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Dieffematic 180Kg 200/60

DIEFFEMATIC 180Kg 200/60 Rolling Shutter Motor Kit User Manual

Model: 180Kg 200/60 | Brand: Dieffematic

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential information for the safe and correct installation, operation, and maintenance of your DIEFFEMATIC 180Kg 200/60 Rolling Shutter Motor Kit. Please read all instructions carefully before beginning any procedures.

1.1 Safety Warnings

- Installation and electrical connections must be performed by qualified personnel in accordance with local regulations.
- Ensure the power supply is disconnected before performing any installation, maintenance, or repair work.
- Keep children and unauthorized persons away from the operating area of the rolling shutter.
- Do not operate the shutter if any part is damaged or malfunctioning.
- Regularly inspect the shutter and motor for signs of wear or damage.

1.2 Package Contents

Verify that all components are present in the package:

- 1x DIEFFEMATIC 180Kg 200/60 Rolling Shutter Motor
- 1x Control Unit
- 2x Transmitters (Remote Controls)
- Mounting hardware (as supplied by manufacturer)



Image 1.1: Overview of the DIEFFEMATIC 180Kg 200/60 Rolling Shutter Motor Kit, showing the motor, control unit, and two remote controls.

2. SETUP AND INSTALLATION

Professional installation by a qualified technician is highly recommended for this product, especially for the motor mounting and electrical connections to the control unit.

2.1 Motor Mounting

1. Ensure the rolling shutter is in a stable, fully open position.
2. Mount the motor securely within the shutter's roller tube or on the appropriate support structure, following the specific instructions provided with the motor unit.
3. Ensure the motor is level and aligned correctly with the shutter mechanism.

2.2 Control Unit Connection

1. Install the control unit in a dry, protected location, accessible for programming and maintenance.
2. Connect the motor's power and control cables to the designated terminals on the control unit. Refer to the wiring diagram provided with the control unit for precise connections.
3. Connect the main power supply to the control unit. Ensure proper grounding.

4. **Important:** If photocells or other safety devices are not being used, a bridge must be installed across the corresponding safety input terminals on the control unit. Failure to do so may prevent the shutter from descending. Consult the control unit's specific manual for terminal identification.

2.3 Limit Switch Adjustment

The motor's limit switches define the fully open and fully closed positions of the rolling shutter. This setting is crucial for safe and correct operation.

1. Apply power to the control unit.
2. Using the manual buttons on the control unit (if available) or a pre-programmed transmitter, move the shutter to its desired fully open position.
3. Adjust the 'open' limit switch on the motor (usually via a screw or dial) until the motor stops at this position.
4. Move the shutter to its desired fully closed position.
5. Adjust the 'close' limit switch on the motor until the motor stops at this position.
6. Test the limits multiple times to ensure accurate stopping points.

2.4 Transmitter Programming

To program the remote controls to operate the shutter:

1. Locate the programming button on the control unit (often labeled 'PROG' or 'LEARN').
2. Press and hold the programming button for a few seconds until an indicator light (LED) on the control unit illuminates or flashes.
3. While the indicator light is active, press the desired button on your transmitter that you wish to assign to the shutter operation.
4. The indicator light on the control unit should change (e.g., flash rapidly, turn off) to confirm successful programming.
5. Repeat for any additional transmitters.

3. OPERATING INSTRUCTIONS

Once installed and programmed, operating your DIEFFEMATIC rolling shutter motor kit is straightforward.

3.1 Using the Transmitters

- Press the programmed button on your transmitter once to activate the shutter.
- Depending on the control unit's configuration, a single press may initiate opening, closing, or toggle between states.
- Pressing the button again during operation may stop the shutter.
- Ensure a clear line of sight between the transmitter and the shutter's receiver for optimal performance.

3.2 Manual Operation (if applicable)

In case of power failure or transmitter malfunction, some systems may allow for manual operation. Refer to your specific control unit or motor documentation for details on engaging manual override, if available.

4. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your rolling shutter motor kit.

4.1 General Cleaning and Inspection

- Periodically inspect the rolling shutter, motor, and control unit for any visible damage, loose connections, or unusual wear.
- Keep the shutter tracks clean and free from debris. Dirt and obstructions can impede smooth operation and put strain on the motor.
- Lubricate the shutter tracks and moving parts as recommended by the shutter manufacturer. This helps maintain quiet and efficient operation.

4.2 Battery Replacement (Transmitters)

If a transmitter's range decreases or it stops responding, the battery may need replacement. Refer to the transmitter's specific instructions for battery type and replacement procedure.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your rolling shutter motor kit.

5.1 Shutter Does Not Move

- **Check Power:** Ensure the control unit is receiving power and that the circuit breaker has not tripped.
- **Check Connections:** Verify all electrical connections to the motor and control unit are secure.
- **Transmitter Battery:** Replace the battery in the transmitter if it is weak or dead.
- **Transmitter Programming:** Re-program the transmitter if it has lost its connection to the control unit.

5.2 Shutter Goes Up But Not Down

- **Safety Device Bridge:** If photocells or other safety devices are not installed, ensure that the safety input terminals on the control unit have a proper bridge connection. Without this, the control unit may prevent downward movement for safety reasons.
- **Photocell Obstruction:** If photocells are installed, check for any obstructions in their path or misalignment.

5.3 Shutter Stops Mid-Travel or Does Not Reach Limits

- **Limit Switch Adjustment:** Re-adjust the motor's limit switches as described in Section 2.3.
- **Obstructions:** Check the shutter tracks and the path of the shutter for any physical obstructions.
- **Motor Overheating:** If the motor has been used continuously, it may have activated its thermal protection. Allow it to cool down before attempting operation again.

6. SPECIFICATIONS

Feature	Specification
Brand	Dieffematic
Model	180Kg 200/60
Maximum Lifting Capacity	180 kg
ASIN	B07ZKM4XYM
Manufacturer Reference	233249075334
First Available Date	October 25, 2019

7. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer, Dieffematic, or your authorized dealer. Keep your purchase receipt and product model information handy when contacting support.