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› [CBBEXP](#) /

› CBBEXP FRN18.5G11S-4CX Inverter User Manual

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Model: FRN18.5G11S-4CX

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of the CBBEXP FRN18.5G11S-4CX Inverter. It covers product overview, safety guidelines, installation, operation, maintenance, and troubleshooting. Please read this manual thoroughly before installing or operating the device and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury, damage to the product, or other property damage.

- **Electrical Hazard:** This device operates with high voltage. Installation, wiring, and maintenance must be performed by qualified personnel only.
- **Power Disconnection:** Always disconnect all power sources before performing any installation, wiring, or maintenance work.
- **Proper Grounding:** Ensure the inverter is properly grounded according to local and national electrical codes.
- **Environmental Conditions:** Do not expose the inverter to moisture, dust, corrosive gases, or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the inverter to prevent overheating.

3. PRODUCT OVERVIEW

The CBBEXP FRN18.5G11S-4CX is a high-quality Inverter designed for various industrial applications, specifically as a Programmable Logic Control Product. It is manufactured in Japan, ensuring reliability and precision.



The image displays the brown cardboard packaging box for the CBBEXP FRN18.5G11S-4CX Inverter. The box features standard shipping symbols indicating 'This Way Up', 'Fragile', 'Keep Dry', 'Do Not Stack', and 'Handle with Care'. A white label on the front clearly identifies the product as an 'Inverter' with the model number 'FRN18.5G11S-4CX'. Other markings include 'Ser. No.', 'Part No.', 'CM. Code', 'Made in Japan', 'Ro' (RoHS compliant), and 'CE' certification.

4. SETUP AND INSTALLATION

Installation of the FRN18.5G11S-4CX Inverter should only be performed by certified professionals to ensure safety and proper functionality. Incorrect installation can lead to equipment damage or personal injury.

4.1. Pre-Installation Checks

- Verify that the inverter model FRN18.5G11S-4CX matches your system requirements.
- Inspect the unit for any visible damage incurred during shipping.
- Ensure the installation environment meets the specified temperature, humidity, and ventilation requirements.

4.2. Mounting

Mount the inverter securely in a vertical position on a stable surface, allowing sufficient clearance for cooling and maintenance. Avoid mounting near heat sources or in direct sunlight.

4.3. Wiring

Connect the power supply, motor, and control signals according to the detailed wiring diagrams provided in the separate technical documentation. Ensure all connections are tight and properly insulated. Pay close attention to grounding connections.

5. OPERATING INSTRUCTIONS

Once installed and wired correctly, the FRN18.5G11S-4CX Inverter is ready for operation. Refer to your system's specific control interface for detailed operational procedures.

5.1. Initial Power-Up

1. Before applying power, double-check all wiring connections.
2. Apply power to the inverter. Observe any indicator lights or display messages.
3. If an error occurs, immediately disconnect power and refer to the troubleshooting section.

5.2. Basic Operation

The inverter typically receives commands from a connected Programmable Logic Controller (PLC) or other control system. Consult the documentation for your specific control system for details on starting, stopping, and adjusting parameters.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FRN18.5G11S-4CX Inverter.

6.1. Routine Checks (Monthly)

- Visually inspect the inverter for any signs of damage, discoloration, or loose connections.
- Check for unusual noises or vibrations during operation.
- Ensure ventilation openings are clear of dust and debris.

6.2. Cleaning

With power disconnected, use a soft, dry cloth to clean the exterior of the inverter. For internal cleaning (if necessary), consult a qualified technician. Do not use liquid cleaners or solvents.

6.3. Component Replacement

Any component replacement or internal servicing must be performed by authorized service personnel only.

7. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For complex problems, contact technical support.

Problem	Possible Cause	Solution
Inverter does not power on	No power supply; Loose wiring	Check power source; Verify all power connections are secure.
Motor not responding	Incorrect control signal; Motor wiring issue	Check control system settings; Inspect motor wiring.
Overheat warning	Insufficient ventilation; Overload	Ensure clear airflow; Reduce load if possible.

If the issue persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Model: FRN18.5G11S-4CX

Type: Programmable Logic Control Product

Manufacturer: CBBEXP

ASIN: B0CTBYV54Z

Date First Available: January 26, 2024

Origin: Made in Japan

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The CBBEXP FRN18.5G11S-4CX Inverter comes with a **One-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9.2. Customer Support

For technical assistance, warranty claims, or any inquiries regarding your CBBEXP FRN18.5G11S-4CX Inverter, please contact Zhengbang Automation, the specialized seller. They are dedicated to providing excellent customer service and support for all models and quantities.

Please have your model number (FRN18.5G11S-4CX) and purchase details ready when contacting support.