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› YHNNH Wire Controller Instruction Manual for Midea Air Conditioners (Models WDC-86E/KD, LV-CW02)

YHNNH WDC-86E/KD, LV-CW02

YHNNH Wire Controller Instruction Manual

Compatible with Midea Air Conditioning Units (Models WDC-86E/KD, LV-CW02)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the YHNNH Wire Controller. This controller is designed for use with various Midea air conditioning units, including models WDC-86E/KD and LV-CW02, and compatible part numbers such as 17317100A23216, 17317100A25635, 17117100001470, and KJR-90W/BK. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation and wiring must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply to the air conditioning unit is disconnected before beginning any installation or maintenance.
- **Power Supply:** The controller operates on DC18V or DC5V power. Verify the correct voltage is supplied to avoid damage to the unit or air conditioner.
- **Handling:** Handle the controller with care. Avoid dropping or subjecting it to excessive force.
- **Environment:** Do not install the controller in areas with high humidity, direct water exposure, or extreme temperatures.

3. PRODUCT OVERVIEW

3.1 Front Panel

The front panel features a display screen and several control buttons for managing your air conditioning unit.



Figure 1: Front view of the YHNNH Wire Controller. This image shows the square-shaped controller with a central display screen and various control buttons arranged around it. Buttons include power, fan speed, mode selection, temperature adjustment (up/down arrows), function, and return/confirm.

3.2 Rear Panel and Wiring

The rear panel contains the mounting mechanism and wiring terminals for connecting to the air conditioning unit's power supply and control signals.



Figure 2: Rear view of the YHNNH Wire Controller (Model LV-CW02). This image displays the back of the controller with a yellow label providing installation instructions. It shows a support bar mechanism for mounting and the CN2 X1 X2 wiring terminals. A QR code with the number 17317100A29845 is also visible.



Figure 3: Rear view of the YHNNH Wire Controller (Model WDC-86E/KD). Similar to Figure 2, this image shows the back of a different model controller with installation instructions on a yellow label. It also features the support bar mechanism and CN2 X1 X2 wiring terminals. A QR code with the number 17317100A23216 is present.

4. INSTALLATION

Follow these steps for proper installation of the wire controller:

1. **Adjust the Support Bar:** Adjust the support bar on the rear of the controller to match the distance between the screw holes of the standard electrical box and the wall. Use a cutting tool if necessary to adjust the length of the plastic support bar.
2. **Secure the Controller:** After adjusting the length of the plastic support bar, fix it to the rear cover. Ensure the support bar is oriented correctly, following the direction indicated by the arrow on the label.
3. **Wiring:** Connect the power supply (DC18V or DC5V) and control wires to the CN2 X1 X2 terminals as per the air conditioning unit's wiring diagram. Ensure all connections are secure and correctly polarized.
4. **Mounting:** Mount the controller securely to the electrical box or wall.

Important: The power supply for the controller is DC18V. Verify your system's power output before connecting.

5. OPERATION

The wire controller provides intuitive control over your Midea air conditioning unit. Refer to the front panel (Figure 1) for button layout.

- **Power Button (P):** Press to turn the air conditioning unit ON or OFF.
- **Mode Button (M):** Press to cycle through available operating modes (e.g., Cool, Heat, Fan, Dry, Auto).
- **Fan Speed Button (F):** Adjusts the fan speed (e.g., Low, Medium, High, Auto).
- **Temperature Adjustment Buttons (TU):** Use the up and down arrows to increase or decrease the desired temperature setting.
- **Function Button (F):** Accesses additional functions or settings. Refer to your specific Midea air conditioner manual for details on available functions.
- **Return/Confirm Button (R):** Used to confirm selections or return to the previous menu.

The display screen will show the current operating mode, set temperature, fan speed, and other relevant information.

6. MAINTENANCE

To ensure the longevity and proper functioning of your wire controller, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the surface of the controller with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the display or buttons.
- **Inspection:** Periodically check the wiring connections at the rear of the controller to ensure they remain secure. If any wires appear loose or damaged, disconnect power and re-secure or replace them as necessary.
- **Avoid Obstruction:** Ensure the controller's sensors (if any) are not obstructed by furniture or other objects, which could affect temperature readings.

7. TROUBLESHOOTING

If you encounter issues with your wire controller, refer to the following common problems and solutions:

- **Controller Not Powering On:**

- Check the power supply to the air conditioning unit.
- Verify that the DC18V or DC5V power supply is correctly connected to the controller's terminals.
- Ensure all wiring connections are secure.

- **Display Not Working / Blank:**

- Confirm the controller is receiving power.
- If power is present, a professional may need to inspect the unit for internal damage.

- **Buttons Unresponsive:**

- Ensure the controller is not in a locked mode (if applicable, refer to your Midea AC unit manual).
- Clean the surface of the buttons to remove any debris.

- **Air Conditioner Not Responding to Controller:**

- Check the communication wiring between the controller and the air conditioning unit.
- Ensure the air conditioning unit itself is powered on and functioning correctly.

If problems persist after attempting these solutions, contact a qualified service technician.

8. SPECIFICATIONS

Model Numbers	WDC-86E/KD, LV-CW02
Compatible Part Numbers	17317100A23216, 17317100A25635, 17117100001470, KJR-90W/BK(WiFi)
Power Supply	DC18V, DC5V
Item Weight	1.76 ounces (approximately 50 grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches (approximately 1 x 1 x 1 cm)

9. WARRANTY AND SUPPORT

This YHNNH product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the product packaging or contact your retailer. For technical support or service inquiries, please reach out to the vendor or manufacturer directly. Keep your purchase receipt as proof of purchase for warranty claims.