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CO-Z B0CS6JDQPW

CO-Z Automatic Swing Gate Opener Kit User Manual

Model: B0CS6JDQPW

1. INTRODUCTION

Thank you for choosing the CO-Z Automatic Swing Gate Opener Kit. This system is designed to provide convenient and secure access for swing gates up to 660 pounds and 18 feet in length. Featuring a robust 50W DC motor, customizable closing times, and weather-resistant construction, this opener ensures reliable operation for your residential or garden gate. This manual provides essential information for the safe installation, operation, and maintenance of your gate opener. Please read it thoroughly before beginning installation or use.

2. SAFETY INFORMATION

Your safety and the safety of others are extremely important. Please observe all warnings and precautions to reduce the risk of injury, electric shock, or property damage.

- **Read all instructions:** Before installation and use, read and understand all instructions in this manual.
- **Qualified personnel:** Installation and wiring should be performed by qualified personnel to prevent hazards.
- **Moving parts:** Keep hands, feet, and clothing clear of the gate and opener mechanism during operation.
- **Children and pets:** Do not allow children or pets to play near the gate or operate the remote controls.
- **Obstacle detection:** The system includes an obstacle detection feature that stops and reverses the gate if an obstruction is detected. Regularly test this feature.
- **Emergency release:** Familiarize yourself with the manual release procedure in case of power failure.
- **Power supply:** Ensure the power supply is disconnected before performing any maintenance or repairs.

3. PACKAGE CONTENTS

The CO-Z Automatic Swing Gate Opener Kit typically includes the following components. Please verify all parts are present upon unboxing.

- Swing Gate Opener Actuator(s)
- Control Box

- Remote Controls (3 units)
- Manual Release Keys
- Mounting Hardware and Brackets
- Instruction Manual
- Other necessary accessories (e.g., wiring, sensors) - refer to your specific packaging list.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your gate opener. If you are unsure about any step, consult a professional installer.

4.1 Pre-Installation Checks

- Ensure your gate is in good working condition, moves freely, and is properly balanced.
- Verify the gate dimensions and weight are within the opener's specifications (up to 660 lb. and 18 ft.).
- Determine the optimal mounting location for the opener and control box, ensuring adequate clearance for gate movement.

4.2 Power Options

The CO-Z gate opener offers flexible power solutions:

- **Household Power:** Connect directly to your main electricity supply via a power inverter.
- **Battery Power:** Utilize two 12V lead-acid batteries (not included) for operation.
- **Solar Power:** Integrate with a solar panel and solar controller for an eco-friendly power source.

MORE THAN ONE POWER OPTION

Power Up Your Motor with Batteries,
Home Electricity, or Solar Energy



Figure 1: Power supply options for the CO-Z Automatic Swing Gate Opener.

4.3 Mounting the Opener

- Securely attach the mounting brackets to the gate post and the gate frame using appropriate fasteners.
- Mount the actuator(s) to the brackets, ensuring proper alignment with the gate's pivot point.
- Adjust the actuator length to achieve the desired open and closed positions.



Figure 2: CO-Z Swing Gate Opener system overview, illustrating key features and components.

4.4 Wiring and Control Box Installation

- Mount the control box in a secure, weather-protected location near the gate.
- Connect the actuator motor wires to the control board as per the wiring diagram provided in the full installation guide.
- Connect the chosen power supply to the control box.
- Ensure all connections are secure and properly insulated.

POWERFUL ALL-COPPER MOTOR

for Heavy-Duty Gates up to 18 ft. and 660 lb.



50W
DC Motor



390 lb.-ft.
Torque



Superior
Efficiency



Figure 3: Internal view of the gate opener's all-copper motor, designed for heavy-duty gates.

5. OPERATING INSTRUCTIONS

Once installed, your CO-Z gate opener is ready for operation.

5.1 Remote Control Operation

- Press the designated button on your remote control to open or close the gate.
- The remote has a range of up to 100 feet (30 meters).

Drive-Through Convenience

Stay nice and CO-Z in your car!
Effortlessly open your gate from 100' (30 m) away.



Figure 4: Using the remote control for convenient gate access.

Instant Access at the Push of a Button

Enjoy greater convenience with more remotes
for your automatic gate opener!



Figure 5: Examples of gates opening with the CO-Z Automatic Swing Gate Opener.

5.2 Customizable Closing Times

The system allows you to set an automatic closing delay after the gate has fully opened. Refer to the control board's specific instructions for setting these times.

- Available settings: 15, 30, 60, or 90 seconds.

5.3 Manual Release

In case of power failure or system malfunction, you can manually open or close the gate using the provided release keys. Insert the key into the actuator's manual release port and turn it to disengage the motor.

6. MAINTENANCE

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

- **Monthly Inspection:** Check all mounting hardware for tightness. Inspect wiring for any signs of wear or damage. Ensure the gate moves freely without obstruction.

- **Cleaning:** Keep the actuator and control box free from dirt, debris, and insects. Use a soft, damp cloth for cleaning. Do not use harsh chemicals.
- **Lubrication:** Periodically lubricate moving parts of the gate and opener as recommended by the full installation guide.
- **Remote Control Batteries:** Replace remote control batteries (L828F 12V) when the range decreases or the indicator light fails to illuminate.



Figure 6: Remote control battery type for replacement.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Gate does not open or close.	No power, remote battery dead, obstruction, motor issue.	Check power supply. Replace remote battery. Clear any obstructions. Check motor connections.

Problem	Possible Cause	Solution
Remote control not working.	Dead battery, out of range, remote not paired.	Replace battery (L828F 12V). Move closer to the gate. Re-pair remote according to pairing instructions.
Gate stops unexpectedly.	Obstruction detected, sensor malfunction.	Check for and remove obstructions. Clean or inspect safety sensors.
Gate opens/closes slowly.	Low power, friction in gate hinges, motor wear.	Check power supply. Lubricate gate hinges. Contact support if motor issue is suspected.

If the problem persists after attempting these solutions, please contact CO-Z customer support.

8. SPECIFICATIONS

Key technical specifications for the CO-Z Automatic Swing Gate Opener Kit:

- **Model:** B0CS6JDQPW
- **Max Gate Weight:** 660 lb. (300 kg)
- **Max Gate Length:** 18 ft. (5.5 m)
- **Motor Power:** 50W DC
- **Torque:** 390 lb.-ft.
- **Opening Speed:** Approximately 3 ft. per minute
- **Auto-Close Delay Settings:** 15, 30, 60, 90 seconds
- **Weather Resistance:** IP44 rated
- **Operating Temperature:** -4°F to 158°F (-20°C to 70°C)
- **Noise Level:** 58 dB Max
- **Material:** Aluminum (actuator), ABS (casing)
- **Remote Control Range:** Up to 100 ft. (30 m)

SMOOTH OPERATION

Our Gate Opener Resists Heat, Cold, & Corrosion
to Ensure Dependable Long-Lasting Operation



All Year Long
-4°F to 158°F



In Any Weather
IP 44



Minimal Noise
58 dB Max.



Corrosion
Resistant



Figure 7: Operational characteristics and durability of the gate opener.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official CO-Z website. Warranty terms and conditions may vary.

If you require technical assistance, have questions about installation, or need to report a problem, please contact CO-Z customer support through their official channels. Have your model number (B0CS6JDQPW) and purchase date ready when contacting support.