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Dieffematic I30013810001

Dieffematic BFT Opavenere Smart BT A I300138 10001 Control Unit User Manual

Model: I30013810001

Introduction

This manual provides essential information for the correct installation, operation, and maintenance of the Dieffematic BFT Opavenere Smart BT A I300138 10001 control unit. This unit is designed for controlling automatic gate systems. Please read this manual carefully before proceeding with any installation or operation.

Safety Information

- **Qualified Personnel Only:** Installation and maintenance must be performed by qualified and authorized personnel only.
- **Power Disconnection:** Always disconnect the main power supply before performing any work on the control unit or connected components.
- **Electrical Safety:** Ensure all electrical connections comply with local and national electrical safety regulations. Use appropriate wiring and grounding.
- **Environmental Conditions:** Install the control unit in a protected environment, away from direct exposure to weather elements (rain, snow, direct sunlight) and excessive humidity.
- **Original Parts:** Use only original spare parts and accessories provided or approved by Dieffematic.
- **Testing:** After installation, thoroughly test the system's safety features and functionality before putting it into service.

Setup and Installation

The following steps outline the general procedure for installing the control unit. Refer to the detailed wiring diagrams provided with the product packaging for specific connections.

1. **Mounting the Control Unit:**
   Securely mount the control unit enclosure in a suitable, protected location near the gate operator. Ensure it is easily accessible for maintenance but protected from unauthorized access.
2. **Power Supply Connection:**

Connect the main power supply (230V AC, 50/60Hz) to the designated terminals on the control unit. Ensure proper grounding. Use a dedicated circuit breaker for the gate system.

3. **Motor Connections:**
   Connect the gate motor(s) to the motor output terminals. Follow the wiring diagram for correct phase and direction connections.
4. **Safety Device Connections:**
   Connect all safety devices, such as photocells, safety edges, and emergency stop buttons, to their respective input terminals. Verify their functionality during testing.
5. **Accessory Connections:**
   Connect any optional accessories, such as flashing lights, keypads, or receivers for remote controls, according to the provided diagrams.
6. **Initial Power-Up:**
   After all connections are made and verified, restore power to the unit. Observe the status indicators for any error codes.

Operating Instructions

This section describes the basic operation and programming of the control unit.

Basic Operation

- **Remote Control:** Press the designated button on your remote control to open or close the gate. A second press during movement will typically stop the gate.
- **Manual Override:** In case of power failure, locate the manual release mechanism on your gate operator (not the control unit) and follow its instructions to manually open or close the gate.
- **Safety Features:** The photocells will detect obstacles in the gate's path, causing the gate to stop or reverse its movement for safety.

Programming (Example: Remote Control Pairing)

To pair a new remote control with the system:

1. Locate the "PROG" or "LEARN" button on the control unit's circuit board.
2. Press and hold the "PROG" button until an LED indicator lights up or flashes.
3. While the LED is active, press the desired button on the new remote control.
4. The LED should change its state (e.g., flash rapidly, turn off) to indicate successful pairing.
5. Test the remote control to ensure it operates the gate correctly.

Note: Specific programming procedures may vary. Refer to the detailed programming guide included with your control unit for advanced settings and specific model instructions.

Maintenance

Regular maintenance ensures the longevity and safe operation of your gate system. Perform these checks periodically.

- **Visual Inspection (Monthly):**
  Check all wiring for signs of wear, damage, or loose connections. Inspect the control unit enclosure for water ingress or damage. Ensure all safety devices (photocells, safety edges) are clean and unobstructed.
- **Functionality Test (Quarterly):**

Test the operation of all safety devices. For photocells, place an object in their path while the gate is closing to ensure it reverses. Test the emergency stop button if present.

- **Cleaning:**
  Keep the control unit's circuit board free from dust and debris. Use a soft, dry brush or compressed air. Do not use liquids.
- **Battery Check (If applicable):**
  If your system includes backup batteries, check their charge and condition annually. Replace them as recommended by the manufacturer.

Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Gate does not move.	No power supply. Emergency stop activated. Safety device triggered (e.g., photocells blocked). Remote control battery flat.	Check main power and circuit breaker. Reset emergency stop button. Clear obstruction from photocells; check wiring. Replace remote control battery.
Gate opens but does not close.	Photocells obstructed or misaligned. Safety edge activated. Closing limit switch issue.	Clear and align photocells. Check safety edge for pressure. Inspect and adjust closing limit switch.
Gate stops mid-movement.	Obstruction detected. Motor overheating. Faulty wiring.	Remove obstruction. Allow motor to cool down; check for excessive friction. Inspect wiring for loose connections or damage.
Remote control not working.	Battery flat. Not paired correctly. Interference.	Replace battery. Re-pair remote control (see Operating Instructions). Check for sources of radio interference.

If the problem persists after attempting these solutions, contact a qualified technician for assistance. Do not attempt repairs beyond your expertise.

Specifications

- **Model:** I30013810001
- **ASIN:** B0B5VJLNGD
- **Manufacturer Reference:** I30013810001
- **Item Code:** I30013810001
- **First Available on Amazon.it:** 5 luglio 2022 (July 5, 2022)
- *Note: Detailed electrical and performance specifications are typically found on the product label or in a separate technical data sheet.*

Warranty and Support

Information regarding warranty terms and customer support for the Dieffematic BFT Opavenere Smart BT A I300138 10001 control unit was not available in the provided product data. Please refer to the product packaging, official Dieffematic website, or contact your point of purchase for details on warranty coverage and technical support.

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