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> JCKJWL 24V Universal PCB Control Board for Sliding and Swing Gate Openers - Model 1245644516312323153

## JCKJWL 1245644516312323153

# JCKJWL 24V Universal PCB Control Board for Sliding and Swing Gate Openers

Model: 1245644516312323153

Brand: JCKJWL

## 1. PRODUCT OVERVIEW

This JCKJWL 24V universal PCB control board is designed for automatic double-arm swing gate openers and sliding gate openers. It serves as the intelligent control center for your gate system, offering versatile functionality and reliable performance.

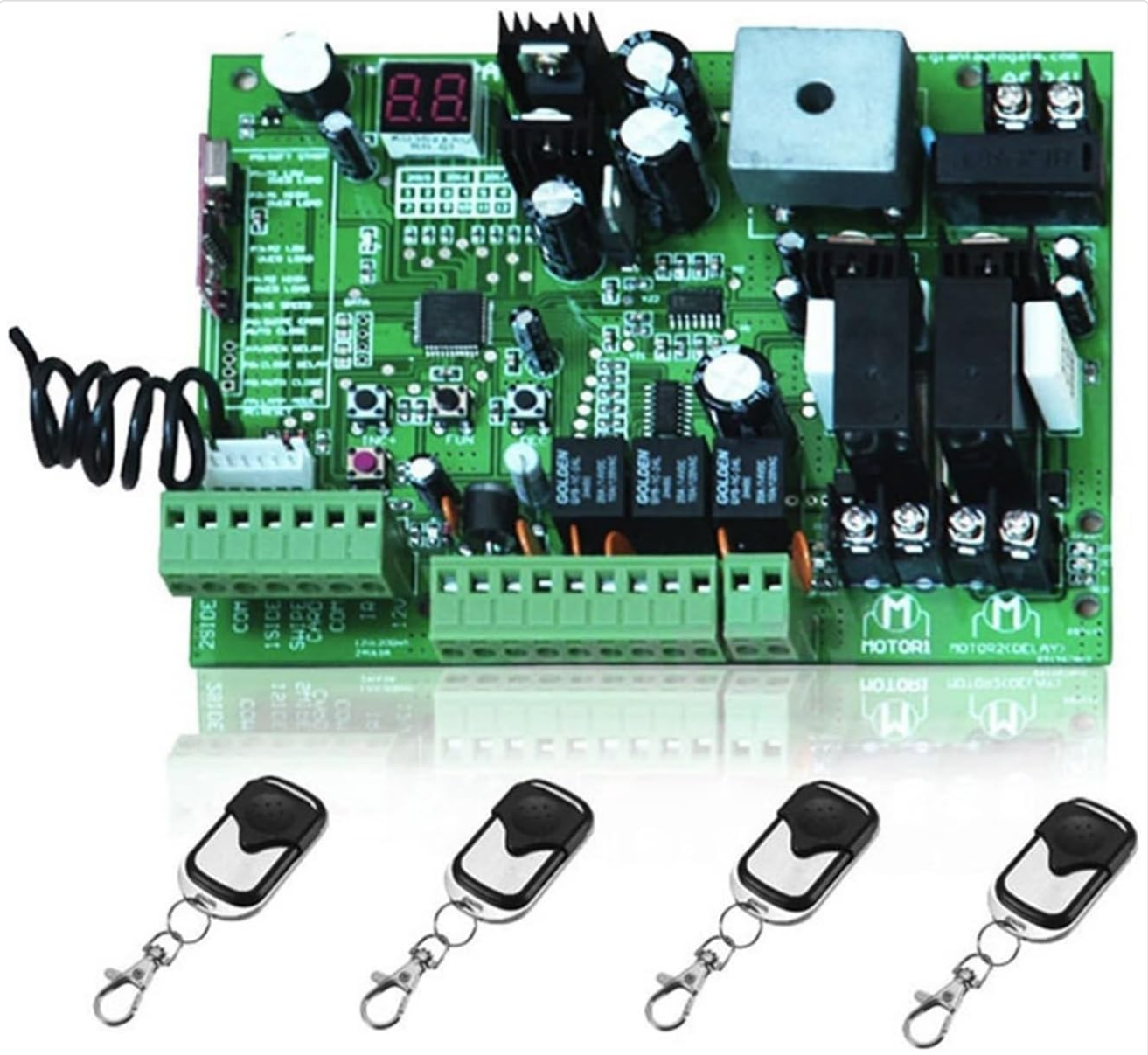


Image 1.1: The JCKJWL 24V Universal PCB Control Board shown with four remote controls, illustrating the complete product package.

### Key Features:

- Digital LED menu for straightforward configuration.
- Supports opening and closing of single or double gate leaves.
- Independent force adjustment for Motor 1 and Motor 2, with high and low-speed settings for precise motor operation.
- Adjustable automatic closing time from 1 to 99 seconds.
- Total working time of 60 seconds to protect motors.
- Dedicated terminals for loop detectors, photocells, push buttons, keypads, and other access control equipment.
- Compatible with electric locks and electromagnetic locks, including an additional relay output for pedestrian door locks or other external devices.
- Custom rolling code technology enhances security.
- Provisions for connecting a backup battery or solar power system.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate system. It is recommended that installation be performed by a qualified technician.

### 2.1 Wiring Connections

Identify the various terminals on the PCB for power, motors, and accessories. Ensure all connections are secure and correctly polarized.

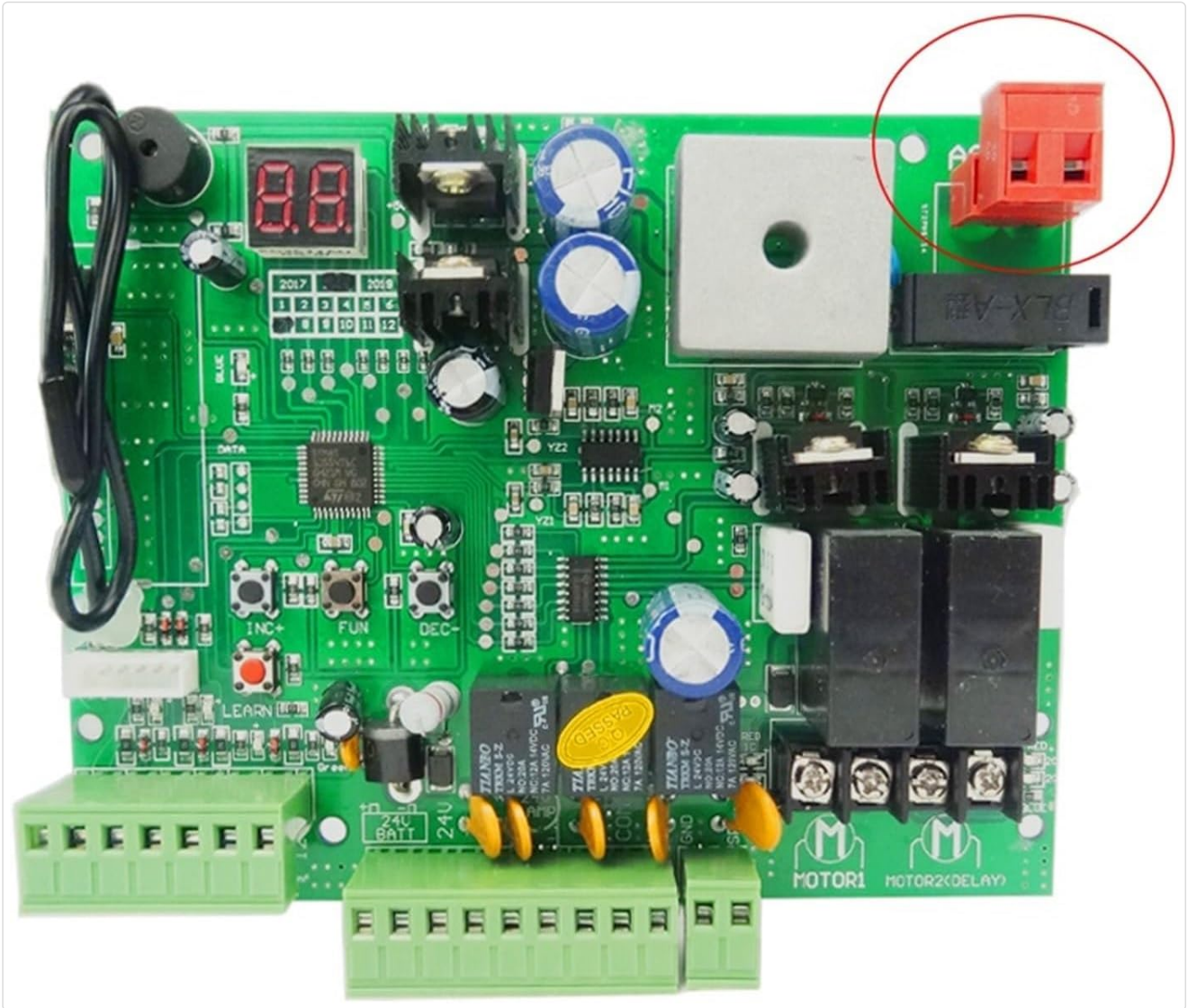
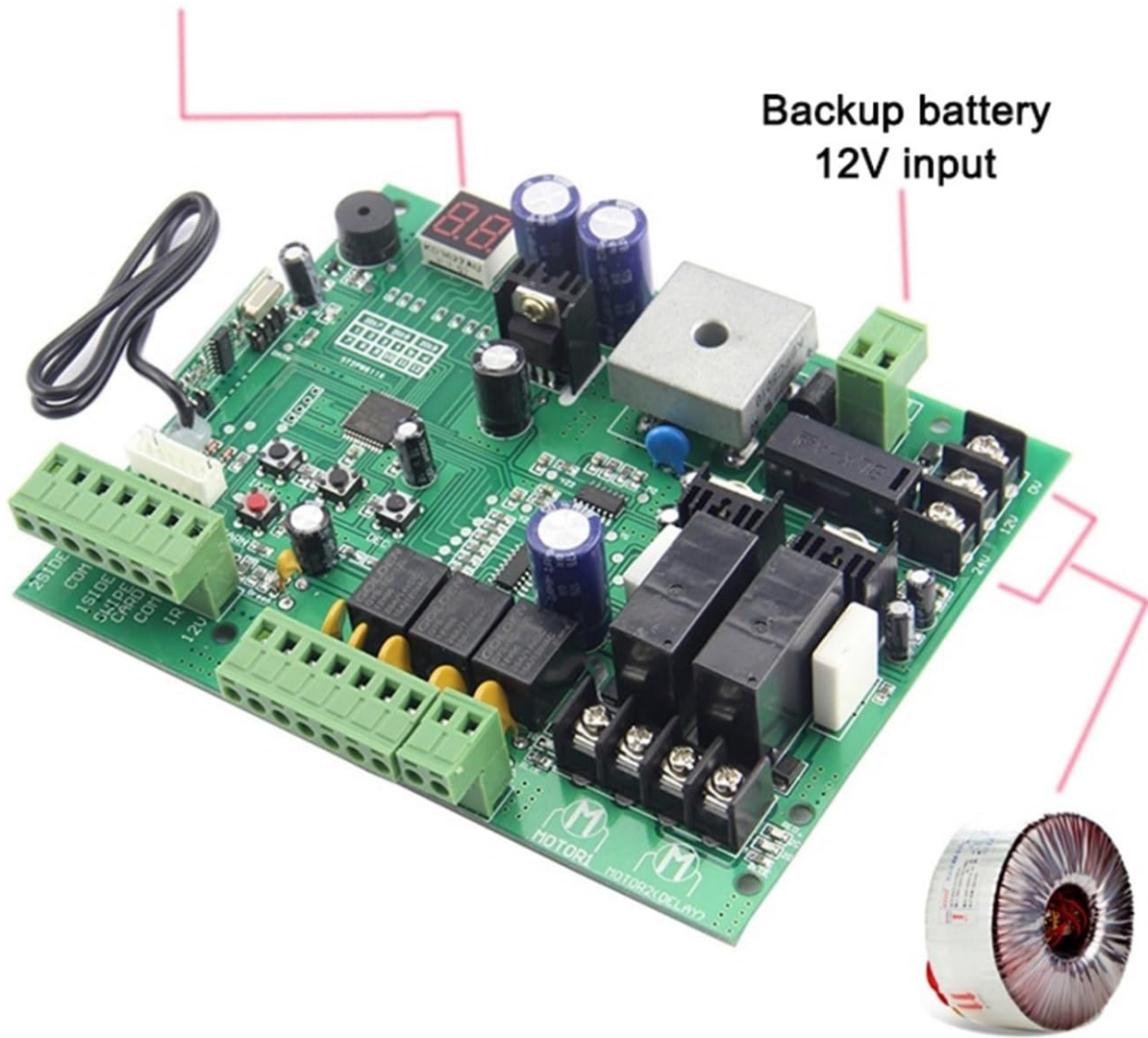


Image 2.1: Detailed view of the control board's terminal blocks and connectors for wiring various components.

- **Power Input:** Connect 12V/24V DC or AC power to the designated input terminals. The board supports a 12V backup battery connection.
- **Motor Connections:** Connect your 24V DC gate motors to the MOTOR1 and MOTOR2 terminals. Observe correct polarity for desired opening/closing direction.
- **Accessory Connections:** Utilize terminals for loop detectors, photocells, push buttons, keypads, and other access control devices as required by your system.
- **Lock Connections:** Connect electric or electromagnetic locks to the dedicated lock output terminals. An additional relay output is available for pedestrian door locks or other external devices.

# FUN LED



Backup battery  
12V input

Three-wire output transformer

Image 2.2: The control board highlighting the FUN LED indicator and the 12V backup battery input terminals, shown with an external transformer.



Image 2.3: The control board typically installed within a protective enclosure, demonstrating a common setup with a transformer.

## 2.2 Initial Configuration

After all wiring is complete and power is supplied, use the digital LED menu to perform initial setup. This includes:

- **Remote Control Pairing:** Follow the instructions in the remote control manual to pair your remote transmitters with the control board.

- **Gate Type Selection:** Configure the board for single or double leaf operation.
- **Limit Switch Adjustment:** Set the open and close limits for your gate motors.
- **Force and Speed Settings:** Adjust the motor force and speed for optimal performance and safety.
- **Automatic Closing Time:** Set the desired delay for automatic gate closure.



Image 2.4: The control board shown with a single remote control, illustrating the device used for pairing and operation.

### 3. OPERATING INSTRUCTIONS

Once installed and configured, the control board facilitates the automatic operation of your gate system.

#### 3.1 Remote Control Operation

Press the designated button on your paired remote control to initiate gate movement. A single press typically opens or closes the gate. Subsequent presses may stop or reverse the gate, depending on the programmed mode.

### 3.2 Automatic Closing

If enabled, the gate will automatically close after the set delay time (1-99 seconds) once it has fully opened. Ensure the area is clear before the gate closes.

### 3.3 Safety Features

The control board incorporates safety features such as motor protection (60 seconds total working time) and compatibility with external safety devices like photocells and loop detectors. Always ensure these safety devices are correctly installed and functioning.

## 4. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your control board and gate system.

- **Visual Inspection:** Periodically inspect the control board for any signs of damage, loose connections, or corrosion.
- **Cleaning:** Keep the board free from dust, dirt, and moisture. Use a soft, dry brush or compressed air for cleaning. Do not use liquids.
- **Connection Check:** Ensure all wiring connections remain tight and secure.
- **Safety Device Check:** Regularly test all connected safety devices (photocells, loop detectors) to confirm they are operating correctly.
- **Power Supply:** Verify the power supply is stable and within the specified voltage range. If a backup battery is used, check its charge status periodically.

*Always disconnect power to the control board before performing any maintenance or inspection.*

## 5. TROUBLESHOOTING

If you encounter issues with your gate system, refer to the following common troubleshooting steps:

- **No Power:** Check the main power supply, circuit breakers, and all power connections to the control board. Verify the backup battery (if installed) is charged.
- **Gate Not Responding to Remote:** Ensure the remote control has fresh batteries and is properly paired with the control board. Check for any obstructions blocking the signal.
- **Gate Not Moving:** Check motor connections. Ensure no safety devices (e.g., photocells) are triggered, preventing movement. Observe the LED menu for any error codes.
- **Gate Stops Mid-Cycle:** This could indicate an obstruction, a triggered safety device, or an issue with motor limits. Inspect the gate path and safety sensors.
- **Incorrect Gate Movement:** Re-check motor wiring polarity and limit switch settings.

If the problem persists after attempting these steps, contact a qualified technician or the seller for further assistance.

## 6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	JCKJWL
Model Number	1245644516312323153
Control Panel Voltage Input	12V/24V DC/AC (Supports 12V backup battery)
Motor Voltage Output	24V DC
Product Dimensions	2.36 x 6.3 x 10.24 cm (0.93 x 2.48 x 4.03 inches)
Product Weight	150 g (0.33 lbs)
Country/Region of Origin	China

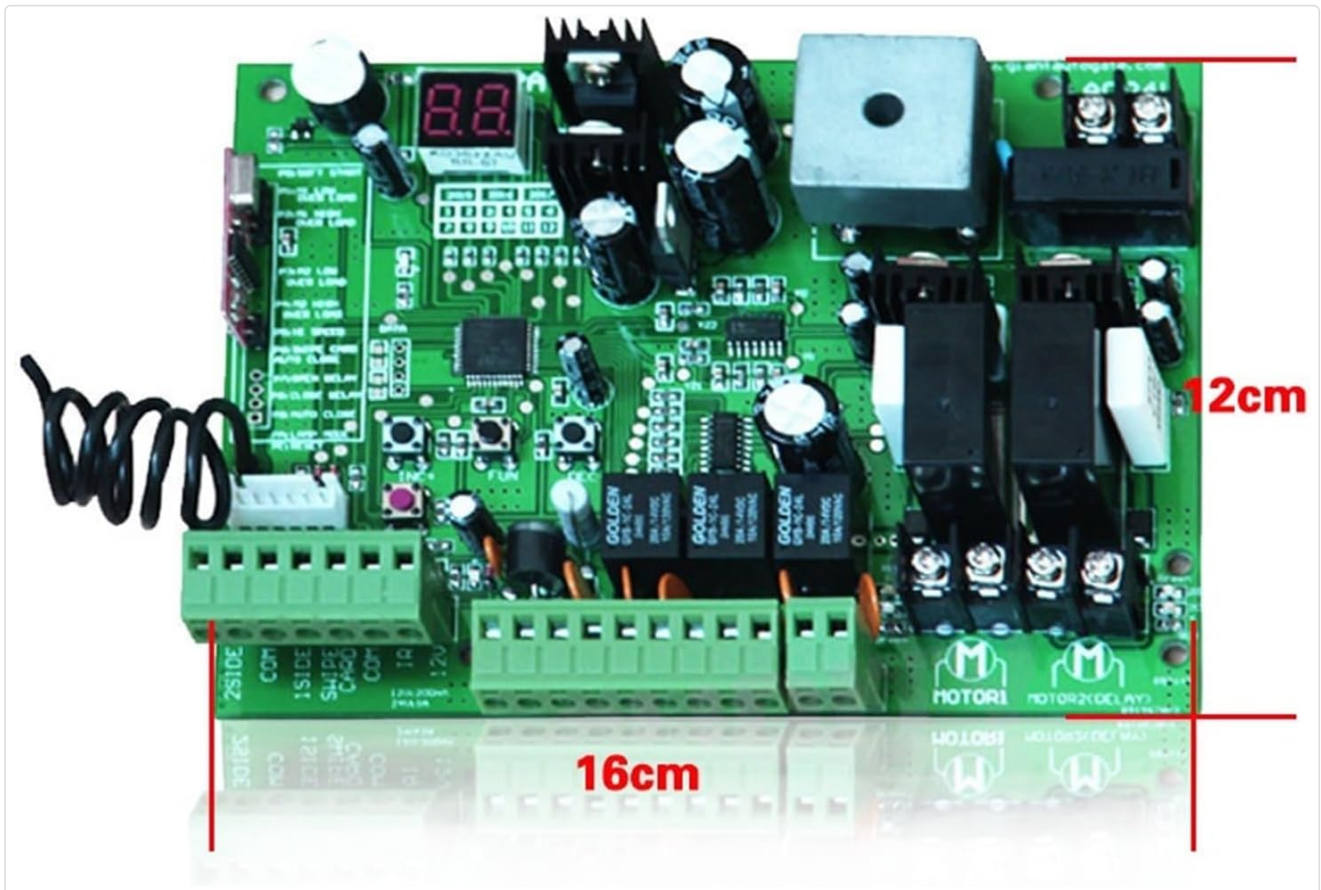


Image 6.1: The control board with its approximate dimensions indicated for installation planning.

## 7. WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available documentation. For information regarding warranty coverage, terms, and conditions, please contact the original seller or manufacturer directly.

## 8. CUSTOMER SUPPORT

Should you require technical assistance, have questions about installation, operation, or troubleshooting that are not covered in this manual, please contact the seller or manufacturer for support.

**Seller:** hangzhoujianchengdianshangkejiyouxiangongsi

For further assistance, refer to the contact information provided at the point of purchase.