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› TFCFL Dual Swing Gate Opener User Manual

TFCFL MK 1101

TFCFL Dual Swing Gate Opener User Manual

Model: MK 1101

1. INTRODUCTION

Thank you for choosing the TFCFL Dual Swing Gate Opener. This automatic gate motor system is designed to provide convenient and secure access for double swing gates, fences, and garage doors. This manual provides essential information for the safe installation, operation, and maintenance of your new gate opener.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury or death.

- Read and understand all instructions before installation and operation.
- Installation must be performed by qualified personnel in accordance with all local electrical and building codes.
- Ensure the power supply is disconnected before performing any installation, maintenance, or repair work.
- Keep hands, feet, and clothing clear of the gate and opener mechanism during operation.
- Do not allow children to play with or operate the gate opener or its remote controls.
- Regularly inspect the gate opener for signs of wear, damage, or misalignment.
- The control box must be installed in a location where it is protected from direct water exposure. The protection level of the system is IP44, indicating protection against solid objects larger than 1mm and splashing water from any direction.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 2 x Gate Opener Arms
- 1 x Control Box
- 2 x Remote Controls
- 1 x English Manual
- All Accessories for Assembly (Mounting Brackets, Bolts, Pins, etc.)



Image: Overview of the TFCFL Dual Swing Gate Opener system components and an example installation.

4. PRODUCT OVERVIEW

The TFCFL Dual Swing Gate Opener system consists of two robust aluminum alloy gate opener arms, a central control box, and two remote controls for convenient operation. Each arm is powered by a high-quality 24VDC motor, designed for durability and smooth operation.



Image: The two gate opener arms.



Image: The control box, which houses the main electronics.



Image: The two remote controls provided with the system.



Image: Detail of the gate opener arm, highlighting the model number and manual release.

5. SPECIFICATIONS

Feature	Specification
Material	Aluminum Alloy
Voltage	110V, 50Hz
Power/Single Arm	50W 24VDC
Motor Running Speed	1.6 cm/s (0.63 inch/s)
Motor Stroke	38.5 cm (15.16 inch)
Maximum Door Load	300 kg (661.39 lbs)

Feature	Specification
Operating Conditions	-220C ~ +550C
Protection Level	IP44
Recommended Uses	Commercial buildings, high-traffic areas, residential settings
Installation Type	Screw-In

6. SETUP (INSTALLATION)

Proper installation is crucial for the safe and efficient operation of your gate opener. It is highly recommended that installation be performed by a professional or someone with experience in electrical and mechanical systems.

6.1 Mounting the Gate Opener Arms

Securely mount the two gate opener arms to your gate and gate posts using the provided mounting brackets and hardware. Ensure the arms are level and aligned correctly for smooth gate movement. The design allows for direct connection to sensors via wiring pins.



Image: Mounting brackets and hardware.



Image: Assorted bolts and pins for assembly.

6.2 Wiring the Control Box

Connect the gate opener arms and power supply to the control box according to the wiring diagram provided in the detailed English manual (included in the package). The control box features a copper coil transformer for powerful and smooth operation. Ensure all connections are secure and insulated.

7. OPERATING INSTRUCTIONS

The TFCFL Dual Swing Gate Opener offers multiple operating modes for flexibility and convenience.

7.1 Remote Control Operation

Use the provided remote controls to open and close your gate. Pressing the designated button on the remote will activate the gate opener. Ensure you are within range and have a clear line of sight to the gate for optimal performance.

7.2 Operating Modes

The system supports four distinct operating modes, which can be configured via the control box settings:

- **Automatic Mode:** The gate will automatically close after a set period.
- **Normally Open State:** The gate remains open until a close command is issued.
- **Common State:** Standard open/close operation.
- **Half-Open State:** Allows one gate leaf to open partially for pedestrian access.

Refer to the detailed English manual for instructions on how to select and configure these modes.

8. MAINTENANCE

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

- **Cleaning:** Keep the gate opener arms and control box free from dirt, debris, and obstructions.
- **Inspection:** Periodically check all mounting hardware, bolts, and electrical connections for tightness and signs of corrosion or wear.
- **Lubrication:** The gate opener arms feature a sealed structure and do not require oil leakage or external lubrication.
- **Gate Condition:** Ensure your gate moves freely and is not binding or dragging, as this can put undue stress on the

opener.

9. TROUBLESHOOTING

If you encounter issues with your TFCFL Dual Swing Gate Opener, consider the following general troubleshooting steps:

- **No Power:** Check the main power supply and all electrical connections to the control box. Ensure the circuit breaker has not tripped.
- **Remote Not Working:** Verify the remote control batteries are functional. Ensure the remote is paired correctly with the control box.
- **Gate Not Moving Smoothly:** Inspect the gate hinges and wheels for obstructions or damage. Check if the gate opener arms are properly aligned and free of debris.
- **Unusual Noises:** Disconnect power and inspect the mechanical components for any loose parts or obstructions.

For detailed troubleshooting steps and error codes, please refer to the comprehensive English manual provided with your product.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact the TFCFL customer service department. Refer to the contact details provided in the original product packaging or on the official TFCFL website.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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