

WFCO WF-8930/50NPB-50

WFCO WF-8930/50NPB-50 AC Distribution Center User Manual

Model: WF-8930/50NPB-50 | Brand: WFCO

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your WFCO WF-8930/50NPB-50 AC Distribution Center. This unit is designed to manage the AC and DC power distribution within your recreational vehicle (RV). Please read all instructions carefully before proceeding with installation or operation.

2. SAFETY INFORMATION

WARNING: Electricity is dangerous and can cause personal injury or death, as well as property loss or damage if not used or installed correctly. If you have any doubts about performing do-it-yourself electrical work, please consult a qualified and certified electrician to perform the work for you. Always disconnect all power sources, including utility power and battery, before working on the electrical system.

Ensure the unit is installed in a zero-clearance compartment to prevent fire or explosion. Do not install in compartments containing batteries or flammable materials.

3. PRODUCT OVERVIEW

The WFCO WF-8930/50NPB-50 is an AC Distribution Center designed for RV electrical systems. It provides a centralized point for managing your RV's AC and DC power. This unit is capable of handling either 50 Amp or 30 Amp AC input and includes a DC output section for various 12V circuits. It is important to note that this product is an AC Distribution Center and does **NOT** include an inverter or converter functionality.



Figure 1: Front view of the WFCO WF-8930/50NPB-50 AC Distribution Center.

4. SPECIFICATIONS

Feature	Detail
Brand	WFCO
Model Number	WF-8930/50NPB-50
Product Dimensions	14"L x 10.5"W x 9.5"H
AC Adapter Current	50 Amps (or 30 Amps maximum)
Material	Metal
Number Of Circuits	27
Phase Type	Single Phase
Item Weight	3.75 pounds

5. SETUP & INSTALLATION

Installation of the WFCO WF-8930/50NPB-50 AC Distribution Center should only be performed by a qualified professional to ensure safety and proper functionality. Incorrect installation can lead to electrical hazards, damage to the unit, or voiding of the product warranty.

General Installation Steps:

- Disconnect Power:** Ensure all shore power is disconnected and the RV battery is completely isolated before beginning any work.
- Mounting:** Securely mount the distribution center in the designated compartment, ensuring it is in a zero-clearance area away from batteries or flammable materials.
- Wiring Connections:** Carefully connect the AC input (50 Amp or 30 Amp) and all DC output circuits according to

your RV's wiring diagram and local electrical codes. Pay close attention to wire gauges and terminal connections.

4. **Breaker and Fuse Installation:** Install appropriate AC circuit breakers and DC fuses for each circuit as specified by your RV manufacturer and the distribution center's labeling.
5. **Verify Connections:** Double-check all wiring connections for tightness and correctness before restoring power.



Figure 2: Internal view of the AC Distribution Center with cover open, showing circuit breakers and fuse panel.

6. OPERATION

Once installed and all connections are verified, restore power to the RV. The distribution center will then provide power to your RV's AC and DC circuits.

Checking Fuses:

The DC fuse panel features LED indicators next to each fuse. If an LED illuminates, it indicates that the corresponding fuse has blown and needs to be replaced. Always replace a blown fuse with a new fuse of the same amperage and type.

Resetting Circuit Breakers:

If an AC circuit loses power, check the corresponding circuit breaker. If it is in the