

Chamberlain CHLA250EVC

Chamberlain CHLA250EVC Electric Swing Gate Opener Instruction Manual

Model: CHLA250EVC

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Chamberlain CHLA250EVC Electric Swing Gate Opener. Please read this manual thoroughly before beginning installation or operation to ensure safe and efficient use of the product. This durable and robust 800 N swing gate motorization system is designed for reliable performance.

2. SAFETY INFORMATION

Your safety and the safety of others are extremely important. This manual outlines important safety messages. Always read and follow all safety instructions.

- Ensure all electrical connections are performed by a qualified electrician and comply with local regulations.
- Keep hands and feet clear of the gate and gate opener mechanism during operation.
- Do not allow children to play with or operate the gate opener controls.
- Regularly inspect the gate and opener for signs of wear, damage, or improper balance.
- In case of power failure, use the manual release mechanism to operate the gate.
- Install safety sensors (photocells) to prevent the gate from closing on obstructions.

3. PACKAGE CONTENTS

Carefully unpack all components and verify that all items listed below are present. If any parts are missing or damaged, contact your retailer immediately.



Image: All components of the Chamberlain CHLA250EVC gate opener system, including two operators, control box, remote controls, safety sensors, and mounting hardware.

- 2 x Chamberlain CHLA250EVC Gate Operators
- 1 x Control Unit / Control Box
- 2 x Remote Controls
- 2 x Safety Photocell Sensors
- Mounting Brackets and Hardware
- Manual Release Keys
- Instruction Manual

4. SETUP AND INSTALLATION

Installation should be performed by individuals with appropriate technical knowledge. Ensure the gate operates smoothly manually before installing the opener.

4.1 Site Preparation

- Ensure the gate posts are sturdy and capable of supporting the opener's weight and forces.
- Verify that the gate swings freely without obstruction and is properly balanced.
- Plan the routing for electrical cables, ensuring they are protected and comply with local electrical codes.

4.2 Mounting the Gate Operators



Image: A single Chamberlain gate operator mounted on a swing gate, illustrating typical installation.

- Attach the mounting brackets securely to the gate post and the gate frame according to the provided template.
- Mount the gate operators to the brackets, ensuring they are level and aligned for smooth gate movement.
- Adjust the operator's length to achieve the desired open and closed positions.

4.3 Electrical Connections

- Connect the gate operators to the control unit.
- Wire the safety photocell sensors to the control unit. Position sensors to detect obstructions in the gate's path.

- Connect the control unit to a suitable 240V power supply, ensuring proper grounding. The system operates on 24 Volts internally.

4.4 Programming Remote Controls



Image: A Chamberlain remote control with three buttons, used for operating the gate opener.

- Refer to the control unit's specific instructions for programming the remote controls.
- Typically, this involves pressing a 'learn' button on the control unit and then a button on the remote.
- Test each remote control to ensure it operates the gate correctly.

5. OPERATING INSTRUCTIONS

5.1 Standard Operation

- Press the programmed button on your remote control to open or close the gate.
- Pressing the button again during operation will typically stop the gate. A third press will reverse its direction.
- Ensure the gate path is clear before and during operation.

5.2 Manual Override

In case of power failure or malfunction, the gate can be operated manually:

- Locate the manual release mechanism on each gate operator.
- Insert the provided key and turn it to disengage the motor.
- The gate can now be opened or closed by hand.
- To re-engage, reverse the manual release procedure.

5.3 MyQ Smart Control (If applicable)

This system may be compatible with Chamberlain's MyQ technology, allowing you to monitor and control your gate from your smartphone. Refer to the MyQ app instructions for setup and usage.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your gate opener.

- **Monthly:** Check the gate's balance and ensure it moves freely. Inspect all mounting hardware for tightness.
- **Quarterly:** Clean the gate operators and photocell lenses. Test the safety sensors by placing an object in the gate's path during closing. The gate should reverse.
- **Annually:** Have a qualified technician inspect the entire system, including electrical connections and motor performance.

7. TROUBLESHOOTING

If you encounter issues, consult this section before contacting support.

Problem	Possible Cause	Solution
Gate does not open/close	No power; Remote battery dead; Safety sensors obstructed; Manual release engaged.	Check power supply; Replace remote battery; Clear sensor path; Disengage manual release.
Gate reverses unexpectedly	Safety sensors obstructed; Obstruction in gate path; Force settings too sensitive.	Clear sensor path/gate path; Adjust force settings (refer to control unit manual).
Remote control not working	Battery dead; Remote out of range; Remote not programmed.	Replace battery; Move closer to gate; Reprogram remote (see Section 4.4).

8. SPECIFICATIONS

Feature	Detail
Model Name	CHLA250EVC
Brand	Chamberlain
Product Dimensions (L x W x H)	7 x 8 x 17 cm (per operator)
Weight	4 kilograms (total package)
Capacity	Up to 200 Kilograms (per gate leaf)
Power	800 N (Newton) force
Voltage	240 Volts (input), 24 Volts (system)
Material	Plastic

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Chamberlain website. For technical support or service, please contact Chamberlain customer service directly. Keep your proof of purchase for warranty claims.



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