

BFT P121011

BFT P121011 Intro Key Selector User Manual

Model: P121011

1. PRODUCT OVERVIEW

The BFT P121011 Intro Key Selector is a robust, surface-mounted key switch designed for controlling access systems, such as automatic gates or doors. It features a durable plastic construction and operates with a normally closed contact type, providing a secure and reliable control mechanism.

This device utilizes a key for activation, offering a simple on-off operational mode. It is designed for a single-circuit application and connects via screw terminals for straightforward wiring.



Figure 1: BFT P121011 Intro Key Selector. This image shows the circular key selector unit, dark gray in color, with the BFT logo at the top. Below the logo, the positions 'A', '0', and 'B' are marked around the central keyhole. Two silver keys are visible in the foreground, resting on a wooden surface.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Disconnect power to the system before performing any installation, maintenance, or troubleshooting.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not expose the device to extreme temperatures, moisture, or corrosive substances.
- Keep keys out of reach of children and unauthorized personnel.

3. SPECIFICATIONS

Feature	Specification
Brand	BFT
Model	P121011
Operating Mode	On-off
Contact Type	Normally Closed
Switch Type	Key
Terminal Type	Screw
Material	Plastic
Dimensions (LxWxH)	30 x 195 x 260 cm (Note: These dimensions seem unusually large for a key selector. Please verify with product packaging.)
Circuit Type	1 way
Mounting Type	Surface
Actuator Type	Button, Knob (Note: This refers to the key as the actuator)

4. INSTALLATION AND SETUP

4.1. Pre-Installation Checks

- Verify that all components are present and undamaged.
- Ensure the mounting surface is flat, stable, and suitable for surface mounting.
- Confirm that the power supply to the gate or access system is disconnected.

4.2. Mounting the Key Selector

1. Choose an appropriate location for the key selector, ensuring it is easily accessible but protected from potential damage.
2. Mark the drilling points on the mounting surface using the key selector's base as a template.
3. Drill pilot holes at the marked points.
4. Secure the key selector base to the surface using appropriate screws and fasteners (not included).

4.3. Wiring Connections

1. Route the necessary control cables through the designated entry points on the key selector's housing.
2. Connect the control wires to the screw terminals inside the key selector. Refer to the wiring diagram provided with your gate or access system control unit for specific connections. The key selector typically acts as a momentary contact switch.
3. Ensure all connections are tight and secure.
4. Close the key selector housing, ensuring it is properly sealed.

4.4. Post-Installation

- Restore power to the system.
- Test the key selector's functionality as described in the Operating Instructions section.

5. OPERATING INSTRUCTIONS

The BFT P121011 Intro Key Selector provides a simple, key-operated control for your access system.

1. **Insert Key:** Insert the provided key into the keyhole on the front of the selector.
2. **Activate:** Turn the key to the desired position (e.g., 'A' or 'B' if multiple functions are supported, or simply to activate the single function). The key selector is designed to provide a momentary contact closure, which signals the connected control unit to perform an action (e.g., open/close gate).
3. **Return Key:** After activation, return the key to the '0' (neutral) position and remove it. The key selector will return to its normally closed state.

The specific action triggered by turning the key (e.g., opening, closing, or stopping a gate) depends on how the key selector is wired to the main control unit of your access system.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your BFT P121011 Intro Key Selector.

- **Cleaning:** Periodically clean the exterior of the key selector with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Keyhole Inspection:** Ensure the keyhole remains free of debris. If necessary, use a small, soft brush to clear any obstructions. Avoid using lubricants that may attract dust.
- **Wiring Check:** Annually, or if issues arise, disconnect power and inspect the wiring connections inside the unit for any signs of corrosion or loosening. Re-tighten connections as needed.
- **Key Condition:** Inspect the keys for wear or damage. Worn keys may not operate the selector smoothly or reliably.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Key selector does not activate the system.	No power to the control unit. Incorrect wiring. Faulty key selector contacts.	Check power supply to the main control unit. Verify wiring connections against the system's diagram. Test the key selector's contacts with a multimeter. Replace if faulty.
Key is difficult to turn or remove.	Debris in keyhole. Worn key or lock mechanism.	Clean keyhole with a soft brush. Try a different key. If issue persists, the lock mechanism may need replacement.
Intermittent operation.	Loose wiring connections. Environmental interference.	Check and tighten all wiring connections. Ensure the unit is properly sealed and protected from elements.

8. WARRANTY AND SUPPORT

Specific warranty information for the BFT P121011 Intro Key Selector is typically provided at the point of purchase or within the product packaging. Please refer to your purchase documentation for details regarding warranty coverage and duration.

For technical support, spare parts, or service inquiries, please contact your authorized BFT dealer or the BFT customer service department. Contact information can usually be found on the BFT official website or in the product's original documentation.