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FAAC 105998

FAAC HANDY Kit 105998 24V Automatic Gate Opener User Manual

Model: 105998 | Manufacturer Reference: 230813862800

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your FAAC HANDY Kit 105998 24V Automatic Gate Opener. Please read this manual carefully before beginning installation or operation to ensure safe and correct use of the product. Keep this manual for future reference.

PRODUCT OVERVIEW AND COMPONENTS

The FAAC HANDY Kit 105998 is an electromechanical automation system designed for swing gates with individual leaf widths up to 2.3 meters, suitable for residential use. The kit includes advanced safety features and user-friendly components.



An image showing the FAAC HANDY Kit 105998 components, including the main control unit, two S418 24V actuators, a FAACLIGHT 24V flashing light, an XT2 433 SLH two-channel transmitter, XP 15 B photocells, a T10 E key switch, and mounting brackets, all neatly arranged outside its packaging.

The kit typically includes the following main components:

- **2x S418 Actuators (24V):** Electromechanical arms for gate movement.
- **1x E024S Control Unit with Enclosure:** The central electronic brain of the system.
- **1x XF433 Frequency Module:** For radio signal reception.
- **1x FAACLIGHT Flashing Light (24V):** Indicates gate movement.
- **1x XT2 433 SLH Two-Channel Transmitter:** Remote control for gate operation.
- **1x Pair of XP 15 B Photocell Sensors:** Safety devices to detect obstacles.
- **1x T10 E Key Switch:** Manual override or access control.
- **1x "Automatic FAAC" Sign:** Warning sign for automated gate.
- **Mounting Brackets and Hardware:** For installation of actuators and other components.

SAFETY INFORMATION

Important: Incorrect installation or use can lead to serious injury or property damage. Always follow local safety regulations and standards. This system operates on 24V, but installation involves electrical connections. If you are not qualified, consult a professional electrician or installer.

- Ensure all power is disconnected before performing any installation or maintenance.
- Keep children and pets away from the gate area during operation.
- Do not attempt to repair or modify components unless specifically instructed in this manual.
- The anti-crushing device and photocells are critical safety features; ensure they are correctly installed and functioning.

SETUP AND INSTALLATION

Installation of the FAAC HANDY Kit requires mechanical and electrical expertise. Refer to the detailed wiring diagrams and mounting templates provided in the separate installation guide (not included in this manual but essential for setup).

1. Mounting Actuators:

Position the S418 actuators on the gate posts and gate leaves using the multi-position adjustable brackets. The long stroke (350mm) allows for flexible installation. Ensure correct alignment for smooth gate movement.

2. Control Unit Installation:

Mount the E024S control unit in a protected, accessible location near the gate. Connect all power, motor, and accessory wiring according to the provided electrical schematics.

3. Safety Device Connection:

Install and connect the XP 15 B photocells and FAACLIGHT flashing light. Test their functionality to ensure they detect obstacles and signal gate operation correctly.

4. Transmitter Programming:

Program the XT2 433 SLH transmitter with the XF433 frequency module. The Self-Learning Hopping Code (SLH) technology allows for easy duplication from transmitter to transmitter (FAAC patent).

5. Initial Configuration:

Configure the control unit settings, including gate travel limits, anti-crushing sensitivity, and automatic closing times, as per the specific requirements of your gate and local regulations.

OPERATING INSTRUCTIONS

Once installed and configured, the FAAC HANDY Kit is designed for straightforward operation.

- **Remote Control (Transmitter):** Press the designated button on your XT2 433 SLH transmitter to open or close the gate. A second press during movement will stop the gate.
- **Key Switch:** Insert and turn the key in the T10 E key switch to operate the gate manually or to override automatic functions.
- **Safety Features:** The electronic encoder and anti-crushing device will reverse the gate's direction if an obstacle is detected during closing. The photocells will prevent the gate from closing if an object is in its path.
- **Flashing Light:** The FAACLIGHT will flash whenever the gate is in motion, providing a visual warning.

MAINTENANCE

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

- **Monthly:**
 - Inspect the gate's mechanical components (hinges, wheels) for wear and tear.
 - Clean the photocell lenses to ensure unobstructed operation.
 - Test the safety features (photocells, anti-crushing) by placing an object in the gate's path during closing.
- **Annually:**
 - Check all electrical connections for corrosion or looseness.
 - Lubricate moving parts of the gate and actuators as recommended by the manufacturer.
 - Verify the integrity of mounting brackets and hardware.

For any complex maintenance or repairs, it is recommended to contact a qualified technician.

TROUBLESHOOTING

This section addresses common issues you might encounter with your FAAC HANDY Kit.

Problem	Possible Cause	Solution
Gate does not respond to remote.	<ul style="list-style-type: none">• Dead transmitter battery.• Transmitter out of range.• Frequency module issue.	<ul style="list-style-type: none">• Replace transmitter battery.• Move closer to the gate.• Re-program transmitter or check XF433 module connection.
Gate stops or reverses unexpectedly.	<ul style="list-style-type: none">• Obstacle detected by photocells.• Anti-crushing system triggered.• Photocells are dirty or misaligned.	<ul style="list-style-type: none">• Remove any obstacles.• Check gate path for resistance.• Clean and realign photocells.

Problem	Possible Cause	Solution
Gate operates slowly or with difficulty.	<ul style="list-style-type: none">• Mechanical friction in gate hinges.• Low voltage supply.• Actuator wear.	<ul style="list-style-type: none">• Lubricate gate hinges and moving parts.• Check power supply to the control unit.• Contact a technician for inspection.

If the problem persists after attempting these solutions, please contact qualified technical support.

SPECIFICATIONS





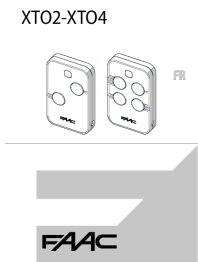
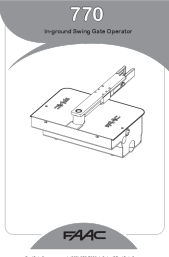
Product Model	FAAC HANDY Kit 105998
Manufacturer Reference	230813862800
Brand	FAAC (Kit components), Dieffematic (Manufacturer)
Voltage	24 V
Max. Gate Leaf Width	2.3 meters per leaf
Actuator Stroke	350 mm
Safety Features	Anti-crushing device, Electronic encoder with obstacle reversal, Photocell sensors
Transmitter Technology	Self-Learning Hopping Code (SLH)

WARRANTY AND SUPPORT

Information regarding product warranty and specific support contacts is not available in the provided product data. Please refer to your purchase documentation or contact the retailer/manufacturer directly for details on warranty coverage and technical assistance.

OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were found in the provided data. For visual guides or demonstrations, please check the manufacturer's official website or authorized channels.

	<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 XT2-XT4 868 SLH/SLH LR Transmitter Programming and Operation Guide</p> <p>Comprehensive guide to programming and operating FAAC XT2 and XT4 868 SLH/SLH LR gate remote transmitters, including master/slave recognition and coding procedures.</p>
	<p>FAAC XT2-XT4 868 SLH - SLH LR Remote Control Programming Guide</p> <p>This document provides instructions for programming and using the FAAC XT2-XT4 868 SLH - SLH LR remote control system, including identifying master/slave transmitters, system coding, and transmitter coding.</p>
	<p>FAAC S418 Swing Gate Operator - Installation and Operation Manual</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>
<p>XT02-XT04</p> 	<p>FAAC XT02-XT04 Remote Control User Manual</p> <p>Comprehensive user manual for FAAC XT02 and XT04 remote controls, covering product information, identification, procedures for SLH, RC, SL, and DS coding, and maintenance like battery replacement and factory reset.</p>
<p>770</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>