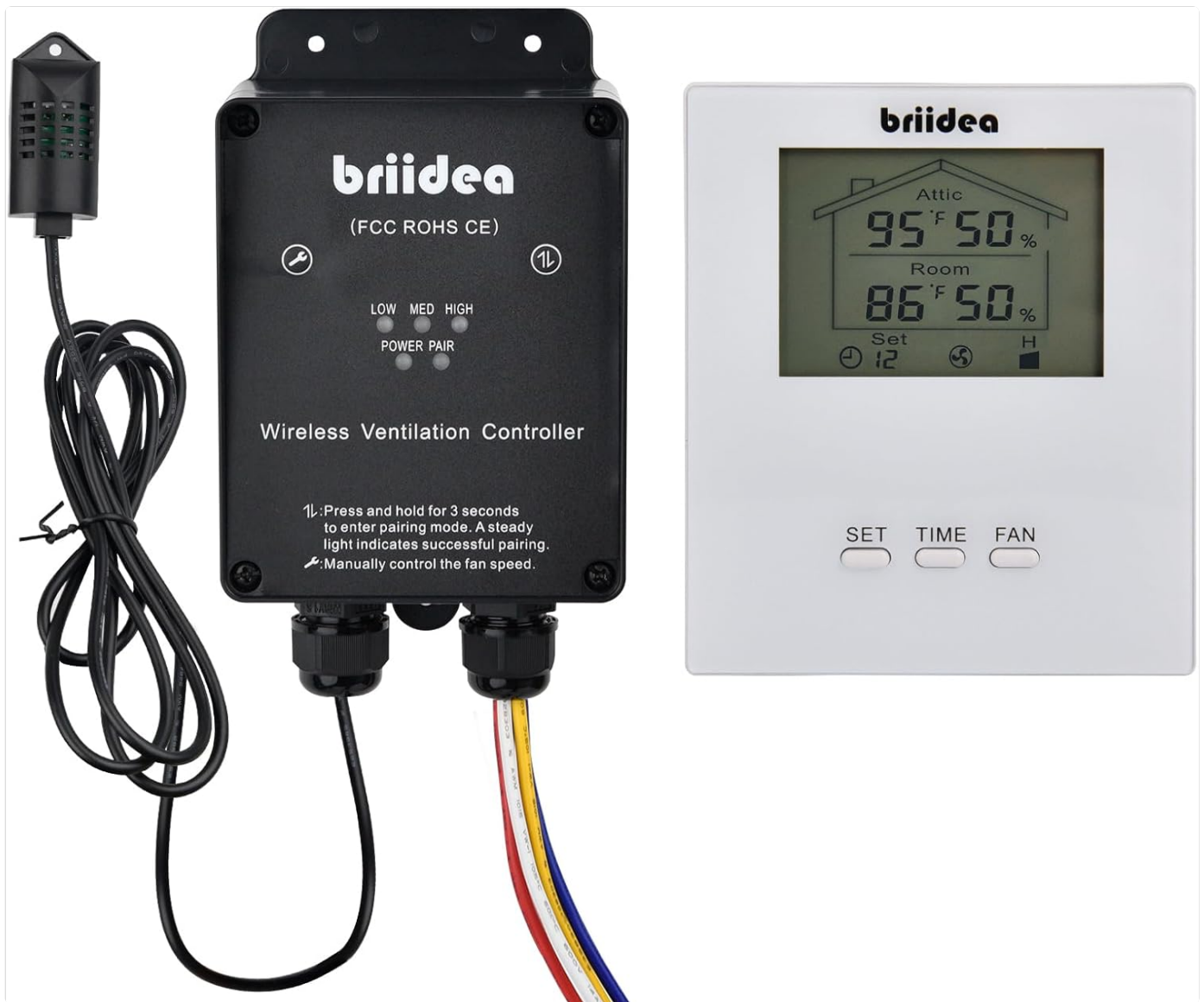


Image: The Briidea Wireless Ventilation Controller (left) connected to its temperature/humidity sensor, alongside the portable remote display (right).

KEY FEATURES

- **Wireless Control:** Enables remote operation of exhaust fans and monitoring of temperature and humidity from anywhere within range, eliminating the need for manual adjustments in attics.
- **Temperature and Humidity Visualization:** Features an exclusive detection technology and a display screen that shows real-time attic and indoor temperature and humidity, aiding in optimal fan speed and timing settings for energy conservation.
- **Safety Assurance:** Utilizes UL1015 standard compliant electronic wires for reliable and safe operation, particularly in challenging environments like attics.
- **Power Failure Memory:** Retains previous settings after a power outage, ensuring the device resumes normal operation without requiring re-configuration.
- **User-Friendly Interface:** Simple remote control buttons and a clear display screen with graphics and text for easy understanding of temperature, humidity, fan timer, and speed settings.
- **Broad Compatibility:** Compatible with single-line, double-line, and triple-line exhaust fans.

WIRELESS CONTROL



Image: Illustration demonstrating wireless control from a living space and the controller's compatibility with various exhaust fan setups in an attic.

Assist in Rational Use of Resources

Others



No display



No Temp and RH
detection technology

Ours



Visualization of all
parameters



Accurate Temp and
RH detection

Image: A comparison highlighting the Briidea system's advantages, including a display and accurate temperature/humidity detection, versus other systems lacking these features.

PACKAGE CONTENTS

Please verify that all components are present and in good condition upon opening the package:

- Wireless Ventilation Controller Unit
- Portable Remote Display Screen
- Temperature and Humidity Sensor (wired to controller)
- Installation Hardware (screws for wall mounting, if applicable)
- User Manual (this document)

SETUP INSTRUCTIONS

1. Controller Installation

1. **Power Off:** Before any wiring, ensure the power supply to the fan circuit is completely turned off at the circuit breaker.
2. **Mounting:** Securely mount the Wireless Ventilation Controller unit near your exhaust fan. Ensure it is in a location that allows for proper wiring and sensor placement.
3. **Wiring:** Connect the controller to your exhaust fan's wiring. The controller uses UL1015 standard electronic wires. Follow the clear markings on the installation lines for correct connections (e.g., input power, fan output). This system is compatible with single-line, double-line, and triple-line exhaust fans.
4. **Sensor Connection:** Connect the temperature and humidity sensor to the designated port on the controller. Position the sensor in the area where you wish to monitor temperature and humidity (e.g., attic).

2. Remote Display Setup

5. **Power On:** Once the controller is wired and mounted, restore power to the circuit.
6. **Pairing:** To pair the remote display with the controller, press and hold the pairing button on the controller for 3 seconds. A steady light on the controller will indicate successful pairing. The remote display should then show readings.
7. **Placement:** Place the portable remote display in a convenient location within your living space. It can be placed on a table or mounted on a wall using the provided mounting method (screws or adhesive).

SAFETY ASSURANCE



Image: Visual representation of the controller's robust design, highlighting UL-compliant wiring for enhanced safety and durability.

WALL MOUNTING METHOD



Image: Diagram illustrating two methods for wall mounting the remote display: using screws or adhesive strips.

OPERATING INSTRUCTIONS

Remote Display Overview

The remote display provides real-time information and control options. It shows attic temperature, attic humidity, room temperature, room humidity, fan timer settings, and current fan speed.

Complete Remote Control Functions

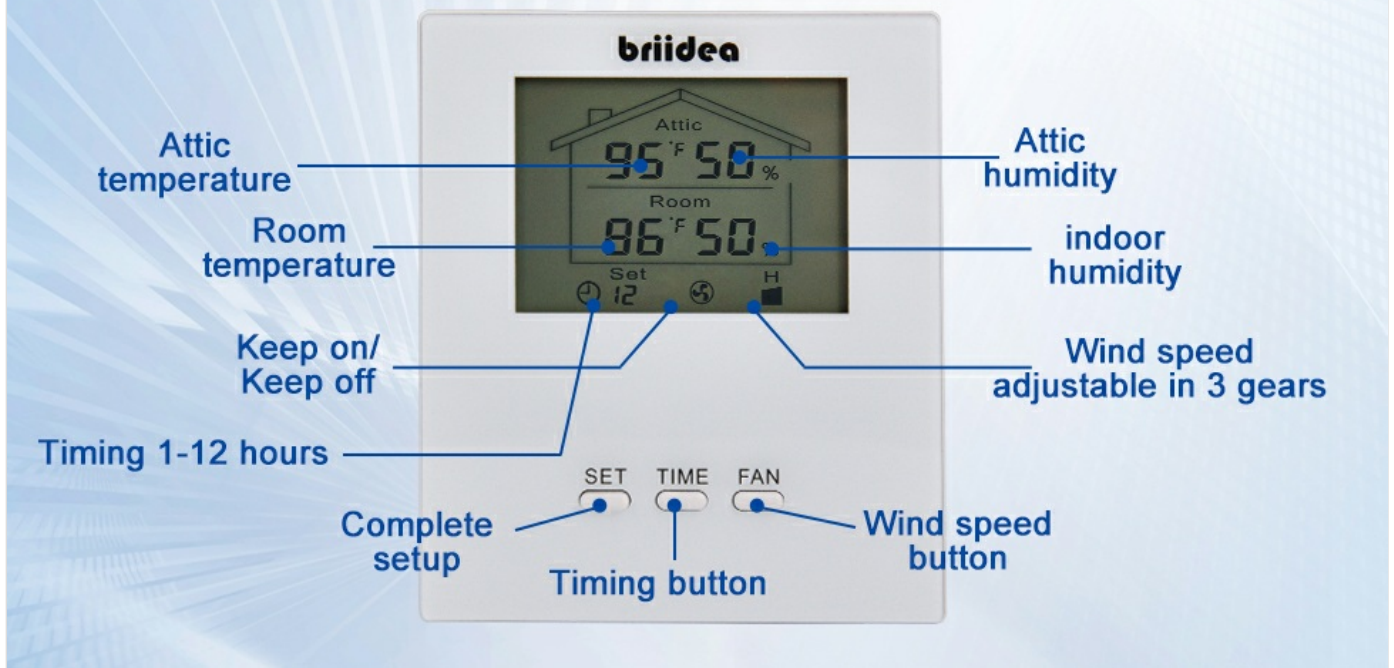


Image: Detailed view of the remote display screen with labels indicating attic temperature, attic humidity, room temperature, indoor humidity, 'Keep on/Keep off' status, timing (1-12 hours), and wind speed adjustable in 3 gears. Buttons for 'SET', 'TIME', and 'FAN' are also labeled.

Button Functions

- **SET Button:** Used for complete setup and configuration of the system, including setting desired temperature/humidity thresholds.
- **TIME Button:** Adjusts the fan timer. The timer can be set from 1 to 12 hours. Repeated presses cycle through available time settings and an 'OFF' option.
- **FAN Button:** Controls the fan speed. Cycles through Low, Medium, High, and Off settings.

Power Failure Memory

The system is equipped with a power failure memory function. In the event of a sudden power outage, the device will retain its last active settings and resume normal operation automatically once power is restored, eliminating the need for manual re-configuration.

POWER FAILURE MEMORY

Sudden power outage

Power ups



Image: A split image illustrating the power failure memory feature, showing the system's state during a sudden power outage (left) and its automatic resumption of operation when power returns (right).

Remote Control Range

The remote control operates effectively up to 200 feet in open spaces, allowing for flexible placement of the remote display within your home.

SENSITIVE REMOTE CONTROL

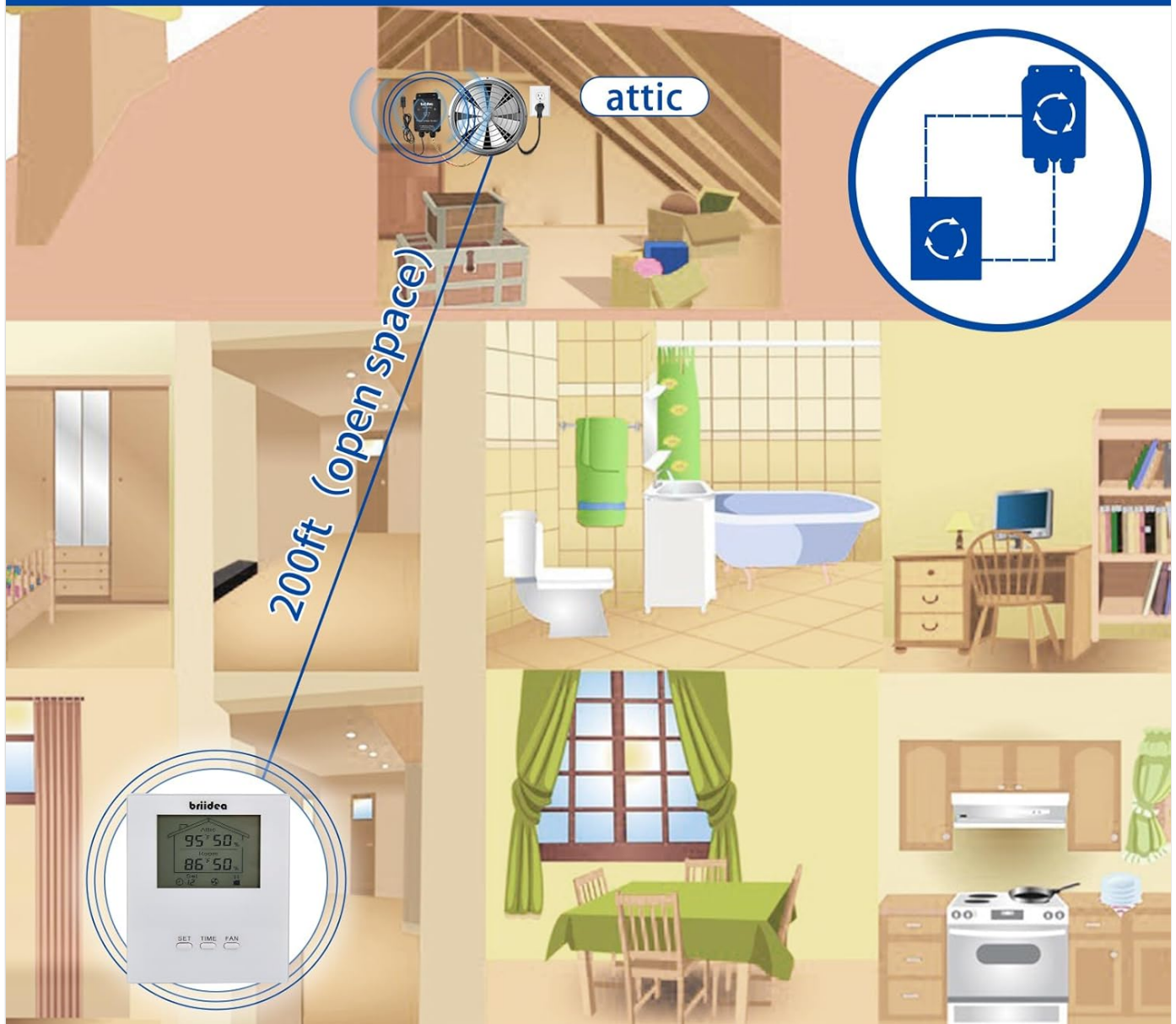


Image: A diagram showing the effective range of the wireless remote control, indicating control from various rooms up to 200 feet from the attic-mounted controller.

MAINTENANCE

- **Cleaning:** Periodically wipe the remote display and controller with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Sensor Care:** Ensure the temperature and humidity sensor remains free of dust and debris for accurate readings.
- **Connection Check:** Occasionally inspect all wiring connections to the controller to ensure they remain secure.
- **Battery Replacement:** (If applicable, though product states "Batteries required: No") If your model uses batteries for the remote display, replace them as needed when the low battery indicator appears.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Remote display not showing readings or not responding.	Not paired with controller; out of range; power issue to controller.	Ensure controller has power. Re-attempt pairing process (press and hold pairing button on controller for 3 seconds). Move remote display closer to the controller.
Fan not responding to remote commands.	Controller not receiving power; wiring issue; fan malfunction.	Check circuit breaker and controller power indicator. Verify all wiring connections are secure. Test the fan directly if possible.
Inaccurate temperature/humidity readings.	Sensor obstructed or dirty; sensor damaged; improper sensor placement.	Clean the sensor. Ensure the sensor is placed in an area representative of the environment you wish to monitor, away from direct heat sources or drafts.
Remote display screen cracked.	Physical impact.	Handle the remote display with care. Contact customer support for replacement options if necessary.
Multiple units in one house cause cross-talk.	RF interference between identical units.	This system may not be suitable for environments requiring multiple independent fan controls using identical units due to potential RF interference. Consider alternative solutions if this issue persists.

SPECIFICATIONS

Attribute	Detail
Model Number	MK-090
Power Rating	120V 60HZ
Motor Load	MAX 1HP, 745W
Product Dimensions (Controller)	Approx. 3.86 x 2.36 x 6.61 inches (based on image 710M0+CmoRL)
Product Dimensions (Remote Display)	Approx. 3.31 x 3.86 inches (based on image 710M0+CmoRL)
Item Weight	1.41 pounds
Display Type	LCD
Operating Temperature	20 Degrees Celsius (as per specifications, likely a typo for 20°C or a range)
Included Components	Controller, Remote Display, Sensor
Country of Origin	China

Accurate Size

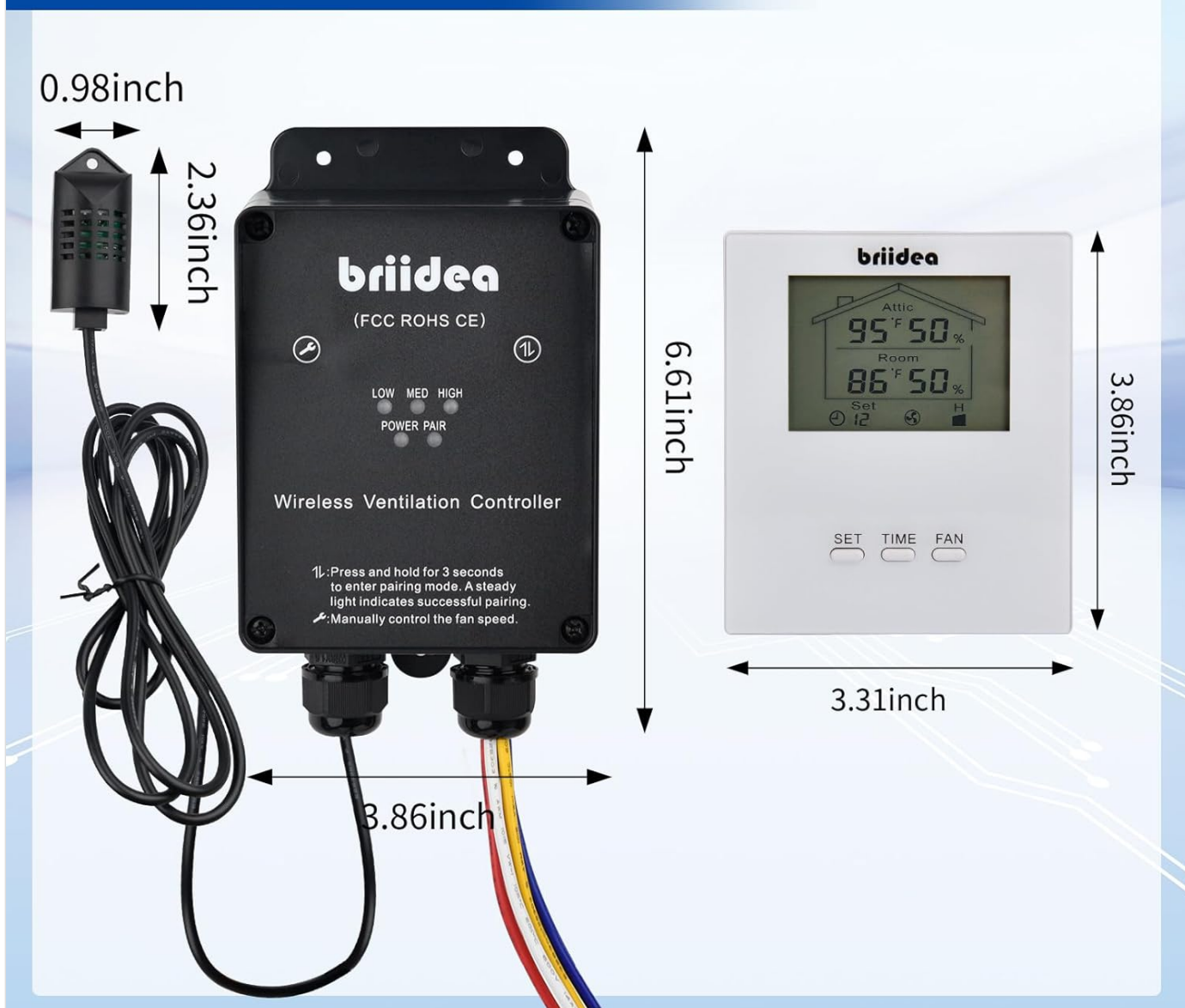


Image: Diagram showing the precise dimensions of both the wireless ventilation controller and the remote display unit.

WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact Briidea customer service. Refer to the product packaging or the official Briidea website for the most current contact details.

Website: [Visit the briidea Store on Amazon](#)