

## FAAC FAAC-422-CBAC-SWING-GATE-OPERATOR-KIT

# FAAC 422 115V CBAC Swing Gate Opener Instruction Manual

Model: FAAC-422-CBAC-SWING-GATE-OPERATOR-KIT

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the FAAC 422 115V CBAC Swing Gate Opener. This system is designed for automating swing gates, offering convenience and security. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety.

## 2. SAFETY INFORMATION

**WARNING: Improper installation or use can lead to serious injury or property damage. Always follow safety guidelines.**

- Installation must be performed by qualified personnel in accordance with local electrical codes and safety regulations.
- Ensure the gate operates freely and is properly balanced before installing the opener.
- Do not allow children to play near the gate or operate the controls.
- Keep hands and clothing clear of the gate and opener mechanism during operation.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- Disconnect power before performing any maintenance or repairs.
- Install safety devices such as photocells and safety edges to prevent entrapment.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before proceeding with installation.



Figure 1: Overview of the FAAC 422 Swing Gate Opener Kit components. This image displays the main linear actuator, two photocell sensors, the control board, the control box, and two remote controls.

- 1x FAAC 422 115V CBAC Swing Gate Opener (Linear Actuator)
- 1x Control Board (Circuit board for system logic)
- 1x Control Box (Enclosure for the control board)
- 2x Photocell Sensors (Safety devices to detect obstructions)
- 2x Remote Controls (For wireless operation)
- 2x Batteries (For backup power or specific components, as per kit description)
- Mounting Hardware (Brackets, screws, pins - specific items may vary)

## 4. SETUP AND INSTALLATION

Installation of the FAAC 422 gate opener requires technical expertise. It is highly recommended that installation be performed by a certified professional.

### 4.1 Site Preparation

1. Ensure the gate moves freely and smoothly without binding.

2. Verify that the gate hinges are in good condition and can support the additional weight and force of the opener.
3. Plan the routing for all electrical cables (power, control, safety devices) to ensure they are protected and meet local codes.

## 4.2 Mounting the Actuator

1. Determine the optimal mounting points on the gate post and gate leaf for the linear actuator, considering the gate's opening angle and travel.
2. Securely attach the rear mounting bracket to the gate post using appropriate fasteners.
3. Attach the front mounting bracket to the gate leaf.
4. Mount the FAAC 422 actuator between the two brackets, ensuring it is level and aligned.

## 4.3 Electrical Connections

1. Connect the motor wires from the actuator to the designated terminals on the control board within the control box.
2. Wire the photocell sensors to the control board, ensuring proper alignment and functionality for safety.
3. Connect the main power supply (115V) to the control board, adhering to all electrical safety standards.
4. Install and connect the backup batteries as per the control board's instructions.

## 4.4 Limit Switch Adjustment and Remote Programming

1. Follow the control board's specific instructions to set the open and close limit switches, defining the gate's travel limits.
2. Program the remote controls to the control board, allowing for wireless operation of the gate. Refer to the control board's specific manual for detailed programming steps.

# 5. OPERATING INSTRUCTIONS

---

## 5.1 Using the Remote Control

- Press the designated button on your remote control to activate the gate.
- A single press typically initiates the open or close cycle. If the gate is already moving, a press may stop it, and another press may reverse its direction (depending on programming).
- Ensure a clear line of sight to the gate and that no obstructions are present before operating.

## 5.2 Manual Release Procedure

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

1. Locate the manual release mechanism on the FAAC 422 actuator. This is typically a key-operated lock or a lever.
2. Insert the provided key (if applicable) and turn it, or engage the lever, to disengage the motor.
3. The gate can now be pushed open or closed by hand.
4. To re-engage the motor, reverse the manual release procedure. Ensure the gate is fully closed or open before re-engaging to prevent damage.

# 6. MAINTENANCE

---

Regular maintenance ensures the longevity and reliable operation of your FAAC 422 gate opener.

- **Monthly:** Inspect the gate's movement for any binding or unusual noises. Check all mounting hardware for tightness. Clean any debris from the photocell lenses.
- **Quarterly:** Lubricate the gate hinges and any moving parts of the actuator as recommended by FAAC (refer to specific lubricant guidelines if available). Check electrical connections for corrosion or looseness. Test the manual release mechanism.
- **Annually:** Have a qualified technician perform a thorough inspection of the entire system, including motor performance, control board diagnostics, and safety device functionality.

## 7. TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions. If the problem persists, contact technical support.

| Problem  | Possible Cause  | Solution   |
|--|---|--|
| Gate does not respond to remote.               | Dead remote battery, remote out of range, remote not programmed, power failure.   | Replace remote battery. Move closer to the gate. Reprogram remote. Check main power supply.                  |
| Gate opens but does not close (or vice versa). | Photocells obstructed or misaligned, limit switch issue, safety device activated. | Clear photocell path, clean lenses, realign photocells. Check limit switch settings. Inspect safety devices. |
| Gate moves slowly or with difficulty.          | Gate hinges stiff, obstruction, low battery voltage (if applicable), motor issue. | Lubricate hinges. Remove obstructions. Check battery charge. Contact technician for motor inspection.        |
| Gate stops unexpectedly during operation.      | Obstruction detected by safety devices, motor overload, power interruption.       | Check for obstructions. Allow motor to cool. Verify stable power supply.                                     |

## 8. SPECIFICATIONS

| Feature               | Detail                                  |
|-----------------------|---|
| Model Number          | FAAC-422-CBAC-SWING-GATE-OPERATOR-KIT   |
| Part Number           | FAAC-422-CBAC-SWING-GATE-OPERATOR-KIT   |
| Manufacturer          | FAAC                                    |
| Power Source          | Battery powered, Corded electric (115V) |
| Package Dimensions    | 80 x 20 x 10 inches                     |
| Item Package Quantity | 1                                       |
| ASIN                  | <a href="#">B06Y1MNGFN</a>              |

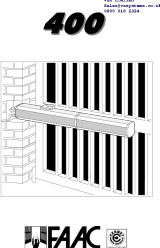
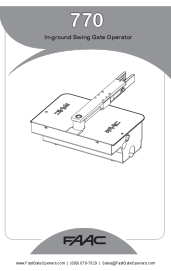


| Feature              | Detail          |
|----------------------|-----------------|
| Date First Available | August 31, 2017 |

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your FAAC 422 Swing Gate Opener kit or visit the official FAAC website. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact FAAC customer service or your authorized dealer.

*Note: Warranty terms and conditions may vary based on region and purchase location. Keep your proof of purchase for warranty claims.*

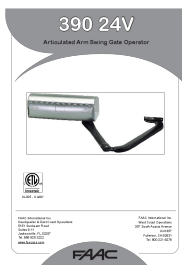
### Related Documents - FAAC-422-CBAC-SWING-GATE-OPERATOR-KIT

|   |  |
|---|--|
|   | <p><a href="#">FAAC 400 Series Swing Gate Automation System: Installation and User Manual</a></p> <p>Comprehensive installation, safety, operation, and maintenance guide for the FAAC 400 series hydraulic automation systems designed for swing gates. Covers technical specifications, dimensions, installation procedures, safety instructions, manual operation, and troubleshooting.</p>   |
|  | <p><a href="#">FAAC 770 In-Ground Swing Gate Operator: Installation, Control Board, and Maintenance Manual</a></p> <p>This manual provides comprehensive instructions for the FAAC 770 in-ground swing gate operator, covering installation, safety guidelines, the E024U control board, programming, maintenance, spare parts, and warranty. It details technical specifications and operational logic for automated vehicular swing gates.</p> |
|  | <p><a href="#">FAAC S418 Electromechanical Swing Gate Operator Installation and Operation Manual</a></p> <p>Comprehensive guide for the FAAC S418 Electromechanical Swing Gate Operator, covering installation, operation, maintenance, safety precautions, and technical specifications. Includes details on the E024U control board and accessories.</p>   |
|  | <p><a href="#">FAAC S418 Swing Gate Operator - Installation and Operation Manual</a></p> <p>Comprehensive guide for the FAAC S418 electromechanical swing gate operator, covering installation, technical specifications, safety precautions, operation, maintenance, and control board details.</p>   |



### [FAAC 390 Articulated Arm Swing Gate Operator Manual](#)

Comprehensive installation, operation, and safety manual for the FAAC 390 Articulated Arm Swing Gate Operator. Includes technical specifications, electrical diagrams, programming details, and maintenance guidelines.



### [FAAC 390 24V Articulated Arm Swing Gate Operator Installation and Maintenance Manual](#)

Comprehensive installation, operation, and maintenance manual for the FAAC 390 24V Articulated Arm Swing Gate Operator, including safety instructions, technical specifications, and troubleshooting for the E024U control board.