

Gyxel PKM-C01-L

Gyxel C01-L Solar Dual Swing Gate Opener Instruction Manual

Model: PKM-C01-L

Brand: Gyxel

1. INTRODUCTION

Thank you for choosing the Gyxel C01-L Solar Dual Swing Gate Opener. This system is designed to provide convenient and secure access to your property. It features powerful 40W motors, solar charging capabilities with included batteries, and smart safety features for reliable operation in various weather conditions.

Key Features:

- **Powerful & Efficient Motor:** High-torque 40W motors for gates up to 440 lbs or 14 ft per arm.
- **Solar-Powered for Continuous Operation:** Includes two 12V 8Ah rechargeable batteries and a 20W solar panel.
- **Versatile & Easy to Install:** Suitable for various gate types, with pull-to-open or push-to-open options.
- **Smart Safety & All-Weather Durability:** Automatic stop-and-reverse, auto-close function, soft start/stop, and IP55 rating.
- **Hassle-Free Setup & Reliable Support:** Step-by-step manual for easy installation and lifetime technical support.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Read the entire instruction manual carefully before installation and use.
- Ensure all electrical connections are made by a qualified professional and comply with local codes.
- Keep hands and clothing clear of the gate and opener arms during operation.
- Do not allow children to play near the gate or operate the controls.
- Regularly inspect the gate opener for signs of wear, damage, or misalignment.
- In case of power failure, use the manual release key to operate the gate.

3. PACKAGE CONTENTS

The Gyxel C01-L Solar Dual Swing Gate Opener package includes the following components:

- Control Box with Control Board
- 2x Gate Opener Arms
- Mounting Parts & Hardware
- Limit Stops
- 2x Remote Controls with Keychain (Built-in 12V 27A battery)
- 2x Remote Clips
- Transformer
- Solar Panel (2x 12V 8AH lead-acid batteries included)
- Solar Charge Controller
- Manual Release Key
- Installation Instructions

Main Parts Description

Long-lasting stainless steel for harsh weather

Powerful DC motor for gates weighing up to 440lbs or width up to 14ft per leaf



Higher stability with smoother and quieter performance

- DC 24V Motor Made by Pure Copper
- Greater Torque, Lower Working Sound
- WireSafety & High Efficiency



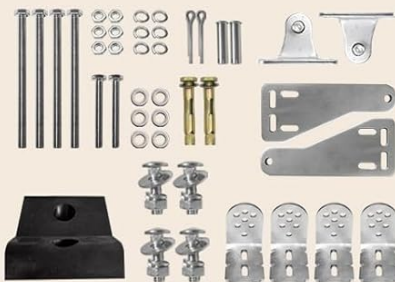
24V 20W Solar panel and solar charge controller (The perfect solution incase of no AC electricity)



2 x Remote Control with 100ft operation range
Visor clip and keychain included



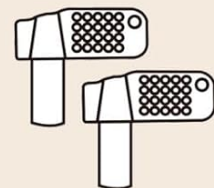
Includes detailed installation instructions, easy to install, and 2 x Safety warning signs



Includes 1 set of mounting hardware



Control board with smart chip
(2x12V 8Ah batteries include Transformers include)



Manual release key
(In case of power outage or when you lose your remote)

Figure 1: Main components included in the Gyxel C01-L Solar Dual Swing Gate Opener kit.

4. SETUP & INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. Refer to the detailed installation videos and diagrams provided.

4.1. Mechanical Installation

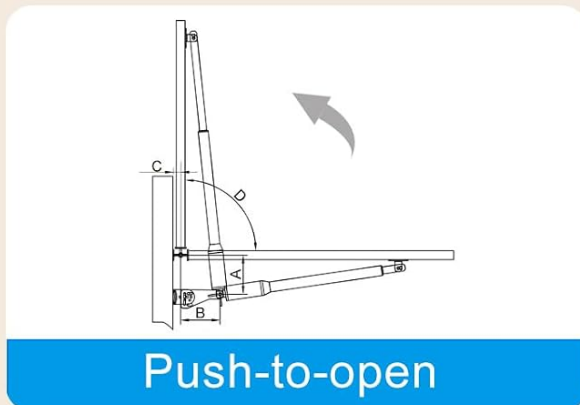
The gate opener can be installed for both pull-to-open (inward swinging) and push-to-open (outward swinging) gates. Ensure correct bracket placement and secure mounting.

CUSTOMIZABLE OPENING OPTIONS

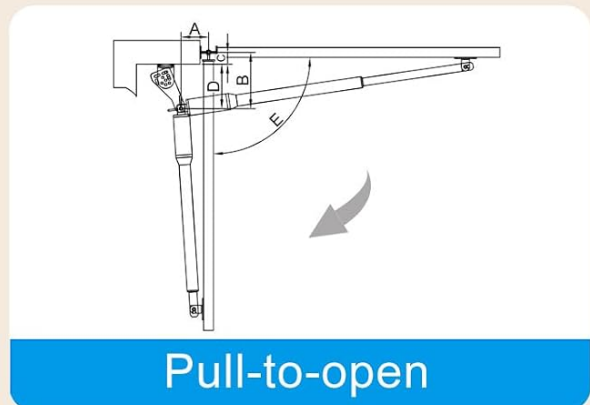
Maximum Gate Length and Weight for Each Arm

Length Weight	4-6ft(1.2-1.8m)	8ft(2.4m)	10ft(3m)	12ft(3.6m)	14ft(4.3m)
440lbs(200kg)	✓	NR	NR	NR	NR
350lbs(160kg)	✓	✓	NR	NR	NR
240lbs(110kg)	✓	✓	✓	NR	NR
150lbs(70kg)	✓	✓	✓	✓	NR
100lbs(50kg)	✓	✓	✓	✓	✓

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



Push-to-open



Pull-to-open

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

Figure 2: Diagram showing push-to-open and pull-to-open installation configurations.

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Video 1: Detailed installation guide for the Gyxel C01-L Gate Opener, covering mechanical setup.

4.2. Electrical Wiring & Power Supply

The system supports solar power with included batteries and a solar panel. For optimal performance, fully charge the batteries before first use. Ensure all wiring connections are secure.

POWER SUPPLY MODE

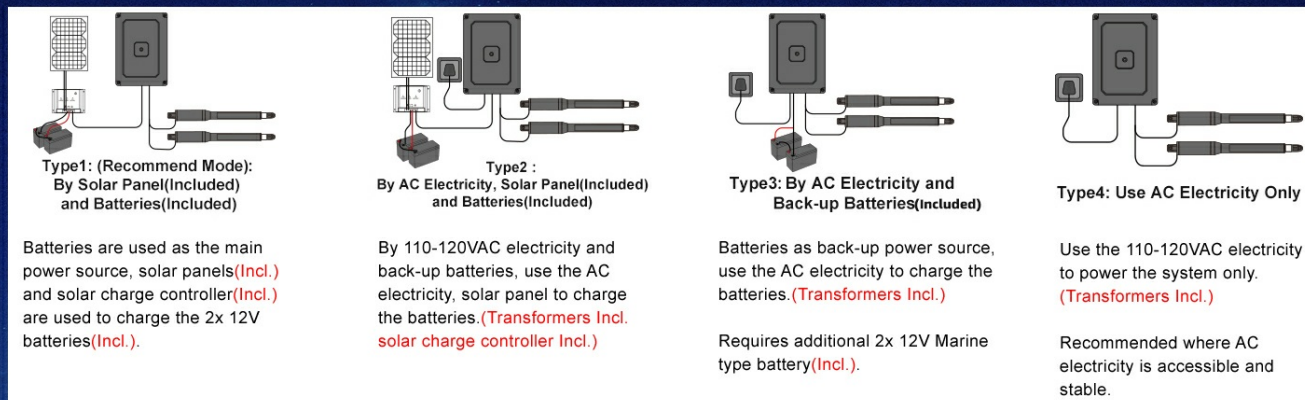


Figure 3: Diagram illustrating the complete solar power system, including batteries and solar panel connections.

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Video 2: Wiring instructions for the Gyxel C01-L Solar Gate Opener, detailing power connections.

5. OPERATING INSTRUCTIONS

5.1. Remote Control Operation

The system includes two 100-ft range remote controls. Press the designated button on the remote to open, stop, or close the gate. The system supports programming up to 128 remotes.



Figure 4: Illustration of remote control usage for gate operation.

5.2. Keypad Operation (Optional)

For enhanced security and access control, an optional wireless keypad can be integrated. The keypad allows entry via a 4-digit passcode or by swiping an IC card.

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Video 3: Guide on keypad function, installation, and programming for the gate opener.

5.3. Automatic Close Function

The system features an adjustable auto-close function to secure your property after entry or exit. This function can be configured via the control board settings.

CUSTOMIZABLE OPENING OPTIONS

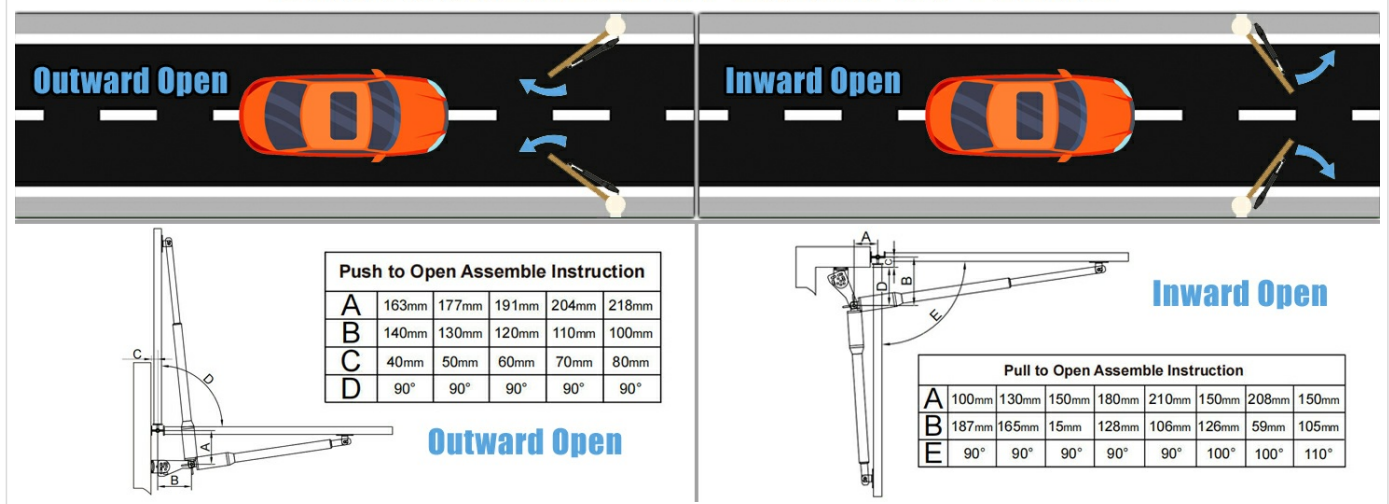


Figure 5: Visual representation of the auto-closing function in action.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Gyxel C01-L gate opener.

- **Battery Check:** Periodically check the battery charge level, especially if the opener operates intermittently. The solar panel helps maintain charge, but extreme weather or prolonged shade may affect performance.
- **Cleanliness:** Keep the gate opener arms and control box free from dirt, debris, and ice.
- **Lubrication:** Lubricate moving parts of the gate and opener arms as recommended in the detailed manual to ensure smooth operation.
- **Hardware Inspection:** Regularly inspect all mounting hardware, bolts, and pins for tightness and signs of corrosion or wear.

7. TROUBLESHOOTING

If you encounter issues with your gate opener, refer to the following common troubleshooting steps. For complex problems, contact customer support.

7.1. No Power to Control Board

If the control board does not power on, check the power supply components:

- Verify the main power cable connection and ensure the outlet is functional.
- Check the 3A fuse of the AC transformer and the 10A fuse on the control board for any signs of being blown.
- Use a multimeter to test input power voltage at various points as shown in the video.

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Video 4: How to use a multimeter to detect abnormal power supply on the control board.

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Video 5: Further details on control board power supply abnormality detection.

7.2. Gate Not Responding to Remote/Keypad

- Ensure the remote control batteries are not depleted.
- Check if the keypad is powered on and correctly programmed.

- Verify that there are no obstructions blocking the signal path between the remote/keypad and the control board.
- Re-pair the remote controls or re-program the keypad if necessary.

7.3. Gate Stops or Reverses Unexpectedly

- Check for any physical obstructions in the gate's path. The system has an automatic stop-and-reverse safety feature.
- Inspect the gate hinges and wheels for smooth movement.
- Ensure the limit stops are correctly set and not interfering with normal operation.

8. SPECIFICATIONS

Feature	Specification
Model Number	PKM-C01-L
Manufacturer	Gyxel
Max Gate Weight (per arm)	440 lbs
Max Gate Length (per arm)	14 ft
Motor Power	40W (24V DC)
Solar Panel	20W
Batteries	2x 12V 8Ah Sealed Lead Acid
Remote Range	Up to 100 ft
Weather Resistance	IP55 (Water and Dust Resistant)
Operating Temperature	-7°F to 131°F

COMPACT & POWERFUL



440 lb.

Max single-leaf weight



14 ft.

Max single-leaf length



11.81 ft.

Max. Actuator travel



29.37"



41.18"

Figure 6: Dimensions and capacity of the gate opener arms.

POWERFUL ALL-COPPER MOTORS

for Medium Duty Dual Gates up to 440lbs or 14ft per leaf.



40W
24V DC Motors



Superior
Efficiency



1.6 cm/s
Actuator speed



Figure 7: Details on the 40W all-copper motors and their efficiency.

Work Perfect In Extremely Weater

Our gate openers withstand extreme heat, freezing cold, and corrosion — delivering reliable long-term performance in any environment.



All Year Long
-7°F to 131°F



In Any Weather
IP55



Quick Opening
9-20s



Gate Opening Angel
110° MAX



Corrosion
Resistant



Figure 8: Highlighting the gate opener's durability and performance in various weather conditions.

9. WARRANTY & SUPPORT

Gyxel stands behind its products with comprehensive customer support.

- **Warranty:** The Gyxel C01-L Solar Dual Swing Gate Opener is backed by a 12-month warranty.
- **Return Policy:** Enjoy a 30-day return policy for your peace of mind.
- **Technical Support:** Lifetime technical support is available. If you have any questions or require assistance, please contact our professional engineers. They will respond within 24 hours to provide accurate diagnosis and support.

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