

BFT PhobosKit BT Swing Gate Operator Residential (Model: BFT-PhobosKit-BT-Swing-Gate-TD)

BFT PhobosKit BT Swing Gate Operator Residential: Instruction Manual

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1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of the BFT PhobosKit BT Swing Gate Operator Residential. Please read this manual thoroughly before beginning any installation or operation procedures. Proper understanding and adherence to these instructions are crucial for the longevity and safe functioning of the gate operator system.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Installation and repair must be performed by qualified personnel only.
- Disconnect power before performing any service or maintenance.
- Ensure all electrical connections comply with local and national electrical codes.
- Keep hands and loose clothing away from moving parts.
- Do not allow children to play near the gate or operate the controls.
- The gate operator is designed for swing gates only. Do not use for other applications.

3. PRODUCT OVERVIEW AND COMPONENTS

The BFT PhobosKit BT Swing Gate Operator Residential is a comprehensive kit designed for automating residential swing gates. The kit includes the following main components:

- **Linear Actuator:** The primary mechanism for opening and closing the gate.
- **Control Board:** The electronic brain of the system, managing all operations.
- **Cabling:** For electrical connections and communication between components.

- **Reflective Photocell:** A safety device to detect obstructions in the gate's path.
- **Radio Transmitters (2 units):** For remote control of the gate operator.
- **Mounting Brackets:** For securing the actuator to the gate and post.



Figure 1: Main components of the BFT PhobosKit BT Swing Gate Operator. Shown are the linear actuator, the control board enclosure, two radio transmitters, and a reflective photocell.

4. SETUP AND INSTALLATION

Installation of the BFT PhobosKit BT Swing Gate Operator requires careful planning and adherence to electrical and mechanical safety standards. It is recommended that installation be performed by a certified professional.

4.1 Site Preparation

- Ensure the gate operates smoothly manually before installing the operator.
- Clear any obstructions from the gate's swing path.
- Verify adequate space for the actuator and control board.

4.2 Mounting the Actuator

Securely attach the linear actuator to the gate and post using the provided mounting brackets. Ensure the actuator is level and aligned correctly to prevent undue stress on the gate and operator.

4.3 Electrical Connections

The system operates on 24VDC, powered by a 120VAC input. Connect the control board to the main power supply and the actuator according to the wiring diagram provided in the separate detailed installation guide. Install the reflective photocell and radio receiver as per instructions to ensure proper safety and remote control functionality.

5. OPERATING INSTRUCTIONS

Once installed and configured, the BFT PhobosKit BT Swing Gate Operator can be operated using the provided radio transmitters.

5.1 Remote Control Operation

- Press the designated button on the radio transmitter to open or close the gate.
- A second press during operation will typically stop the gate. A third press will reverse its direction.
- Ensure a clear line of sight to the gate and that no obstructions are present before operating.

5.2 Safety Features

The system includes a reflective photocell that detects obstructions. If an obstruction is detected while the gate is closing, the gate will stop and reverse. The built-in thermal overload and torque limiting features protect the motor from damage due to excessive force or overheating.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your gate operator.

- **Monthly:** Inspect the gate's movement for any signs of friction or misalignment. Check all mounting hardware for tightness.
- **Quarterly:** Clean the reflective photocell lenses to ensure proper operation. Check electrical connections for corrosion or damage.
- **Annually:** Have a qualified technician inspect the entire system, including motor, gears, and safety devices.

7. TROUBLESHOOTING

If you encounter issues with your gate operator, refer to the following common troubleshooting steps:

- **Gate not responding to remote:** Check remote battery. Ensure the receiver is powered and connected.
- **Gate stops unexpectedly:** Check for obstructions in the gate's path, especially near the photocell. Clean photocell lenses.
- **Gate moves slowly or with difficulty:** Inspect the gate hinges and wheels for friction. Ensure the actuator is not obstructed.
- **No power:** Check the main power supply and circuit breaker.

For persistent issues, contact a qualified service technician.

8. SPECIFICATIONS




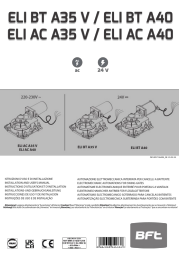
Feature	Specification
Brand	BFT
Model Number	BFT-PhobosKit-BT-Swing-Gate-TD
Voltage	24VDC (Input: 120VAC)
Motor Power	40W
Operation Grade	Residential
Cycle Capacity	60 Cycles/Day
Max. Gate Length	16-1/2 Ft.
Max. Gate Weight	550 Lbs.
Dimensions (H x D x W)	4 In. x 3-1/8 In. x 37-1/8 In.
Safety Features	Built-in Thermal Overload and Torque Limited
Standards	UL325

Feature	Specification
ASIN	B01M8LOJ40

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact BFT customer support directly. Technical support and service inquiries should be directed to your authorized BFT dealer or installer.

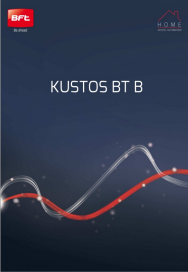
Related Documents - PhobosKit BT Swing Gate Operator Residential (Model: BFT-PhobosKit-BT-Swing-Gate-TD)

	<p>BFT Phobos BT A25/A40 Piston Automations for Swing Gates Installation Manual</p> <p>Comprehensive installation manual for BFT Phobos BT A25 and A40 piston automations for swing gates. Covers safety instructions, technical specifications, installation diagrams, wiring, and maintenance.</p>
	<p>BFT Phobos BT Kit UL Quick Reference Guide</p> <p>Quick reference guide for the BFT Phobos BT Kit UL automatic gate opener system, covering installation, wiring, programming, and troubleshooting.</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>BFT ELI BT A35 V / ELI BT A40 & ELI AC A35 V / ELI AC A40 Installation and User Manual</p> <p>Comprehensive guide for the installation and use of BFT ELI BT A35 V, ELI BT A40, ELI AC A35 V, and ELI AC A40 electromechanical actuators for swing gates. Covers safety instructions, installation procedures, technical data, and maintenance.</p>



[LiftMaster RSW12U Vehicular Swing Gate Operator Installation Manual](#)

Comprehensive installation manual for the LiftMaster RSW12U Residential DC Vehicular Swing Gate Operator. This guide covers safety precautions, gate construction information, installation steps, adjustments, programming, maintenance, and troubleshooting for the RSW12U model.



[BFT Kustos BT B Gate Automation System](#)

Discover the BFT Kustos BT B electromechanical automation system for swing gates. This document outlines its features, technical specifications, and compatible accessories, highlighting the U-Link technology for smart home integration.