

FAAC 415 Low Voltage Basic Single Kit 10441811.5

FAAC 415 Low Voltage Basic Single Kit Instruction Manual

Model: 10441811.5

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the safe and efficient installation, operation, and maintenance of the FAAC 415 Low Voltage Basic Single Kit. This kit is designed for automating single swing gates, offering reliable performance and convenience. Please read this manual thoroughly before commencing any installation or operation procedures to ensure proper functionality and to prevent potential hazards.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always disconnect power to the gate opener before performing any service or maintenance.
- Installation and wiring must be performed by qualified personnel in accordance with all local electrical codes and regulations.
- Do not allow children to play near the gate. Keep remote controls out of reach of children.
- Ensure that all safety devices, such as photocells and safety edges, are correctly installed and functioning before operating the gate.
- Never attempt to stop a moving gate with your hand or any object.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components listed below are present and undamaged. If any items are missing or damaged, contact your supplier immediately.



Image 1: Overview of FAAC 415 Low Voltage Basic Single Kit components.

This image displays the complete FAAC 415 Low Voltage Basic Single Kit. Key components visible include the linear actuator (the main grey arm), a control board (green circuit board), two photocells (black rectangular sensors), two Yuasa batteries, two remote controls (white with FAAC logo), and a metal control box enclosure.

- FAAC 415 Linear Actuator (1 unit)
- Control Board (1 unit)
- Photocells (1 pair)
- Yuasa Batteries (2 units)
- Remote Controls (2 units)
- Control Box/Enclosure (1 unit)
- Mounting Brackets and Hardware (various)

4. SETUP AND INSTALLATION

Installation of the FAAC 415 Low Voltage Basic Single Kit requires careful attention to detail and adherence to

safety guidelines. It is recommended that installation be performed by a professional installer.

4.1 Pre-Installation Checks

- Ensure the gate operates smoothly manually and is properly balanced.
- Verify that the gate structure is robust enough to support the opener.
- Confirm availability of appropriate power supply (low voltage).

4.2 Mounting the Actuator

1. Determine the optimal mounting position for the actuator on the gate and post, considering the gate's opening angle and travel.
2. Securely attach the front and rear mounting brackets using appropriate fasteners.
3. Mount the linear actuator to the brackets, ensuring it is level and aligned with the gate's movement.

4.3 Electrical Connections

1. Install the control board inside the provided control box/enclosure.
2. Connect the actuator motor wires to the designated terminals on the control board.
3. Wire the photocells and any other safety accessories to the control board as per the wiring diagram (refer to the separate wiring diagram provided with the kit).
4. Connect the Yuasa batteries to the control board for low voltage power supply and backup.
5. Connect the main low voltage power supply to the control board.

4.4 Limit Switch Adjustment

Adjust the mechanical limit switches on the actuator to define the gate's fully open and fully closed positions. Follow the specific instructions provided in the detailed wiring and adjustment guide.

5. OPERATING INSTRUCTIONS

Once installed and configured, the FAAC 415 gate opener can be operated using the provided remote controls.

5.1 Remote Control Pairing

1. Access the programming button on the control board (refer to the control board manual for exact location).
2. Press and hold the programming button until the indicator light illuminates.
3. Press the desired button on the remote control. The indicator light on the control board should flash, confirming successful pairing.
4. Repeat for additional remote controls or buttons as needed.

5.2 Basic Operation

- Pressing a paired button on the remote control will initiate the gate's movement (open or close).
- A second press during movement will typically stop the gate.
- A third press will reverse the gate's direction.
- The photocells will detect obstructions and prevent the gate from closing or reverse its movement if an object is detected in its path.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your FAAC 415 gate opener.

6.1 Monthly Checks

- Inspect the gate's mechanical components for wear, rust, or damage.
- Check all mounting points and fasteners for tightness.
- Clean the photocell lenses to ensure unobstructed operation.
- Test the safety features, including photocells, by placing an object in the gate's path during closing.

6.2 Annual Checks

- Lubricate moving parts of the gate and actuator as recommended by the gate manufacturer.
- Inspect electrical wiring for signs of damage or corrosion.
- Check the condition of the Yuasa batteries and replace if necessary (typically every 3-5 years, depending on usage and environment).

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your FAAC 415 gate opener.

Problem	Possible Cause	Solution
Gate does not respond to remote control.	Remote control batteries are dead. Remote control not paired. No power to the control board.	Replace remote control batteries. Re-pair the remote control (refer to Section 5.1). Check power supply and circuit breaker.
Gate opens but does not close.	Photocells are obstructed or misaligned. Safety edge activated.	Clear obstruction and clean photocell lenses. Realign if necessary. Check safety edge for damage or continuous activation.
Gate stops mid-movement.	Obstruction detected. Motor overheating. Mechanical binding of the gate.	Remove obstruction. Allow motor to cool down. Inspect gate for free movement; lubricate hinges if needed.

8. SPECIFICATIONS

Feature	Detail
Model Name	FAAC 415 Low Voltage Basic Single Kit
Model Number	10441811.5
Manufacturer	FAAC
ASIN	B06Y1KVQJ2
Voltage Type	Low Voltage

Feature	Detail
Application	Single Swing Gate Automation
First Available	August 31, 2017

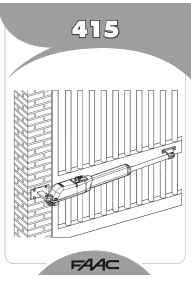
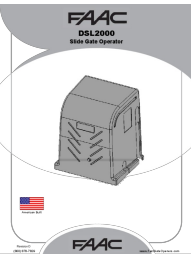
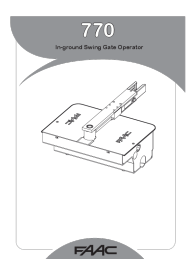
9. WARRANTY AND SUPPORT


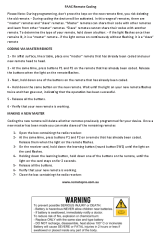
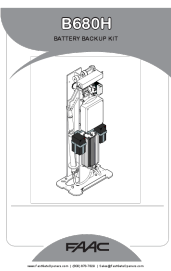
The FAAC 415 Low Voltage Basic Single Kit is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official FAAC website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact your authorized FAAC dealer or the FAAC customer service department. Contact information can typically be found on the manufacturer's website or in the product packaging.

© 2023 FAAC. All rights reserved. Information subject to change without notice.

Related Documents - 415 Low Voltage Basic Single Kit 10441811.5

	<p>FAAC 415: Guida per l'Installatore di Automazione Cancelli Battenti</p> <p>Manuale di installazione completo per l'automazione FAAC 415, fornendo istruzioni dettagliate, normative di sicurezza e specifiche tecniche per l'installazione professionale di operatori per cancelli a battente.</p>
	<p>FAAC DSL2000 Slide Gate Operator Installation Manual</p> <p>Comprehensive installation manual for the FAAC DSL2000 Slide Gate Operator, covering safety, installation, electrical connections, adjustments, accessories, and troubleshooting. Includes UL325 compliance information.</p>
	<p>FAAC 770 In-Ground Swing Gate Operator: Installation, Control Board, and Maintenance Manual</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>FAAC S418 Electromechanical Swing Gate Operator Installation and Operation Manual</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>FAAC Remote Coding Instructions: Master & Slave Remote Programming Guide</p> <p>Comprehensive guide on how to code FAAC remotes, distinguishing between master and slave units. Includes step-by-step instructions for programming new remotes and making a new master remote, along with essential battery safety warnings.</p>
	<p>FAAC B680H Battery Backup Kit: Installation, Wiring, and Operation</p> <p>A comprehensive guide to the FAAC B680H Battery Backup Kit, covering its components, installation steps, wiring instructions, operational details, and limited warranty for FAAC gate operator systems.</p>