

Gyxel PKM-C025-440

Gyxel C025 Solar Dual Swing Gate Opener Instruction Manual

MODEL: PKM-C025-440

Brand: Gyxel

1. Product Overview

The Gyxel C025 Solar Dual Swing Gate Opener is designed for automating medium-duty dual swing gates. This system includes a solar panel and batteries for continuous, stable operation, even in remote areas or during power outages. It supports gates up to 790 lbs in weight or 18 feet in length per leaf, offering robust performance for various applications.

Seamless Remote Control Solar Gate Opening

Gate remote ensures "no waiting" roll-in access from a distance of up to 100 foot.

Enjoy the convenience and flexibility of seamless automatic gate opening.



Image: Seamless remote control solar gate opening for convenient access.

Key features include a 60W motor for efficient operation, a smart chip control box for independent arm control, safety stop-and-reverse functionality, an auto-close feature, and soft start/stop technology to protect the motor. The system is built for all-weather operation with an IP55 waterproof and dustproof rating.



Image: All-weather operation of the gate opener, demonstrating durability in various conditions.

2. Setup and Installation

2.1 Included Components

The complete kit includes:

- 2 Gate Openers
- Control Box
- 2 Remote Controls
- Mounting Parts
- Solar Power System (20W Solar Panel, 2x 12V8Ah Batteries)
- Manual Release Key

Main Parts Description

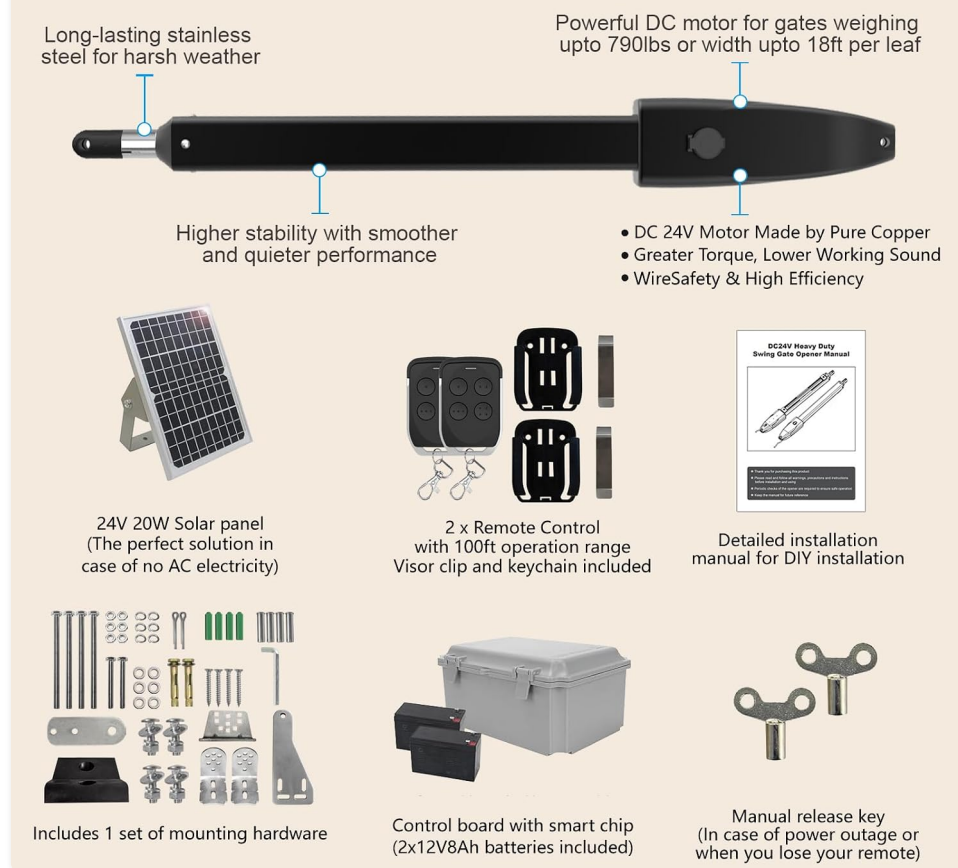


Image: Detailed view of the main components included in the Gyxel C025 gate opener kit.

2.2 Assembly and Mounting

Follow these steps for proper assembly and mounting:

1. **Assemble the Gate Bracket:** Securely attach the gate bracket components using the provided bolts and nuts.
2. **Assemble the Post Bracket:** Connect the post bracket parts, ensuring all fasteners are tightened.
3. **Fix Gate Opener to Brackets:** Insert a clevis pin to fix the gate opener to both brackets. Secure the clevis pin with a hairpin clip.
4. **Determine Mounting Position:** Manually close the gate and hold the gate opener in position to determine the optimal mounting points on the gate body and post. Mark these positions.
5. **Drill Holes:** Carefully drill holes at the marked positions on the gate and post.
6. **Install Brackets:** Mount the post bracket and gate bracket using appropriate fasteners.

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Video: Installation guide for the C025 Gate Opener, demonstrating bracket assembly and mounting.

2.3 Wiring the System

Proper wiring is crucial for safe and effective operation. Ensure power is cut off before making any connections.

1. **Control Box Preparation:** Drill holes on the control box and install cable glands to protect the cables.
2. **Solar Panel Connection:** Connect a 2-core cable to the solar panel, paying attention to positive and negative terminals. If available, use a soldering iron to secure the connection.
3. **Solar Panel to Control Board:** Connect the 2-core cable from the solar panel to the POWER port on the control board, observing positive and negative polarity.

4. **Battery Wiring:** Remove battery covers. Use a short black wire to connect two batteries in series (positive of one to negative of the other). Secure the black wire to the control board's negative terminal. Connect the red wire to the control board's positive terminal and the battery's positive terminal.
5. **Gate Opener to Control Board:** Connect the gate opener to the Motor port on the control board. For single leaf gate openers, connect to Motor 2 port. If the gate opens but the close light (red LED) lights up, swap the wires.



Image: Diagram of the solar-powered control system, showing connections for the solar panel and batteries.

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Video: Wiring instructions for the C025 Solar Gate Opener, focusing on motor connections and troubleshooting direction issues.

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Video: Installation guide for the solar panel of the C025 Gate Opener, including wiring connections.

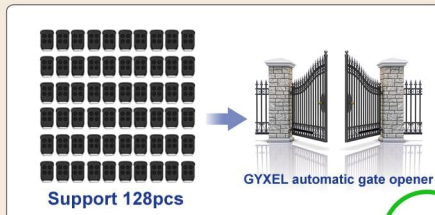
3. Operating Instructions

3.1 Remote Control Operation

The gate opener comes with two remote controls, offering a maximum control range of 100 feet. The system supports expansion of up to 128 remotes.

Pair Multiple Remote Controls

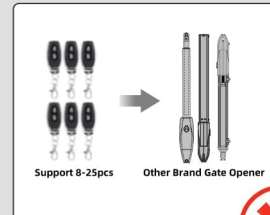
GYXEL C025 Gate Opener



Support up to 128 remotes



Other Brand Gate Opener



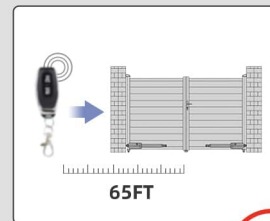
Supports only 8-25 remote controls. For more, an external receiver is required.



VS



Remote control range extends up to 100 feet



Maximum control distance is only 65 feet. An external receiver is required to achieve longer-range control.



Image: Features of the Gyxel C025 remote control, highlighting extended range and multiple remote support.

3.2 Opening Options

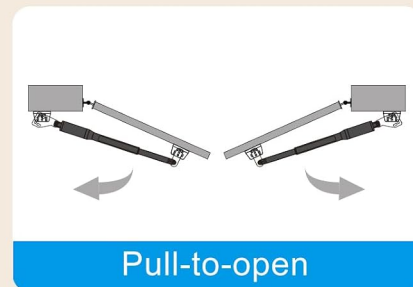
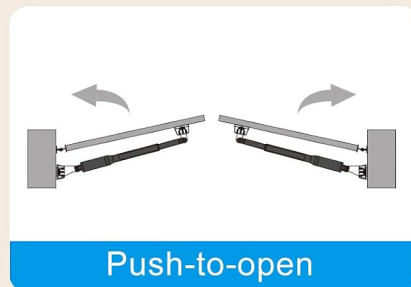
The gate opener supports two installation modes: Pull-to-Open and Push-to-Open, allowing the gate to open inward or outward as needed.

Flexible Opening Options

Maximum Gate Length and Weight for Each Arm

Length Weight	4-6ft(1.2-1.8m)	8ft(2.4m)	10ft(3m)	12ft(3.6m)	14ft(4.2m)	16ft(4.8m)	18ft(5.5m)
794lbs(360KG)	✓						
660lbs(300KG)	✓	✓					
550lbs(250KG)	✓	✓	✓				
440lbs(200KG)	✓	✓	✓	✓			
330lbs(150KG)	✓	✓	✓	✓	✓		
220lbs(100KG)	✓	✓	✓	✓	✓	✓	
100lbs(50KG)	✓	✓	✓	✓	✓	✓	✓

The actuators can be installed in two setups: push-to-open and pull-to-open.



The system provides individual control and configuration per leaf for all types of medium duty single and dual doors.

Image: Illustration of flexible opening options, including push-to-open and pull-to-open configurations.

3.3 Auto-Close Function

The auto-close function automatically secures your property after departure. This feature can be adjusted via the control box menu. It activates only when the gate is fully opened. If an obstruction is detected during closing, the gate will stop and reverse.

3.4 Manual Release

A manual release key is provided for emergency use, allowing you to operate the gate manually during power outages or system malfunctions.

3.5 Power Options

The system can be powered by the included 12V8Ah batteries, household AC electricity, or solar energy. The 20W solar panel charges the batteries, ensuring continuous operation.

Multiple Power Options

Power your motor using batteries, household electricity, or solar energy.



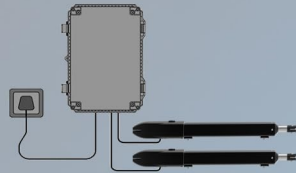
AC Electricity



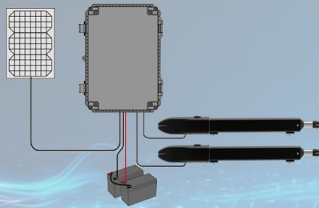
Back-up Battery



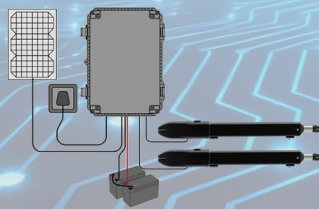
Solar Panels



Type 1: Use AC Electric Only



**Type 2 (Recommended Mode):
By Solar Panels(Included)
and Back-up Batteries(Included)**



**Type 3: By AC Electricity,
Solar Panel and Batteries(Included)**

Image: Diagram illustrating the multiple power options available for the gate opener system.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your gate opener.

- **General Care:** The system features soft start and stop technology to protect the motor. Its IP55 waterproof and dustproof rating ensures durability in harsh weather conditions (-7°F to 131°F). Periodically inspect for debris and ensure moving parts are clear.
- **Battery Maintenance:** It is recommended to fully charge the batteries before first use. If the access control system operates intermittently, it may indicate depleted battery power, requiring a recharge.

5. Troubleshooting

If you encounter issues, refer to the following troubleshooting steps:

5.1 Power Supply Abnormality Detection

If the control board does not receive power, check the following components:

1. Check the 3A fuse of the AC transformer. Replace if burned.
2. Check the 10A fuse on the control board. Replace if blown.
3. Verify the power cable, its connections, the plug, and the socket for damage.
4. Use a test pen or multimeter to check for live wires and proper voltage at various connection points on the control board.

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Video: Guide on detecting control board power supply abnormality.

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Video: Using a multimeter to detect abnormal power supply on the control board.

5.2 Gate Opening/Closing Direction

If the gate opens but the red LED (close light) illuminates, indicating incorrect direction, swap the motor wires connected to the control board. Operate only after power is cut off.

5.3 Obstruction Detection

The safety stop-and-reverse feature is activated if any obstructions are encountered during gate opening or closing. Ensure the path is clear for smooth operation.

5.4 Limit Switch Adjustment

If the gate does not open or close fully, fine-tune the limit switches (A and B) on the gate opener arm. Moving limit switch A to the left increases the opening angle. Moving limit switch B to the left decreases the closing angle; moving it to the right increases the closing angle.

6. Specifications

Feature	Specification
Manufacturer	Gyxel
Item Weight	45 pounds
Package Dimensions	40.5 x 20.5 x 7.5 inches
Item Model Number	PKM-C025-440
Size	790lb Solar Dual Swing Gate Opener
Batteries Included?	Yes
Batteries Required?	Yes
Battery Cell Type	Sealed Lead Acid

7. Warranty and Support

Gyxel provides a 30-day worry-free exchange and return policy, a 12-month warranty, and lifetime technical support. For any questions or assistance, please contact Gyxel customer service. Our professional engineers will respond within 24 hours to help diagnose problems accurately and provide effective solutions.

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

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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