

FAAC 455D 790917

FAAC 455D 790917 Control Unit for 230V Swing Gate Motors

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the **FAAC 455D 790917 Control Unit**. This unit is designed to manage 230V swing gate automation systems. Please read this manual carefully before installation and operation to ensure proper function and safety.

2. SAFETY INSTRUCTIONS

- Installation must be performed by qualified personnel in compliance with local electrical safety regulations.
- Always disconnect the main power supply before performing any installation, maintenance, or troubleshooting.
- Ensure all electrical connections are secure and properly insulated.
- Keep hands, clothing, and other objects clear of moving gate parts during operation.
- Do not allow children to play near the gate or with the control devices.
- Install appropriate safety devices such as photocells and safety edges to prevent injury or damage.

3. PACKAGE CONTENTS

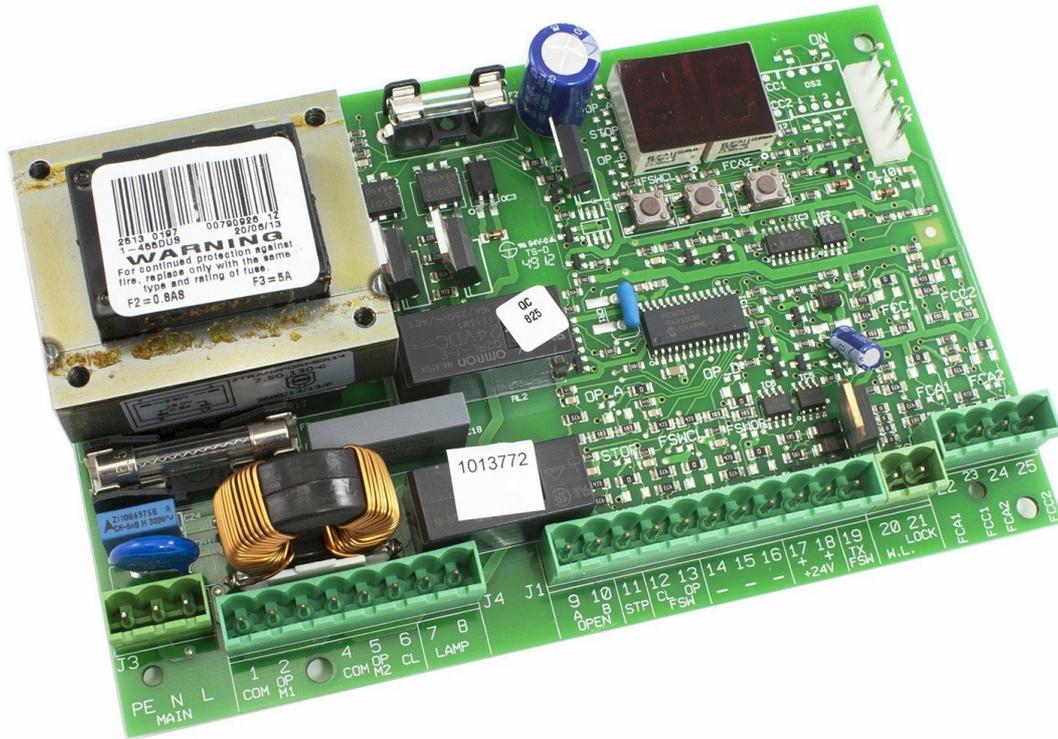
Verify that your package contains the following items:

- FAAC 455D 790917 Control Unit (1 unit)
- Instruction Manual (this document)

4. SETUP

4.1. Mounting the Control Unit

Select a suitable, weather-protected enclosure for the control unit. Ensure adequate ventilation and protection from moisture. Mount the unit securely using appropriate fasteners. The enclosure should be easily accessible for maintenance but secure from unauthorized access.



This image displays the FAAC 455D 790917 control unit, a compact electronic board designed for managing 230V swing gate motors. It features various terminals for power input, motor connections, safety devices, and accessories.

4.2. Electrical Connections

All electrical connections must be made with the main power supply disconnected.

- **Power Supply:** Connect the 230V AC mains power supply to the designated terminals. Ensure the power supply is protected by an appropriate circuit breaker and residual current device (RCD).
- **Motor Connections:** Connect the 230V swing gate motor(s) to the motor output terminals as per the wiring diagram provided with the unit. Ensure correct phasing for motor direction.
- **Safety Devices:** Connect photocells, safety edges, and emergency stop buttons to their respective terminals. These devices are crucial for safe operation.
- **Accessories:** Connect remote control receivers, keypads, intercom systems, and other control devices to the appropriate input terminals.

4.3. Initial Programming

Refer to the detailed wiring diagrams and programming instructions provided with the unit for initial setup, motor calibration, and remote control pairing. This process typically involves setting motor parameters, operating logic, and learning remote controls.

5. OPERATING THE GATE

5.1. Basic Operation

Once installed and programmed, the gate can be operated via remote control, keypad, or other connected access control devices. A single command typically initiates an open/close cycle. Subsequent commands may pause or reverse the gate movement depending on the programmed logic.

5.2. Emergency Stop

In case of emergency, activate the emergency stop button (if installed) to immediately halt gate movement. This button should be clearly visible and easily accessible.

5.3. Manual Release

In case of power failure or malfunction, use the gate's manual release mechanism to operate it manually. Refer to your specific gate motor's manual for the correct procedure to disengage the motor and move the gate by hand.

6. MAINTENANCE

6.1. Regular Checks

Periodically inspect all electrical connections for signs of wear, corrosion, or loose terminals. Check the physical condition of the control unit and its enclosure for any damage or ingress of moisture.

6.2. Cleaning

Keep the control unit and its enclosure clean and free from dust, insects, and debris. Do not use abrasive cleaners, solvents, or high-pressure water, as these can damage the electronic components.

6.3. Professional Inspection

It is recommended to have the entire gate automation system, including the control unit, inspected by a qualified technician at least once a year to ensure optimal performance and safety.

7. TROUBLESHOOTING

- **Gate Not Responding:** Check the main power supply, ensure the remote control battery is functional, and verify all safety device connections (e.g., photocells are not obstructed).
- **Gate Stops Mid-Cycle:** This often indicates activation of a safety device. Check photocells for obstructions, inspect safety edges, and ensure no mechanical obstructions are impeding gate movement.

- **Irregular Operation:** If the gate operates erratically or not as expected, consult the detailed programming section of the manual to verify settings, motor calibration, and limit switch adjustments.
- **No Power to Control Unit:** Check the circuit breaker and RCD for the gate's power supply. Ensure all power connections to the control unit are secure.

If problems persist after performing these checks, contact a qualified technician for assistance.

8. SPECIFICATIONS

Manufacturer	FAAC
Model	455D 790917
Product Type	Control Unit for 230V Swing Gate Motors
Package Dimensions	20 x 13 x 7 cm
Weight	700 grams
Quantity	1 item
Batteries Included/Required	No
ASIN	B01JGCAAAC
Date First Available	April 27, 2022

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact your authorized FAAC dealer or the point of purchase. Keep your purchase receipt as proof of purchase. Do not attempt to repair the control unit yourself, as this may void the warranty and pose safety risks.