

BFT Deimos BT

BFT Deimos BT Slide Gate Opener KIT User Manual

Model: Deimos BT | Brand: BFT

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your BFT Deimos BT Slide Gate Opener KIT. Please read this manual thoroughly before proceeding with any installation or operation to ensure proper functionality and safety.

2. IMPORTANT SAFETY INFORMATION

WARNING: A Moving Gate Has The Potential Of Inflicting Serious Injury Or Death.

- Persons are to keep clear of the gate area. The gate is able to be moved without warning.
- Do not let children operate the gate or play in the gate area.
- Persons are to operate the gate only when the gate area is in sight and free of people and obstructions.
- Always ensure all safety devices (photocells, safety edges, etc.) are functioning correctly before operating the gate.
- Installation and maintenance should only be performed by qualified personnel.

3. PACKAGE CONTENTS

The BFT Deimos BT Slide Gate Opener KIT includes the following components. Please verify all items are present and undamaged upon receipt.

Voltage	24V DC - 120V AC
Motor Power	70W
Operation Grade	Residential Grade
Daily Cycle Rating	100 Cycles/Day
Max. Gate Capacity	Up to 1100 Lbs.
Dimensions (H x D x W)	10 3/8 in x 9 3/4 in x 6 1/3 in
Safety Features	Built-In Thermal Overload, Torque Limited, Adjustable Electronic Torque Limiter
Standards Compliance	UL325
Control Unit	Incorporated, performs pre-maneuver checks

5. SETUP AND INSTALLATION

The BFT Deimos BT actuator offers versatile installation due to its compact design and adjustable features. Professional installation is highly recommended to ensure proper functionality and adherence to safety standards.

5.1 Mounting the Operator

- Position the operator unit on a stable, level surface adjacent to the gate.
- Utilize the height and depth adjustments available on the unit to align it correctly with the gate's rack.
- Securely fasten the operator unit using appropriate mounting hardware.

5.2 Installing the Rack

- Attach the provided rack sections along the length of the gate, ensuring proper engagement with the operator's pinion.
- Maintain a small clearance between the rack and the pinion to allow for smooth operation and thermal expansion.

5.3 Electrical Connections

- Connect the power supply (24V DC - 120V AC) to the integrated control board according to the wiring diagram provided in the full installation manual.
- Connect the photocells and any other safety devices to the designated terminals on the control board.
- Ensure all connections are secure and properly insulated.

5.4 Limit Switch Adjustment

- Adjust the electromechanical limit microswitches to define the gate's fully open and fully closed positions.
- Test the limits to ensure the gate stops precisely at the desired points.

6. OPERATING INSTRUCTIONS

The BFT Deimos BT gate opener is designed for user-friendly operation once properly installed and configured.

6.1 Standard Operation

- Use the provided remote transmitter to send open/close commands to the gate opener.
- The integrated control panel performs a check of operation relays and safety devices (photocells, rubber skirt, safety edge) before each maneuver to ensure safe operation.

6.2 Emergency Manual Release

In case of power failure or malfunction, the gate can be operated manually:

- Locate the emergency manual release knob on the operator unit.
- Turn or pull the knob as indicated on the unit to disengage the motor and allow manual movement of the gate.
- To re-engage, reverse the action of the knob.

7. MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your BFT Deimos BT gate opener.

- **Monthly:** Inspect the gate and operator for any signs of wear, damage, or obstruction. Ensure the gate moves freely without excessive friction.
- **Quarterly:** Clean the photocell lenses to ensure clear visibility. Check all electrical connections for tightness and corrosion.
- **Annually:** Have a qualified technician inspect the entire system, including motor, gears, safety devices, and electrical components.
- Keep the area around the gate and operator clear of debris, vegetation, and other obstructions.

8. TROUBLESHOOTING

This section provides solutions to common issues. For more complex problems, consult a qualified technician or the full product manual.

Problem	Possible Cause	Solution
Gate does not respond to remote	Dead remote battery, power outage, safety device activated	Replace remote battery, check power supply, inspect photocells for obstructions or misalignment.
Gate stops unexpectedly	Obstruction detected, safety device triggered, motor overload	Remove obstructions, check safety devices, allow motor to cool if overheated.
Gate moves slowly or with difficulty	Friction in gate mechanism, low voltage, worn components	Lubricate gate components, check power supply, consult technician for component inspection.




9. WARRANTY AND SUPPORT



The BFT Deimos BT Slide Gate Opener KIT is manufactured by BFT. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact BFT customer support directly.

For technical assistance, spare parts, or professional service, please contact your authorized BFT dealer or the seller from whom you purchased the product.

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Related Documents - Deimos BT

	<p>BFT Deimos Ultra BT A 400/A 600 Sliding Gate Operator Manual</p> <p>Installation and user manual for BFT Deimos Ultra BT A 400 and A 600 automatic sliding gate operators. Covers setup, operation, and programming for rack sliding gates.</p>
	<p>BFT DEIMOS BT B 400/600 Gate Operator Installation and User Manual</p> <p>This manual provides comprehensive instructions for the installation, wiring, setup, and operation of the BFT DEIMOS BT B 400 and DEIMOS BT B 600 automatic gate operator systems.</p>
	<p>BFT DEIMOS BT + QSC D MA Sliding Gate Actuator Installation and User Manual</p> <p>Comprehensive installation and user manual for the BFT DEIMOS BT + QSC D MA low-voltage sliding gate actuator. This guide provides detailed technical specifications, safety instructions, wiring diagrams, menu navigation, and operational settings for gate automation systems.</p>
	<p>BFT DEIMOS ULTRA BT A 400/A 600: Manuale di Installazione e Uso</p> <p>Manuale completo per l'installazione e l'uso degli attuatori per cancelli scorrevoli BFT DEIMOS ULTRA BT A 400 e DEIMOS ULTRA BT A 600. Include guide dettagliate, schemi elettrici e configurazione dei parametri.</p>

	<p>BFT Deimos Ultra BT A400/A600 Sliding Gate Actuator Installation Manual</p> <p>Installation and user manual for BFT Deimos Ultra BT A400 and A600 rack sliding gate actuators. Covers setup, programming, and operation for reliable gate automation.</p>
	<p>BFT DEIMOS BT UL/CSA Electromechanical Gate Automation System</p> <p>Discover the BFT DEIMOS BT UL/CSA, an electromechanical automation system for rack sliding gates. Featuring smart technology, 24V safe operation, and simplified installation, this system enhances gate security and convenience. Explore its technical specifications and available accessories for residential and commercial applications.</p>