

Fujitsu ACY100UIA-LM

Fujitsu ACY100UIA-LM Split Duct Inverter Air Conditioner User Manual

Model: ACY100UIA-LM | Brand: Fujitsu

1. INTRODUCTION

Thank you for choosing the Fujitsu ACY100UIA-LM Split Duct Inverter Air Conditioner. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new air conditioning system. Please read this manual thoroughly before using the unit and keep it for future reference.

The Fujitsu ACY100UIA-LM is designed to provide optimal comfort through both cooling and heating functions, utilizing advanced inverter technology for energy efficiency.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent injury, damage to property, or electric shock.

- **Professional Installation:** Installation, relocation, and maintenance of this unit must be performed by a qualified service technician. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications (230 Volts). Do not operate the unit with wet hands. Never pull the power cord to disconnect.
- **Refrigerant Handling:** The unit uses R410A refrigerant. Only qualified personnel should handle refrigerant. Do not discharge refrigerant into the atmosphere.
- **Clearances:** Maintain adequate clearance around the indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.

3. SETUP AND INSTALLATION

The Fujitsu ACY100UIA-LM is a split system air conditioner, requiring both an indoor duct unit and an outdoor unit. Due to the complexity of refrigerant lines, electrical connections, and ductwork, professional installation is mandatory to ensure safe and efficient operation.

3.1 Pre-Installation Checks

- Verify that the installation site can support the weight of both indoor and outdoor units.
- Ensure proper drainage for condensate water.
- Confirm that the electrical supply meets the unit's requirements (230V).

3.2 Installation Steps (Overview for Professional Installers)

1. Mount the indoor duct unit in the ceiling or wall space, connecting it to the ductwork.
2. Install the outdoor unit on a stable, level surface with adequate ventilation.
3. Connect the refrigerant lines between the indoor and outdoor units, ensuring proper vacuuming and charging with R410A refrigerant.
4. Complete all electrical wiring connections according to local codes and the wiring diagram provided with the unit.
5. Connect the condensate drain line to ensure proper water removal.
6. Perform a test run to verify correct operation of all modes and functions.

4. OPERATING INSTRUCTIONS

The Fujitsu ACY100UIA-LM can be controlled via a wired remote controller (if installed) or through a dedicated application on your smart device.

4.1 Power On/Off

Press the ON/OFF button on your remote controller or within the app to start or stop the unit.

4.2 Mode Selection

Select the desired operating mode:

- **COOL:** For cooling the room.
- **HEAT:** For heating the room.
- **FAN:** Circulates air without cooling or heating.
- **DRY:** Reduces humidity.
- **AUTO:** Automatically selects cooling or heating based on room temperature.

4.3 Temperature Adjustment

Use the temperature UP/DOWN buttons on the remote or slider in the app to set your desired room temperature. The recommended temperature range for optimal comfort and energy efficiency is typically between 22-26°C (72-78°F) for cooling and 18-22°C (64-72°F) for heating.

4.4 Fan Speed Control

Adjust the fan speed (Low, Medium, High, Auto) to control the airflow and noise level. Auto mode adjusts the fan speed automatically based on the room temperature and selected mode.

4.5 App Control

The unit supports app control. Download the official Fujitsu air conditioner app from your device's app store. Follow the in-app instructions to connect your ACY100UIA-LM unit to your Wi-Fi network and control it remotely.

5. MAINTENANCE

Regular maintenance ensures optimal performance, energy efficiency, and longevity of your air conditioning system. Always turn off the power supply to the unit before performing any maintenance.

5.1 Air Filter Cleaning

The air filters should be cleaned every two weeks or more frequently depending on usage and air quality. Clogged filters reduce efficiency and airflow.

1. Locate the access panel for the air filters on the indoor unit.
2. Remove the filters carefully.
3. Clean the filters using a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Allow the filters to dry completely in a shaded area before reinstalling.

5.2 Outdoor Unit Cleaning

Periodically check the outdoor unit for obstructions such as leaves, dirt, or debris. Keep the area around the outdoor unit clear to ensure proper airflow. Gently clean the coil fins with a soft brush or water hose, being careful not to bend the fins.

5.3 Professional Servicing

It is recommended to have your air conditioning system inspected and serviced by a qualified technician at least once a year. This includes checking refrigerant levels, electrical connections, and overall system performance.

6. TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not start	No power supply; Remote control batteries low; Circuit breaker tripped.	Check power connection; Replace batteries; Reset circuit breaker.
Insufficient cooling/heating	Dirty air filters; Doors/windows open; Temperature setting incorrect; Outdoor unit obstructed.	Clean air filters; Close doors/windows; Adjust temperature; Clear obstructions around outdoor unit.
Unusual noise	Loose parts; Fan obstruction; Unit not level.	Contact a qualified technician for inspection.
Water leakage	Clogged drain pipe; Improper installation.	Clear drain pipe; Contact a qualified technician for inspection.

If the problem persists after attempting these solutions, please contact a qualified service technician.

7. SPECIFICATIONS

The following table outlines the key technical specifications for the Fujitsu ACY100UIA-LM air conditioner.

Feature	Specification
Model Name	ACY100UIA-LM
Cooling Capacity	12000 BTU (British Thermal Unit)
Heating Function	Yes
Refrigerant Type	R410A
Voltage	230 Volts
Power Source	Electric Cable
Power Consumption	3523.81 Watts
Noise Level	39 Decibels
Installation Type	Split System
Compressor Type	Rotary Scroll
Outdoor Unit Required	Yes
Control Method	Application (App Control)
Form Factor	Mini-split

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Fujitsu website. Warranty terms and conditions may vary by region.

If you require technical assistance, service, or have questions not covered in this manual, please contact your authorized Fujitsu dealer or service center. Ensure you have your model number (ACY100UIA-LM) and purchase date available when contacting support.