

## FAAC 10420212.5

# FAAC 400 Swing Gate Opener 115V CBAC EG Long Basic Single Kit Instruction Manual

Model: 10420212.5

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your FAAC 400 Swing Gate Opener, model 10420212.5. Please read these instructions carefully before beginning any work on the gate opener. Proper installation and maintenance are crucial for optimal performance and longevity of the product.



Image 1.1: The FAAC 400 Swing Gate Opener unit.

The FAAC 400 gate operator is designed for a wide range of applications, from residential to heavy industrial gates. It is capable of operating swing gates up to 16 feet long and weighing up to 1,300 lbs. Key features include quiet operation, a key-protected manual release mechanism, and self-lubricating components for extended life.

## 2. SAFETY INFORMATION

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Always prioritize safety during installation, operation, and maintenance. Failure to follow these safety guidelines may result in serious injury or damage to property.

- Ensure all electrical connections are made by a qualified electrician and comply with local electrical codes.
- Disconnect power to the gate opener before performing any maintenance or service.
- Keep hands, feet, and clothing clear of the gate and opener mechanism during operation.
- Do not allow children to play near the gate or operate the controls.
- Install safety devices such as photocells and safety edges to prevent entrapment.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon unpacking. The basic single kit typically includes:

- FAAC 400 CBAC EG Hydraulic Operator (1 unit)
- Mounting Brackets and Hardware
- Key for Manual Release
- Instruction Manual (this document)

Additional accessories such as control boards, receivers, transmitters, and safety devices are sold separately and may be required for a complete operational system.

## 4. SETUP AND INSTALLATION

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Installation should only be performed by qualified personnel. Refer to the detailed wiring diagrams and mechanical installation instructions provided in the separate technical manual for specific steps.

### 4.1 Mechanical Installation

1. **Prepare the Gate:** Ensure the gate operates smoothly manually and is properly hinged and balanced.
2. **Mount the Operator:** Securely attach the FAAC 400 operator to the gate post and gate leaf using the provided mounting brackets and hardware. Ensure correct alignment to prevent undue stress on the operator.
3. **Adjust End Stops:** Install mechanical end stops for both open and closed positions to prevent over-travel of the gate.

### 4.2 Electrical Connections

1. **Power Supply:** Connect the 115V AC power supply to the control board, ensuring proper grounding.
2. **Motor Wiring:** Connect the motor wires from the operator to the designated terminals on the control board.
3. **Safety Devices:** Wire all safety devices (photocells, safety edges) to the control board according to their respective manuals.
4. **Control Devices:** Connect any desired control devices (keypads, remote receivers, push buttons) to the control board.

### 4.3 Initial Setup and Programming

After mechanical and electrical installation, refer to the control board manual for initial power-up, limit switch adjustments, and programming of operating parameters such as opening/closing speeds, pause times, and force settings.

## 5. OPERATING INSTRUCTIONS

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The FAAC 400 gate opener can be operated via various control devices connected to its control board.

### 5.1 Automatic Operation

Once programmed, the gate will open or close upon activation from a remote control, keypad, or other access control device. The gate will automatically stop at its programmed limits.

### 5.2 Manual Release

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

1. Locate the manual release mechanism on the operator.
2. Insert the provided key into the lock and turn it to disengage the hydraulic lock.
3. Manually push the gate open or closed.
4. To re-engage, turn the key back to the locked position and operate the gate electrically once to reset the mechanism.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your FAAC 400 gate opener.

### 6.1 Monthly Checks

- Inspect the gate for smooth manual operation, ensuring hinges are lubricated and free of obstruction.
- Check all mounting bolts and hardware for tightness.
- Test all safety devices (photocells, safety edges) to ensure they are functioning correctly.
- Verify that the manual release mechanism operates smoothly.

### 6.2 Annual Service

- Have a qualified technician inspect the hydraulic fluid level and condition.
- Check for any signs of leaks from the hydraulic system.
- Inspect electrical connections for corrosion or damage.
- Clean any debris from the operator housing.

## 7. TROUBLESHOOTING

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This section provides solutions to common issues. For complex problems, contact a qualified technician.

Problem	Possible Cause	Solution
Gate does not move	No power; Safety device activated; Manual release engaged	Check power supply; Inspect safety devices; Disengage manual release
Gate opens/closes partially	Obstruction; Incorrect limit settings	Remove obstruction; Re-adjust limit switches
Remote control not working	Dead battery; Out of range; Not programmed	Replace battery; Move closer to receiver; Reprogram remote

## 8. SPECIFICATIONS

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- **Model:** FAAC 400 CBAC EG
- **Part Number:** 10420212.5
- **Power Supply:** 115V AC
- **Max Gate Length:** 16 feet (4.88 meters)
- **Max Gate Weight:** 1,300 lbs (590 kg)
- **Operator Type:** Hydraulic

- **Item Weight:** 55 Pounds (24.95 kg)
- **Manufacturer:** FAAC

## 9. WARRANTY INFORMATION

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FAAC products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase. For detailed warranty information, refer to the warranty card included with your product or contact FAAC customer support.

## 10. SUPPORT

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For technical assistance, spare parts, or further information regarding your FAAC 400 Swing Gate Opener, please contact your authorized FAAC dealer or visit the official FAAC website. When contacting support, please have your model number (10420212.5) and serial number ready.