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## BFT P125020

# BFT P125020 BBT Battery Kit for Actuators - Instruction Manual

Model: P125020

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of the BFT P125020 BBT Battery Kit. This kit is designed to provide backup power to compatible BFT gate or door actuators, ensuring continued operation during power outages. Please read this manual thoroughly before proceeding with installation or use. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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**WARNING:** Failure to follow these safety instructions could result in electric shock, fire, serious injury, or death.

- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Disconnect main power to the actuator before installing or servicing the battery kit.
- Do not expose the battery kit to moisture, rain, or extreme temperatures.
- Ensure proper ventilation around the battery kit.
- Do not short-circuit the battery terminals.
- Dispose of old batteries according to local environmental regulations.
- Use only genuine BFT replacement parts and accessories.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged before beginning installation.

- BFT P125020 BBT Battery Kit (main unit)
- Connection cables (if applicable, check packaging)
- Mounting hardware (if applicable, check packaging)

*Note: Specific contents may vary slightly. Refer to your product packaging for an exact list.*

## 4. SETUP AND INSTALLATION

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This section outlines the general steps for installing the BFT P125020 BBT Battery Kit. Always refer to the specific wiring diagrams provided with your BFT actuator control unit for precise connection details.

### 4.1 Tools Required

- Screwdrivers (Phillips and flathead)
- Wire strippers/cutters
- Multimeter (for verification)
- Drill (if mounting)

### 4.2 Installation Steps

1. **Power Disconnection:** Ensure the main power supply to the BFT actuator control unit is completely disconnected and locked out. Verify with a multimeter.
2. **Mounting (Optional):** If the battery kit requires mounting, select a suitable location near the actuator control unit, ensuring it is protected from weather and has adequate ventilation. Secure the kit using appropriate mounting hardware.
3. **Connect to Control Unit:** Locate the dedicated battery connection terminals on your BFT actuator control unit. These are typically labeled for battery input.
4. **Wire Connections:** Connect the positive (+) terminal of the battery kit to the positive (+) battery input terminal on the control unit. Connect the negative (-) terminal of the battery kit to the negative (-) battery input terminal on the control unit. Ensure all connections are secure and correctly polarized.
5. **Secure Wiring:** Route and secure all wiring to prevent accidental disconnection or damage.
6. **Initial Charge:** Once connected, restore main power to the actuator control unit. The battery kit will begin charging automatically. Allow sufficient time for the initial charge before relying on battery backup.



**Figure 1:** BFT P125020 BBT Battery Kit. This image shows the compact design of the battery kit, which provides essential backup power for BFT gate and door actuators.

## 5. OPERATING INSTRUCTIONS

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The BFT P125020 BBT Battery Kit operates automatically once correctly installed and connected to a compatible BFT actuator control unit.

- **Automatic Charging:** When main power is supplied to the actuator control unit, the battery kit will automatically charge its internal batteries.
- **Power Backup:** In the event of a main power failure, the battery kit will seamlessly provide power to the actuator, allowing for continued operation for a limited number of cycles, depending on the battery charge level and actuator usage.
- **Low Battery Indication:** Some BFT control units may provide an indication of low battery status. Refer to your actuator's control unit manual for specific details.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and reliable operation of your BFT P125020 BBT Battery Kit.

- **Visual Inspection:** Periodically inspect the battery kit and its connections for any signs of damage, corrosion, or loose wiring.
- **Cleaning:** Keep the battery kit clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Batteries have a limited lifespan. If the battery kit no longer provides adequate backup power, the internal batteries may need replacement. Contact BFT support or a qualified technician for battery replacement.
- **Environmental Conditions:** Ensure the battery kit remains within its specified operating temperature range and is protected from direct sunlight and moisture.

## 7. TROUBLESHOOTING

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If you experience issues with your BFT P125020 BBT Battery Kit, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Actuator does not operate during power outage.	Battery kit not charged; faulty connections; depleted batteries.	<ul style="list-style-type: none"><li>◦ Verify main power is restored and battery kit has had time to charge.</li><li>◦ Check all wiring connections for security and correct polarity.</li><li>◦ If batteries are old, they may need replacement.</li></ul>
Battery kit not charging.	No main power to control unit; faulty connection to control unit; internal fault.	<ul style="list-style-type: none"><li>◦ Ensure main power to the actuator control unit is active.</li><li>◦ Inspect connections between battery kit and control unit.</li><li>◦ If problem persists, contact BFT support.</li></ul>
Reduced backup operation time.	Batteries are aging or not fully charged.	<ul style="list-style-type: none"><li>◦ Allow sufficient time for batteries to fully charge.</li><li>◦ Consider replacing the batteries if they are several years old.</li></ul>

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact BFT technical support.

## 8. SPECIFICATIONS

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Feature	Detail
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Feature	Detail
Model Number	P125020
Manufacturer	BFT
Product Dimensions (L x W x H)	10 x 30 x 30 cm
Weight	100 Grams
Batteries Included	No ( <i>Note: This refers to separate batteries, the kit itself contains internal batteries for backup.</i> )
ASIN	B014V6TH0M

*Note: Specifications are subject to change without notice.*

## 9. WARRANTY INFORMATION

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BFT products are covered by a manufacturer's warranty against defects in materials and workmanship. The duration and terms of the warranty may vary by region and product. Please retain your proof of purchase. For detailed warranty information, refer to the official BFT website or contact your local BFT distributor.

This warranty does not cover damage caused by improper installation, misuse, neglect, unauthorized repairs, or acts of nature.

## 10. SUPPORT

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For technical assistance, spare parts, or further information regarding the BFT P125020 BBT Battery Kit, please contact BFT customer support or your authorized BFT dealer.

- **BFT Official Website:** [www.bft-automation.com](http://www.bft-automation.com)
- **Local Distributor:** Refer to the BFT website for a list of authorized distributors in your area.

When contacting support, please have your product model number (P125020) and proof of purchase readily available.

