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inventor V4MDI-100 Air Conditioner System User Manual

Contents

inventor®

inventor V4MDI-100 Air Conditioner System

Product Information

The product is a wired remote controller for a unit. It is used to control the operation and settings of the unit. The controller has a number of safety precautions that need to be followed to ensure correct and safe usage. It also has main parameters and functions that are described in the user manual. The remote controller is available in different models with different outlooks.

Safety Precautions

- **Delegate installation:** It is recommended to entrust the installation of the unit to professionals who have the relevant knowledge and expertise. Improper installation performed by the user may cause fire, electric shock, personal injury, or water leakage.
- **Usage Warning:** Do not spray flammable aerosol directly on the wired remote controller as it may cause a fire. Do not operate the controller with wet hands or let water enter it as it may cause electric shock.

Main Parameters and Functions

The main parameters of the wired remote controller are as follows:

Parameter	Value
Input voltage	DC +5V
Ambient temperature	-5°C to 43°C
Ambient humidity	RH 40% to RH 90%

The main functions of the wired remote controller are as follows:

1. Connect with the indoor unit via the four ports of A, B, C, and D.
2. Set operation mode via buttons.
3. Provided with an LCD display function.
4. Provided with timing function.

Wired Remote Controller Outlook

The wired remote controller is available in different models with different outlooks. The models include KJR-29B/BK-EKJR-29B1/BK-EKJR-29C/BK-EKJR-29C1/BK-E and KJR-29A/B-EKJR-29A1/B-E. The outlook of each model is described in the user manual.

Product Usage Instructions

The wired remote controller has a remote signal-receiving function. To use the controller, follow these instructions:

1. Ensure that the unit is properly installed and connected to the wired remote controller.
2. Press the appropriate buttons on the controller to set the desired operation mode.
3. Use the LCD display function to monitor the current settings and status of the unit.
4. Utilize the timing function to schedule specific operation times for the unit.

Note: The wired remote controller does not have an economic operating function.

- Thank you very much for purchasing our air conditioner,
- Before using your air conditioner, please reed this manual carefully and keep for future reference
- This manual gives detailed description of the precautions that should be brought to your attention during operation.
- In order to ensure correct service of the wired remote controller please read this manual carefully before using the unit.
- For convenience of future reference, keep this manual after reading it.

Safety precautions

- The following contents are stated on the product and the operation manual, including usage, precautions against personal harm and property loss, and the methods of using the product correctly and safely. After fully understanding the following contents (identifiers and icons), read the text body and observe the following rules.

Identifier description

Identifier	Meaning
Warning	This means improper handling may lead to personal death or severe injury.
Caution	This means improper handling may lead to personal injury or property loss.

1. **[Note]:** 1. "Harm" means injury, burn, and electric shock which need long-term treatment but need no hospitalization
2. Property loss" means loss of properties and materials.

Icon Description

con	Meaning
	It indicates forbidding. The forbidden subject-matter is indicated in the icon or by images or characters aside.
	It indicates compulsory implementation. The compulsory subject-matter is indicated in the icon or by images or characters aside.

Warning

Delegate installation

Please entrust the distributor or professionals to install the unit. The installers must have the relevant know-how. Improper installation performed by the user without perm ission may cause fire, electric,shock, personal injury or water leakage.

Usage Warning

- **Forbid** Do not spray flammable aerosol to the wired remote controller directly. Otherwise, fire may occur.
- **Forbid** Do not operate with wet hands or let water enter the wired remote controller. Otherwise, electric shock may occur.

Main parameters and functions

Main parameters

Table 2-1

Input voltage	DC +5V
Ambient temperature	-5~43°C
Ambient humidity	RH40%~RH90%

Functions

- Main functions of this wired remote controller as follows:

1. Connect with indoor unit via the four ports of A, B, C, D.
2. Set operation mode via buttons.
3. Provided with LCD display function.
4. Provided with timing function.
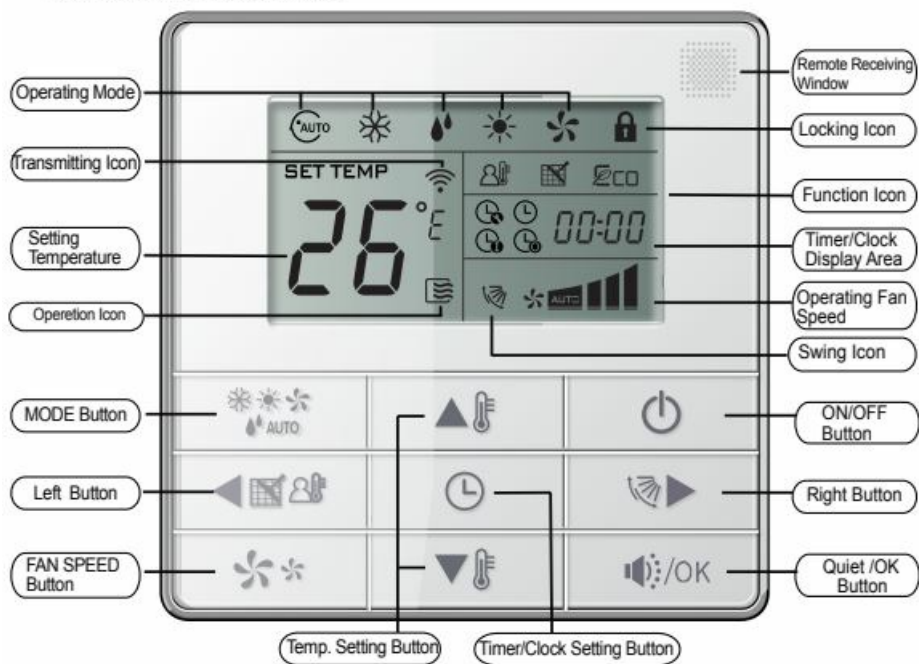
Wired remote controller outlook

KJR-29B/BK-E、 KJR-29B1/BK-E、 KJR-29C/BK-E、 KJR-29C1/BK-E

Operating Mode

Transmitting Icon

Setting Temperature

Operating Icon

MODE Button

Left Button

FAN SPEED Button

Remote Receiving Window

Locking Icon

Function Icon

Timer/Clock Display Area

Operating Fan Speed

Swing Icon

ON/OFF Button

Right Button

Quiet /OK Button

Temp. Setting Button

Timer/Clock Setting Button
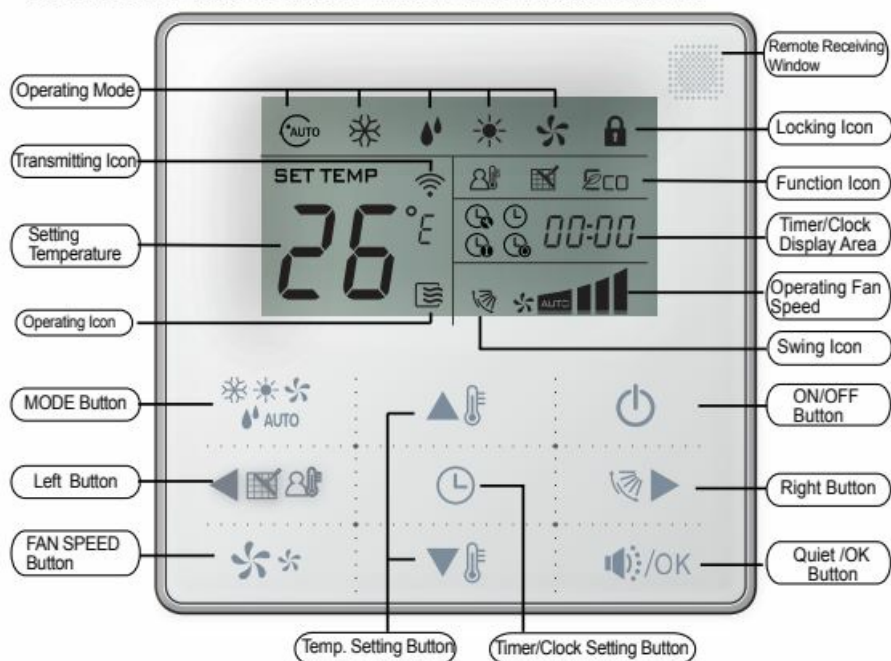
CAUTION

This controller has not economic operating function.

KJR-29A/B-E、 KJR-29A1/B-E

Operating Mode

Transmitting Icon

Setting Temperature

Operetion Icon

MODE Button

Left Button

FAN SPEED Button

Remote Receiving Window

Locking Icon

Function Icon

Timer/Clock Display Area

Operating Fan Speed

Swing Icon

ON/OFF Button

Right Button

Quiet /OK Button

Temp. Setting Button

Timer/Clock Setting Button

This controller has no economic operating function.

Operation instructions

Remote signal-receiving function

- The wired remote controller can be a remote signal-receiving device, you can use the wireless remote controller to control the air-conditioner through the wired remote controller when the system have been powered on.

CAUTION

- The wired remote controller will not receive the swing-controlling instruction. For the indoor unit with the swinging function, you can directly use the wireless remote controller to control swinging through the display panel of 6 the indoor unit, or use the swing button on the wired remote controller to control the indoor unit for swinging.

On and Off the air-conditioner

- Press the On/Off button to control the indoor unit on and off status.
- When the unit is turned off, press the ON/OFF button, and the unit will be turned on and the operating ▦ icon lights up.
- When the unit is turned on, press the ON/OFF button, and the unit will be turned off and the operating ▦ icon lights off.

Set the operating mode

- Press the mode button to set the operating mode, after each button press the operation mode will circle as follow:
- AUTO→COOL→DRY→HEAT→FAN AUTO
- When the controller has been set to cool-only, then there is no HEAT mode.

Fan speed setting

- Under COOL, HEAT, and FAN modes, pressing the fan speed button can adjust the fan speed setting.
- After each fan speed button press will circle as follow:
- AUTO→LOW→MID→HIGH→AUTO.
- Under AUTO and DRY modes the fan speed is not adjustable and the default fan speed is auto.

Temperature setting

- Under AUTO, COOL, DRY, and HEAT modes, press the temperature setting buttons, ▲ and ▼ to set the temperature, the adjusting range is 17℃ 30℃(or 62℉ 88℉).
- The setting temperature cannot be adjusted under FAN mode.

Timer on and Timer offsetting

- Press the timer/clock setting button, then enter into the timer on setting status, and the screen will display ⊕ and 0-0h.
- Press ▲ and ▼ the buttons to adjust the timer. when the timer setting is less than 10 hours, each press ▲ or ▼ will increase or decrease by 0.5 hours. When the timer setting is more than 10 hours, each press ▲ will ▼ increase or decrease by 1 hour, and the maximun timer setting is 24 hours.
- After finishing adjusting the timer on the setting, press ◀/OK the button or wait for 5 seconds to confirm and

exit the timer on the setting.

- Under the timer on setting status, press the timer/clock setting button, then enter into the timer offsetting status, and the screen will display ⏱ and 0.0h.
- The setting method of the timer off is the same as the timer on.
- Under the timer setting state, setting the timer on and timer off to 0.0h can cancel the timer on and timer off.

CAUTION

- If the wired remote controller has set the timer on/ off, press the ON/OFF to turn on/ turn off the unit then the timer will be canceled simultaneously.

Clock setting

- Long press the timer/clock setting button for 3 seconds, then enter the clock setting status.
- The hour position of the clock will flash and can press ▲ and ▼ adjust the hour value.
- After finishing the hour setting, press the left ◀ button ▶ or right button to switch to the minute position setting, then the minute position will flash, press ▲ and ▼ adjust the minute value.
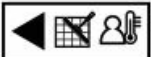- After finishing the clock setting, press the button or wait for 5 seconds to confirm and exit the setting state.

Quiet operation

- Under COOL, HEAT, FAN modes, press the 🔊/OK button to set into the quiet operation, it is used to reduce the running noise through setting the fan speed to low.
- Under AUTO, DRY mode, the fan speed is auto and the 🔊/OK button doesn't work.

Lock the wired remote controller

- Press the temperature adjusting buttons ▲ and ▼ simultaneously, the wired remote controller enters into locking state, and the locking icon 🔒 will be lighted up.
- Under the locking state, the wired remote controller will not respond to the buttons pressing and the control instruction from the wireless remote controller.
- Simultaneously press the temperature adjusting buttons ▲ and again can cancel the locking state.

Air filter cleanning reminding function

- The wired remote controller records the total running time of the indoor unit, when the accumulated running time reaches the pre-setted value, the air filter cleaning reminding icon will be lighted up, to remind that the air filter of the indoor unit need to be cleaned.
- Long press ◀ for 3 seconds, and reset the reminding icon and the wired remote controller will re-accumulate the total running time of the indoor unit.
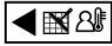
CAUTION

- The default setting value of the reminding function is 2500 hours, and it can change to be 1250 hours, 5000 hours or 10000 hours. The setting methods please refer to the installation manual.

Swing Function

- If the indoor unit supports swing function, press the right button ▨▶ to adjust the air outlet direction of the indoor unit. Long press this button for 3 seconds can turn on or turn off the auto swing function, the swing icon will be lighted up when the auto swing function is turned on.

Smart Feel Function

- When the system is running and the operating mode is AUTO, COOL or HEAT, press the ◀▨🄰 button to activate or deactivate the Smart Feel function.
- When the Smart Feel function is activated, the 🄰 icon will light up, the wired remote controller will display the room temperature read from the sensor located inside the controller, and will transmit the temperature value to the indoor unit every 3 minutes.
- The Smart Feel function secures that you will enjoy ideal temperatures inside the room while enjoying absolute comfort.

TECHNIQUE CERTIFICATION AND REQUIREMENT

- EMC should conform to the CCC certification.

Activate your Warranty

Visit our web site and activate your warranty via the below link or by scanning the QR code
https://www.inventorairconditioner.com/warranty-inventor

Fill all the fields as shown below

To activate the warranty card, please fill in the following fields

Owner details

Full Name*

Address*

Postal Code*

Phone Number*

E-mail*

Subscribe to Inventor's Newsletter

*Required field

With the current warranty card you accept **the terms and conditions.**

SEND

Unit details

Unit Type*

Serial Number of the indoor unit*

Serial Number of the outdoor unit*

Date of Purchase*

Invoice Number*

Additional Details

once the warranty submission has been completed a confirmation message will be sent to your email

Importer/Manufacturer:

INVENTOR A.G. S.A.

24th km National Road Athens – Lamia & 2 Thoukididou Str., Ag.Stefanos, 14565 Tel.: +30 211 300 3300, Fax: +30 211 300 3333 – **www.inventor.ac**

Documents / Resources

inventor V4MDI-100 Air Conditioner System [pdf] User Manual
V4MDI-100, V4MDI-100 Air Conditioner System, Air Conditioner System

References

- **Κλιματιστικά Inverter WiFi, Ψυγεία, Αφυγραντήρες, Air Conditioners - Inventor**

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