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MAXWELL 4MXS36RMVJUA+FTXS18+FTXS24

DAIKIN Dual Zone Air Conditioner Heat Pump User Manual

Model: 4MXS36RMVJUA+FTXS18+FTXS24
Brand: MAXWELL (Daikin HVAC System)

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your DAIKIN Dual (2 Zone) 4MXS Air Conditioner Heat Pump system. This system is designed to provide individual comfort and control across multiple zones within your home, offering both cooling and heating capabilities with high energy efficiency.

The Daikin Multi-Zone system is a flexible solution for individual zone comfort, connecting up to 4 units to a single outdoor unit. This design reduces installation space and costs while maximizing comfort and energy savings. Daikin Multi-Zone systems allow for mixed and matched indoor unit combinations.



Figure 1: Complete Daikin Dual Zone Air Conditioner Heat Pump System, including two indoor units, one outdoor condenser, two installation kits, and a wall mounting bracket.

2. SAFETY INFORMATION

Please read all safety precautions carefully before installing or operating the unit. Failure to follow these instructions may result in property damage, personal injury, or death.

- Installation must be performed by a qualified and licensed HVAC technician in accordance with all local and national building codes.
- Ensure the power supply is disconnected before performing any maintenance or service.
- Do not insert fingers or objects into the air inlet/outlet.
- Keep the area around the outdoor unit clear of obstructions to ensure proper airflow.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Use only the specified refrigerant (R-410A).

3. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- Two (2) Daikin Indoor Units (FTXS18 and FTXS24 models)
- One (1) Daikin Outdoor Condenser Unit (4MXS36RMVJUA model)
- Two (2) Maxwell 15 ft. Installation Kits (line sets, communication wires, drain hoses)
- One (1) Wall Mounting Bracket for outdoor unit
- Two (2) Remote Controllers for indoor units
- User Manual and Installation Guide



Figure 2: Two Daikin indoor units, designed for wall mounting.



Figure 3: Daikin outdoor condenser unit, which connects to both indoor units.



Figure 4: Maxwell 15 ft. installation kit, including insulated copper line sets, communication wires, and drain hoses.



Figure 5: Wall mounting bracket for securing the outdoor condenser unit.

4. SETUP AND INSTALLATION

The Daikin Dual Zone system is designed for quick and easy installation, typically taking 1 to 2 hours for experienced installers. Due to the complexity involving refrigerant lines and electrical connections, professional installation by a certified HVAC technician is strongly recommended to ensure proper operation and warranty validity.

4.1. Site Selection

- **Indoor Units:** Choose locations that allow for optimal air distribution throughout the desired zones. Ensure sufficient space around the unit for maintenance and airflow.
- **Outdoor Unit:** Select a stable, level surface away from direct sunlight and obstructions. Ensure adequate clearance for airflow and service access. The provided wall bracket can be used for elevated mounting.

4.2. Mounting the Indoor Units

1. Secure the mounting plate to the wall, ensuring it is level and at the appropriate height.
2. Drill a hole through the wall for the refrigerant lines, communication cable, and drain hose.
3. Connect the refrigerant lines, electrical wiring, and drain hose to the indoor unit.
4. Mount the indoor unit onto the mounting plate.

4.3. Mounting the Outdoor Unit

1. Assemble and securely fasten the wall mounting bracket to a sturdy wall structure, ensuring it can support the weight of the outdoor unit.
2. Carefully place the outdoor condenser unit onto the bracket or a prepared concrete pad.
3. Connect the refrigerant lines from each indoor unit to the corresponding ports on the outdoor unit.
4. Connect the electrical power supply and communication wiring to the outdoor unit.

4.4. Vacuuming and Leak Check

After all connections are made, the system must be thoroughly vacuumed to remove air and moisture from the refrigerant lines. A leak check must also be performed to ensure system integrity before releasing refrigerant.

4.5. Electrical Connections

Ensure all electrical connections are made according to the wiring diagram provided in the detailed installation manual and comply with local electrical codes. The system operates on 208-230V.

5. OPERATING INSTRUCTIONS

Your Daikin system can be operated using the included remote controllers or the manual ON/OFF button on the indoor unit.





Figure 6: Daikin remote controllers for convenient operation of indoor units.

5.1. Remote Controller Functions

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Heat, Dry, Fan.
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Adjusts fan speed (Auto, Low, Medium, High).
- **POWERFUL Button:** Activates rapid cooling or heating for a short period.
- **ECONO Mode:** Reduces power consumption for energy savings.
- **QUIET Mode:** Reduces fan noise for quieter operation.
- **SWING Button:** Controls the vertical airflow direction (louvers).
- **TIMER Function:** Allows setting specific ON/OFF times for the unit.
- **3D Air Flow:** Optimizes airflow for even temperature distribution.

5.2. Special Features

- **Anti Corrosion:** Enhanced protection for outdoor unit components against environmental corrosion.
- **Auto Restart:** The unit automatically restarts with previous settings after a power outage.
- **Self Diagnosis:** The system can detect and display error codes to assist in troubleshooting.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Daikin system. Always disconnect power before performing maintenance.

6.1. Air Filter Cleaning

- Clean the air filters every two weeks or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and remove the air filters.
- Wash filters with lukewarm water and mild detergent, or vacuum them.
- Allow filters to dry completely before reinserting them.

6.2. Outdoor Unit Cleaning

- Periodically clear any debris, leaves, or dirt from the outdoor unit's coils and fins.
- Ensure the area around the outdoor unit remains clear for proper airflow.
- Do not use high-pressure water directly on electrical components.

6.3. Professional Servicing

It is recommended to have your system inspected and serviced by a qualified HVAC technician annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

7. TROUBLESHOOTING

Before contacting service, please refer to the following common issues and their solutions:

Problem	Possible Cause	Solution
Unit does not operate	No power, remote control batteries dead, timer set.	Check power supply, replace batteries, cancel timer setting.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect temperature setting, low refrigerant.	Clean air filters, clear obstructions, adjust temperature, contact technician for refrigerant check.
Unusual noise	Loose parts, foreign objects, normal operating sounds (e.g., refrigerant flow).	Check for loose parts, remove objects. If persistent or loud, contact technician.
Water leakage from indoor unit	Clogged drain hose, improper installation.	Check and clear drain hose. If issue persists, contact technician.
Error code displayed	System malfunction.	Refer to the detailed error code list in the full installation manual or contact a qualified technician.

8. SPECIFICATIONS

Feature	Detail
Brand Name	MAXWELL (Daikin HVAC System)
Model Info	4MXS36RMVJUA+FTXS18+FTXS24
System Type	Dual (2 Zone) Mini-Split Air Conditioner Heat Pump
Cooling Capacity	38,000 BTU (Total System)
Heating Capacity	9,200 - 43,000 BTU (Range)
SEER (Seasonal Energy Efficiency Ratio)	Up to 17.9
HSPF (Heating Seasonal Performance Factor)	Up to 12.5
EER (Energy Efficiency Ratio)	Up to 12.7

Feature	Detail
Voltage	208-230 Volts
Refrigerant Type	R-410A
Special Features	3D Air Flow, Anti Corrosion, Auto Restart, Econo Mode, Self Diagnosis
Included Installation Kit Length	15 ft.

9. WARRANTY AND SUPPORT

Your Daikin Dual Zone Air Conditioner Heat Pump system comes with a comprehensive warranty to protect your investment.

9.1. Limited Warranty

The system is backed by an **Up to 12 Years Parts Limited Warranty**. To ensure warranty validity, online registration must be completed within 60 days of installation. Please refer to the official Daikin warranty documentation for full terms, conditions, and exclusions.



Figure 7: Badge indicating the 12-year parts limited warranty.

9.2. Customer Support

For technical assistance, warranty claims, or to locate a certified Daikin service provider, please contact Daikin customer support or your authorized dealer. Ensure you have your model number and installation date readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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