

ZHRCLY BG1.2

ZHRCLY SEW Motor Rectifier Module BG1.2 Instruction Manual

Model: BG1.2

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of the ZHRCLY SEW Motor Rectifier Module, model BG1.2. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper function and to prevent damage or injury.

2. SAFETY INFORMATION

WARNING: Electrical components can be hazardous. Installation and maintenance should only be performed by qualified personnel.

- Always disconnect power before installing, servicing, or removing the module.
- Ensure proper grounding to prevent electrical shock.
- Verify voltage and current ratings match your application requirements.
- Do not operate the module in wet or damp conditions.
- Protect the module from excessive heat and direct sunlight.

3. PRODUCT OVERVIEW

The ZHRCLY BG1.2 is a rectifier module designed for use with SEW motors. It converts alternating current (AC) to direct current (DC) to power the motor's brake, ensuring reliable stopping and holding functions. This module is a general accessory compatible with various SEW motor systems.



Figure 3.1: ZHRCLY BG1.2 Rectifier Module. This image shows the compact design of the BG1.2 module, typically used for converting AC to DC for motor brake applications.

4. SETUP AND INSTALLATION

- 1. Preparation:** Ensure all power to the motor and associated equipment is disconnected and locked out. Gather necessary tools and safety equipment.
- 2. Mounting:** Mount the BG1.2 module in a secure location, away from excessive vibration, moisture, and heat. Ensure adequate ventilation.
- 3. Wiring:**
 - Connect the AC input terminals of the BG1.2 module to the appropriate AC power source, as specified by the motor's requirements.
 - Connect the DC output terminals of the BG1.2 module to the brake terminals of the SEW motor.
 - Ensure all connections are tight and secure. Refer to the motor's wiring diagram for specific connection points.
- 4. Verification:** Double-check all wiring connections for correctness and security before restoring power.

Note: Please select the correct model and place an order. If the model you need is not available, please contact the merchant for assistance.

5. OPERATING INSTRUCTIONS

The BG1.2 rectifier module operates automatically once correctly installed and powered. It converts the incoming AC voltage to the required DC voltage for the motor brake.

- Upon power-up, the module will supply DC voltage to the motor brake, releasing it.

- When power is removed, the module ceases to supply DC voltage, allowing the brake to engage and stop the motor.
- Monitor the motor and brake operation to ensure proper function after installation.

6. MAINTENANCE

The ZHRCLY BG1.2 rectifier module is designed for minimal maintenance. However, periodic checks are recommended to ensure optimal performance and longevity.

- **Visual Inspection:** Periodically inspect the module for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** Keep the module free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Connection Checks:** Ensure all electrical connections remain tight and free from corrosion.
- **Environmental Conditions:** Verify that the operating environment remains within the specified temperature and humidity ranges.

Note: All maintenance procedures should be performed with power disconnected.

7. TROUBLESHOOTING

If you encounter issues with the BG1.2 rectifier module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Motor brake not releasing	No power to module; incorrect wiring; faulty module	Check power supply; verify wiring connections; test module output (with caution)
Motor brake not engaging	Module continuously supplying DC; faulty module	Disconnect power to module and check if brake engages; replace module if necessary
Module overheating	Overload; insufficient ventilation; short circuit	Check load; ensure proper ventilation; inspect wiring for shorts

If the problem persists after attempting these solutions, contact qualified service personnel or the manufacturer.

8. SPECIFICATIONS

Feature	Detail
Model Number	BG1.2
Brand	ZHRCLY
Item Weight	4.4 pounds
Package Dimensions	2 x 2 x 2 inches
Manufacturer	Original factory

Feature	Detail
Date First Available	March 31, 2025

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact your point of purchase or the manufacturer directly. Ensure you have your product model number (BG1.2) and purchase details available when contacting support.

Note: After the goods arrive, they may be subject to taxation. Please cooperate in handling.