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Dieffematic 51200101

Dieffematic Genius Breeze 230V 51200101 Garage Door Automation Kit User Manual

Model: 51200101

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Dieffematic Genius Breeze 230V 51200101 garage door automation kit. Please read this manual thoroughly before beginning any installation or operation procedures. Retain this manual for future reference.
The Dieffematic Genius Breeze 230V 51200101 is designed to automate counterweight overhead garage doors, providing convenience and security. Proper installation and adherence to safety guidelines are crucial for optimal performance and user safety.

2. Safety Instructions

WARNING: Failure to follow these safety instructions may result in serious injury or death, and may void your warranty.

- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Disconnect power before performing any maintenance or service.
- Keep hands and loose clothing away from moving parts of the garage door and opener.
- Do not allow children to play with or operate the garage door opener controls.
- Ensure the garage door is balanced and in good working condition before installing the automation kit.
- Install the wall control button within sight of the door, at a minimum height of 1.5 meters (5 feet) from the floor, and away from all moving parts.
- Regularly inspect the safety reversal system and all safety features.

3. Package Contents

Verify that all components listed below are present in your package. If any parts are missing or damaged, contact your supplier immediately.

- Genius Breeze 230V Motor Unit

- Control Board (integrated or separate)
- Mounting Brackets and Hardware
- Remote Controls (quantity may vary)
- Release Handle/Cord
- Instruction Manual (this document)
- Optional: Safety Photoelectric Sensors



Figure 1: An image showing the various components included in the Dieffematic Genius Breeze 230V 51200101 kit, such as the motor unit, control board, and mounting hardware.

4. Setup and Installation

Before starting installation, ensure the garage door operates smoothly manually and is properly balanced. Refer to the detailed diagrams in the separate installation guide for specific mounting instructions.

4.1 Mounting the Motor Unit

1. Position the motor unit centrally above the garage door opening, ensuring adequate clearance.
2. Secure the mounting brackets to the ceiling joists or a sturdy support structure using appropriate fasteners.
3. Attach the motor unit to the mounted brackets.

4.2 Electrical Connections

CAUTION: Electrical work should only be performed by a qualified electrician.

- Connect the 230V AC power supply to the designated terminals on the control board.
- Wire any optional accessories, such as photoelectric sensors or external wall controls, according to their respective manuals.
- Ensure all connections are secure and properly insulated.

4.3 Limit Switch Adjustment

Adjust the limit switches to define the fully open and fully closed positions of the garage door. Refer to the control board manual for specific adjustment procedures.

4.4 Remote Control Programming

Follow the instructions provided with your remote controls to program them to the receiver on the control board. Typically, this involves pressing a programming button on the control board and then a button on the remote.

5. Operating Instructions

5.1 Opening and Closing the Door

- Press the designated button on your remote control or the wall control unit.
- The door will begin to open or close. Pressing the button again during operation will stop the door.
- If the door encounters an obstruction during closing, the safety reversal system should activate, causing the door to reverse to the open position.

5.2 Manual Release

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

1. Pull the red manual release cord firmly downwards until it clicks. This disengages the motor from the door.
2. You can now manually open or close the garage door.
3. To re-engage the motor, pull the cord towards the motor unit until it clicks back into place.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your garage door automation system.

6.1 Monthly Checks

- **Safety Reversal Test:** Place a 5 cm (2 inch) object (e.g., a block of wood) on the floor in the path of the closing door. The door should reverse upon contact. If it does not, adjust the force settings or contact a technician.
- **Door Balance:** Disengage the opener using the manual release. The door should stay open at any point of travel. If it drifts, the door springs may need adjustment by a qualified technician.
- **Visual Inspection:** Check cables, pulleys, rollers, and hinges for wear or damage. Do not attempt to repair these components yourself; contact a professional.

6.2 Annual Maintenance

- Lubricate moving parts (rollers, hinges, bearings) with a garage door lubricant. Do not lubricate the tracks.
- Inspect all electrical connections for tightness and corrosion.
- Have a qualified technician perform a comprehensive inspection and tune-up.

7. Troubleshooting

Before contacting technical support, review the following common issues and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Door does not move.	No power; remote battery dead; safety sensors obstructed.	Check power supply; replace remote battery; clear sensor path.
Door reverses unexpectedly.	Obstruction in door path; force settings too high/low; faulty safety sensors.	Remove obstruction; adjust force settings (refer to control board manual); clean/align sensors.
Remote control not working.	Dead battery; out of range; not programmed.	Replace battery; move closer to opener; reprogram remote.
Motor runs but door does not move.	Manual release engaged.	Re-engage the manual release mechanism.

8. Specifications

Feature	Detail
Model	Genius Breeze 51200101
Power Supply	230V AC, 50/60Hz
Motor Type	Electromechanical
Max. Door Area	(Specific value not provided, refer to product documentation)
Operating Temperature	-20°C to +55°C
Protection Rating	IP44 (or similar, refer to product documentation)

9. Warranty and Support

9.1 Warranty Information

Dieffematic products are covered by a limited warranty against defects in materials and workmanship. The warranty period typically starts from the date of purchase. Please retain your proof of purchase. For specific warranty terms and conditions, refer to the warranty card included with your product or visit the official Dieffematic website.
This warranty does not cover damage caused by improper installation, misuse, unauthorized repairs, or acts of nature.

9.2 Technical Support

If you encounter issues that cannot be resolved using the troubleshooting guide, please contact Dieffematic technical support or your authorized dealer. When contacting support, please have your product model number (51200101) and date of purchase readily available.
For the most up-to-date contact information, please visit the official Dieffematic website:www.dieffematic.com

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