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ESSJBPMJ PAR-21MAA

ESSJBPMJ PAR-21MAA Air Conditioning Control Panel User Manual

Model: PAR-21MAA

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ESSJBPMJ PAR-21MAA Air Conditioning Control Panel. This wire controller is designed for multi-wire on/off air conditioning systems and is compatible with Mitsubishi units, offering precise control and enhanced energy efficiency.

2. Product Overview

2.1. Key Features

- **High Compatibility:** Suitable for multi-wire on/off air conditioners, ensuring easy connection and control.
- **Intuitive Operation:** User-friendly design for straightforward control of the air conditioning system.
- **Rich Functions:** Includes temperature adjustment, wind speed control, and mode selection.
- **Strong Stability:** Constructed with high-quality materials for durability and stable performance.
- **Precise Control:** Enables accurate air conditioning system management, improving energy efficiency and reducing consumption.

2.2. Control Panel Layout

The PAR-21MAA control panel features a clear LCD display and an array of buttons for various functions. Below are images illustrating the panel with its cover closed and open, revealing all controls.

Figure 1: PAR-21MAA Control Panel with cover closed. This view shows the main display, temperature adjustment buttons, and the ON/OFF button.

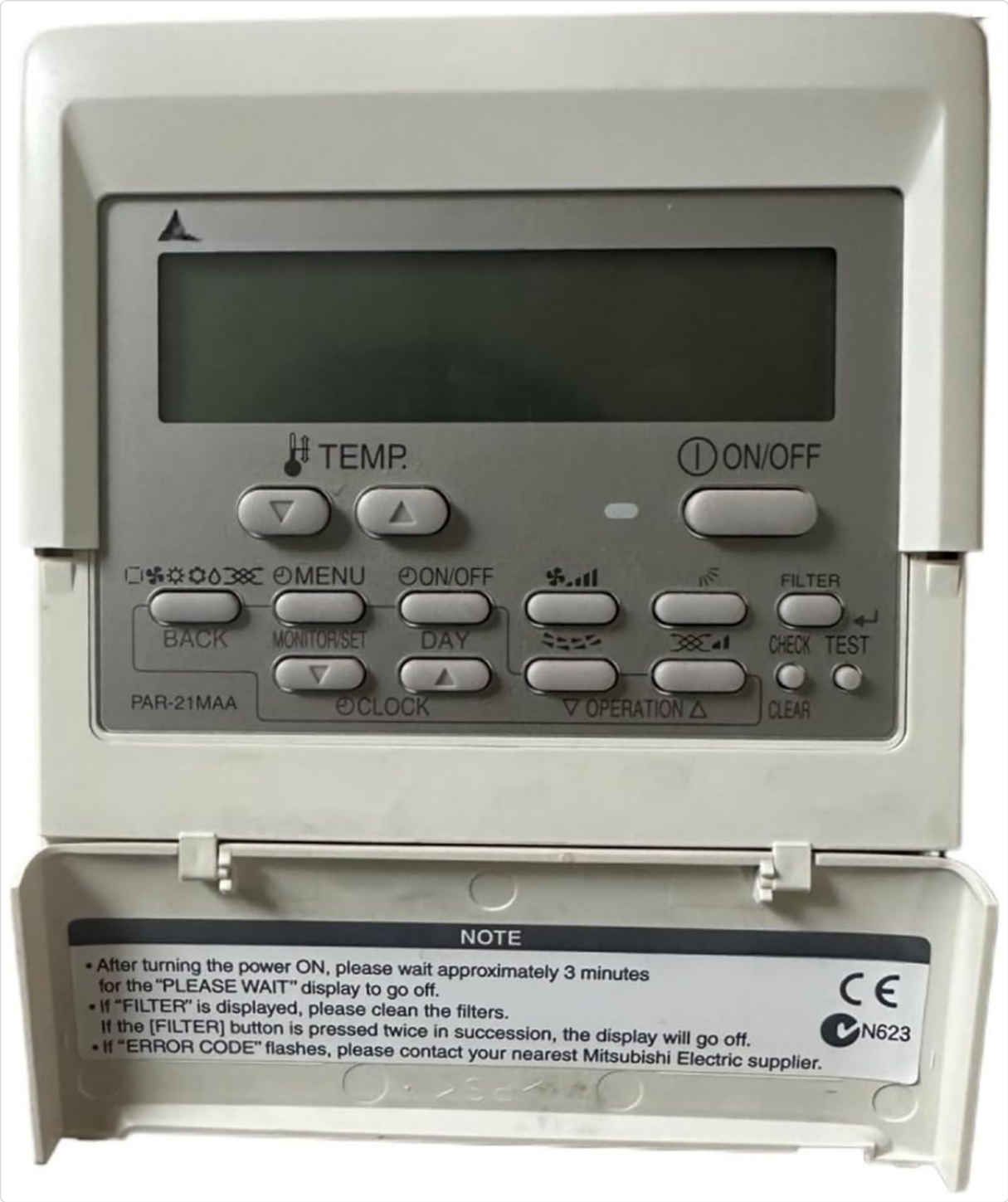

Figure 2: PAR-21MAA Control Panel with cover open. This reveals additional buttons for MENU, BACK, MONITOR/SET, DAY, CLOCK, OPERATION, FILTER, CHECK, TEST, and CLEAR functions.

3. Setup and Installation

Installation of the PAR-21MAA control panel should be performed by a qualified technician to ensure proper functionality and safety. It is crucial to verify the correct model before installation.

- **Model Verification:** Due to variations in controller types, it is highly recommended to confirm compatibility by comparing your existing unit or consulting with a supplier before installation. The part number for this unit is PAR-21MAA.
- **Power Connection:** Ensure the main power to the air conditioning system is turned OFF before beginning any wiring.
- **Wiring:** Connect the control panel to the air conditioning unit according to the wiring diagram provided with your specific air conditioning system.

- **Mounting:** Securely mount the control panel in a suitable location, ensuring it is easily accessible for operation.
- **Initial Power-On:** After installation, turn on the main power. The display may show "PLEASE WAIT" for approximately 3 minutes as the system initializes.

4. Operating Instructions

The PAR-21MAA control panel allows for comprehensive control of your air conditioning system. Refer to Figure 2 for button locations.

- **ON/OFF Button:** Press to turn the air conditioning system ON or OFF.
- **Temperature Adjustment (TEMP ▲/▼):** Use the UP (▲) and DOWN (▼) buttons next to "TEMP" to increase or decrease the desired temperature setting.
- **MENU Button:** Accesses the main menu for advanced settings and options.
- **BACK Button:** Returns to the previous screen or menu.
- **MONITOR/SET Button:** Used to monitor system status or confirm settings.
- **DAY Button:** Adjusts or sets the day of the week for scheduling functions.
- **CLOCK Button:** Used to set the current time.
- **OPERATION ▲/▼ Buttons:** Adjusts operational parameters such as fan speed or mode.
- **FILTER Button:** Indicates filter status and can be used for filter reset.
- **CHECK Button:** Initiates a system check.
- **TEST Button:** Used for diagnostic testing.
- **CLEAR Button:** Clears current settings or error messages.

For detailed instructions on specific functions like scheduling or advanced modes, please refer to the comprehensive manual provided with your Mitsubishi air conditioning unit.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your air conditioning system and control panel.

- **Filter Cleaning:** If the display shows "FILTER", it indicates that the air filters require cleaning. Clean or replace the filters according to your air conditioner's instructions.
- **Filter Reset:** After cleaning or replacing the filters, press the [FILTER] button twice in succession. The "FILTER" display will then turn off.
- **General Cleaning:** Wipe the control panel surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

6. Troubleshooting

This section addresses common issues you might encounter with the PAR-21MAA control panel.

- **"PLEASE WAIT" Display:** After turning on the power, the display may show "PLEASE WAIT" for approximately 3 minutes. This is normal during system initialization.
- **"FILTER" Display:** This indicates that the air filters need cleaning. Refer to the Maintenance section (5) for instructions on cleaning and resetting the filter indicator.

- **"ERROR CODE" Flashing:** If an "ERROR CODE" flashes on the display, it indicates a system malfunction. In this event, please contact your nearest Mitsubishi Electric supplier or a qualified service technician for assistance. Do not attempt to repair the unit yourself.
- **No Display/No Power:** Check the main power supply to the air conditioning unit. Ensure all connections are secure. If the issue persists, contact a qualified technician.

7. Specifications

Feature	Detail
Model Number	PAR-21MAA
Compatibility	Mitsubishi Multi-Line Switch Air Conditioners
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces
Manufacturer	xi1e1l6i0n1jian (Brand: ESSJBPMJ)

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly. Ensure you have your purchase details and model number (PAR-21MAA) available when seeking support.