



WF-7920 SERIES AC DISTRIBUTION CENTERS

WF-7923 | WF-7923-S | WF-7925 | WF-7925-S

The AC Distribution Center model number is located on the back of the door panel.



THE **HEARTBEAT** OF TODAY'S RVs

ARTERRA DISTRIBUTION

(877) 294-8997

wfcoelectronics.com

WARRANTY

warranty@wfcoelectronics.com

Fax (574) 294-8698

Distributed by Arterra in the U.S.A. and Canada



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⚠ WARNING

RISK OF ELECTRICAL SHOCK

Disconnect or isolate all power supplies before making electrical connections. More than one disconnection or isolation may be required to completely de-energize equipment. Contact with components carrying hazardous voltage can cause electric shock and may result in severe personal injury or death.

NOTICE

All wiring must conform to local, national, and regional regulations. Use copper conductors only for all wire connections. Do not exceed the electrical ratings for the WF-7920 Series as this could cause equipment failure and/or electrical shock which may result in severe personal injury or death.

⚠ CAUTION

INSTALLATION AND SERVICING

This product should be installed and serviced by a certified or licensed electrician familiar with applicable safety codes and installation requirements. Failure to observe this precaution could result in electrical shock or bodily injury. Consult your servicing dealer before attempting any work on this product.

⚠ WARNING

SPARK HAZZARD

This unit employs components that can produce arcs or sparks. To prevent fire or explosion, do not install in compartments containing batteries or flammable materials (LP gas). This product is NOT ignition protected.

CIRCUIT PROTECTION

WF-7920 Series AC Distribution Center Breakers

AC CIRCUIT BREAKERS (120/240 VOLTS)

WF-7920 Series AC Distribution Centers accept standard residential breakers. **Models with "-GE" in the part number will only accept GE slim breakers.*

The WF-7923 has spaces for a 30 Amp Main breaker and up to 6 Branch breakers when using duplex breakers.

The WF-7923-S has spaces for a 30 Amp Main breaker, and a separate 20 Amp Main breaker (for inverter circuit).

The WF-7925 has spaces for two 50 Amp Main breakers and up to 16 Branch breakers when using duplex breakers.

The WF-7925-S has spaces for two 50 Amp Main breakers, and a separate 30 Amp Main Breaker (for inverter circuit). A list of factories tested and approved breakers follows. The breakers may be purchased at most big-box department stores and home centers.



UL-LISTED MAIN CIRCUIT BREAKERS, RATED FOR 120V, MAXIMUM 50A

The following breakers have been factory tested and approved for use as main breakers in the WF-7920 Series AC Distribution Center:

Manufacturer	Model/Cat. No./Type
Cutler Hammer	Type BR and C
Thomas Betts	Type TB or TBBD
ITE/Siemens	Type QP or QT
Square D	Type HOM or HOMT
Murray	Type MP-T or MH-T
General Electric	Type THQL, THQP

UL-LISTED BRANCH CIRCUIT BREAKERS, RATED FOR 120V, MAXIMUM 20A

The following breakers have been factory tested and approved for use as Branch breakers in the WF-7920 Series AC Distribution Center:

Manufacturer	Model/Cat. No./Type
Cutler Hammer	Type BR and C, Type BRD, BD and A
Thomas Betts	Type TB or TBBD
ITE/Siemens	Type QP or QT
Square D	Type HOM or HOMT
Murray	Type MP-T or MH-T
General Electric	Type THQL, THQP

When replacing any of the installed circuit breakers, the replacement should be of the same manufacturer, type designation, and equal interrupting rating, not to exceed 50 A. The "Short-Circuit-Current" rating for the breaker should be 10,000 Amps.



GENERAL COMPLIANCE INFORMATION

Agency Listings

UL

The WF-7920 Series AC Distribution Centers are UL-Listed, and cUL-Listed (Canadian).

INSTALLATION INSTRUCTIONS

Installing the WF-7920 Series AC Distribution Center

MOUNTING THE ENCLOSURE

The WF-7920 Series AC Distribution Center enclosure should be mounted in an accessible area such as a wall or in the side of a cabinet near the Shore power entrance. Select a mounting location that is appropriate to prevent excessive heat, water, moisture, dust, and dirt entering the unit once installed.

Cut an opening 1/8" wider than the enclosure to allow the distribution center to slide in easily. The rough opening is 10.5" W x 7.5" H. The enclosure is 3.5" deep. Be sure to allow enough space behind the unit for wiring. After wiring is completed, the enclosure fastens to the wall or cabinet using 4 wood screws (not supplied).

WARNING

RISK OF ELECTRICAL SHOCK

Disconnect or isolate all power supplies before making electrical connections. More than one disconnection or isolation may be required to completely de-energize equipment. Contact with components carrying hazardous voltage can cause electric shock and may result in severe personal injury or death.

Two sizes of knockouts have been provided: a 34mm knockout for the 50 Amp and a 27mm knockout for the 30 Amp power cord. Wire clamps or strain reliefs must be used to tightly secure the wires wherever the wires enter the enclosure. Also provided is a series of built-in 120 VAC Romex strain reliefs and should only be used with 10-2 through 14-2 wire, placing one wire per strain relief opening.

WIRING THE AC BREAKERS

Make sure no AC power is coming into the RV from either the Shore Power cord or an on-board generator. Determine the proper size breakers for the loads the WF-7920 Series AC Distribution Center will be powering. You can use either single or duplex breakers, or a combination of both. We recommend that all the breakers used be of the same brand.

Refer to the tables on pages 4 and 5 for a selection of approved breakers. The Main breakers should be installed in the center position. A hold down clip is provided to keep the breaker securely in place.



⚠ CAUTION

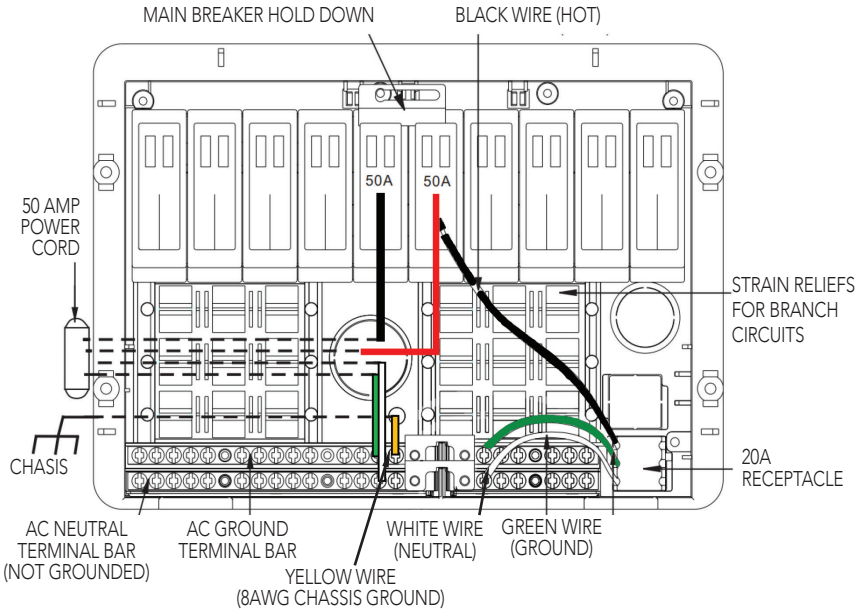
INSTALLATION AND SERVICING

This product should be installed and serviced by a certified or licensed electrician familiar with applicable safety codes and installation requirements. Failure to observe this precaution could result in electrical shock or bodily injury. Consult your servicing dealer before attempting any work on this product.

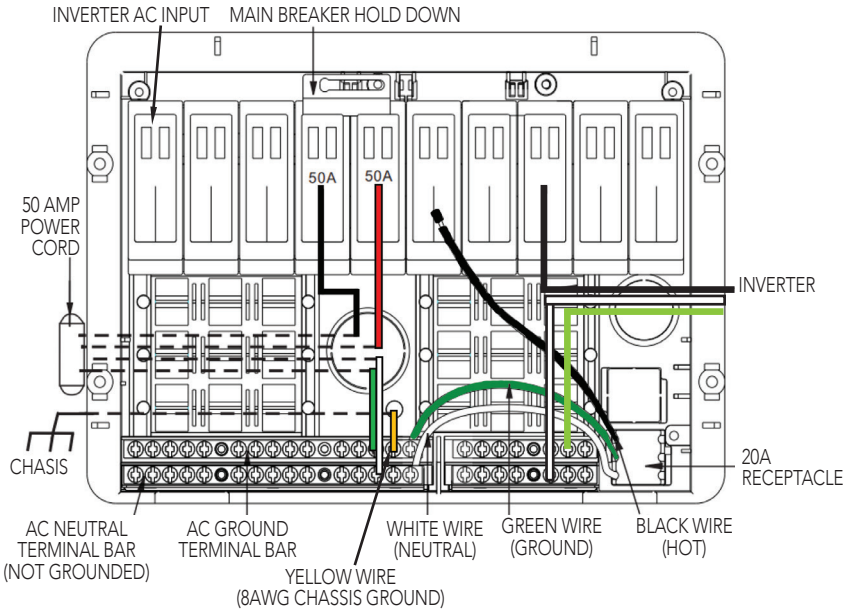
The Shore cord should be routed through one of the large knockouts in the back of the wiring compartment as indicated above and secured with a Romex clamp. For 30 Amp service, the Black (Hot) wire is connected to the 30 Amp Main breaker. For 50 Amp service, the Black wire is connected to one of the 50 Amp Main breakers and the Red wire is connected to the other 50Amp main breaker as shown. The White (Neutral) wire is connected to the Neutral Terminal bar at the bottom of the wiring compartment. The Green (Ground) wire is connected to the Ground Terminal bar also located at the bottom of the compartment.

Route the Romex leads for the Branch circuits through the Strain Reliefs in the back of the wiring compartment. In a similar fashion, connect the Black wire to the Branch breaker and the White and Green wires to the appropriate Terminal bar.

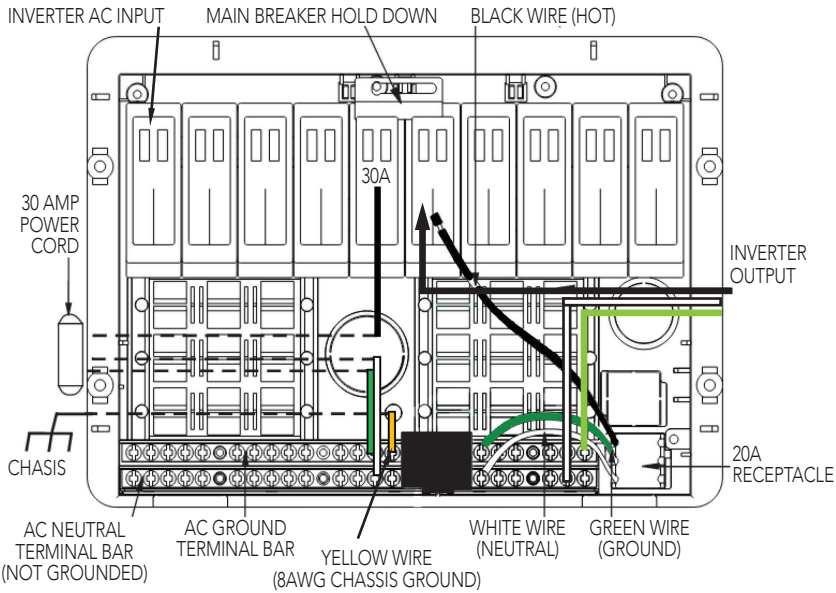
When wiring has been completed, make sure all terminals are torqued to the specifications listed on the back of the door assembly. See the wiring diagrams on page 5.



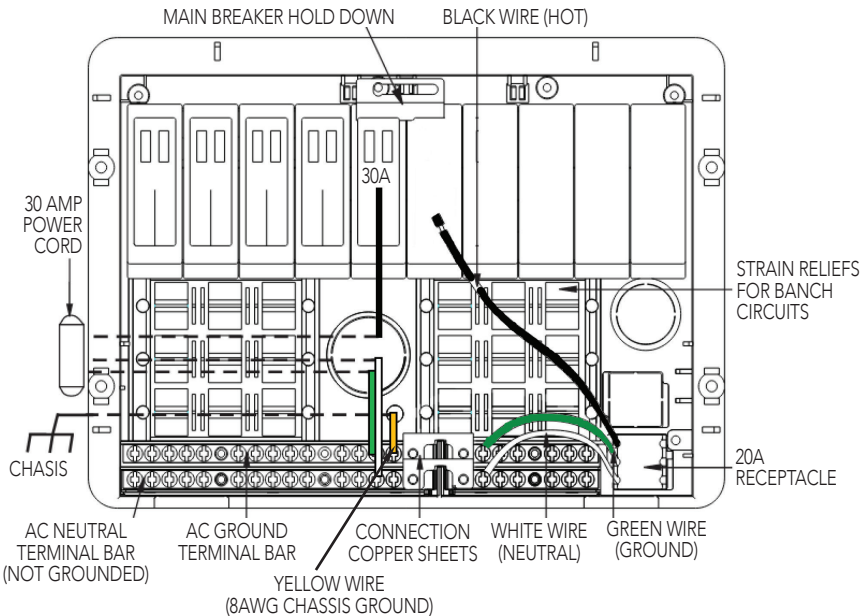
7925



7925-S



7923-S



7923



CONSUMER LIMITED WARRANTY for WFCO Electronic Products

WFCO extends, to the original owner, a Two-Year Limited Product Warranty. This warranty is in effect from the date of original purchase for a period of two (2) years. This limited warranty is extended specifically for and is limited to Recreational Vehicle application and is only valid within the continental United States, Alaska, Hawaii, and the Provinces of Canada. WFCO warrants, to the owner, that its products are free from defects in material and workmanship under normal use and service based on its intended use and function. This warranty is limited to the repair or replacement, at WFCO's discretion, of any defective parts or defective assembly. Any implied warranties of merchantability or fitness for intended use are limited in duration unless applicable State Law provides otherwise. You may have other rights as specified by each individual state.

EXCLUSIONS AND LIMITATIONS

The OEM warranty specifically does not apply to the following:

- Any WFCO product that has been repaired or altered by an unauthorized person.
- Any damage caused by misuse, faulty installation, testing, negligence, accident or any WFCO product installed in a commercial vehicle.
- Any WFCO product, whose serial number has been defaced, altered, or removed.
- Any WFCO product, whose installation has not been in accordance with the WFCO written instructions.
- Any consequential damages arising from the loss of use of the product including but not limited to inconvenience, loss of service, loss of revenue, loss or damage to personal property, cost of all services performed in removing or replacing the WFCO product. Specifications are subject to change without notice or obligation.
- Any WFCO Electronics products sold through unauthorized Internet sources (Example: eBay) will be excluded from all warranty coverage offered by Arterra Distribution / WFCO.



CONSUMER WARRANTY CLAIM PROCEDURE

Upon determination and validation by an authorized OEM dealer that a WFCO product has a defect, a Return Goods Authorization (RGA) number will be required before the product can be returned. The RGA number can be requested by completing the Warranty Information Fax Sheet and appropriate Troubleshooting Form found at wfcoelectronics.com. Once these forms have been completed, email the forms along with Proof of Purchase to warranty@wfcoelectronics.com or fax the three documents to the Warranty Department at

(574) 294-8698. After receipt of the forms, an RGA number will be issued. This number shall appear on all correspondence with warranty service. Upon validation of the warranty, WFCO shall replace the product with a like product. The RGA number shall be placed on the outside of the carton used to return the product for ease of identification. Do not mark directly on the product. The product must be packaged properly to avoid further product damage which could cause a non-warrantable condition.

WARRANTY ASSISTANCE

The consumer may contact the selling Dealer or OEM for warranty assistance. The consumer may also contact Arterra Distribution, exclusive distributor to WFCO Products at: (574) 294-8997 or Fax (574) 294-8698.





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Follow proper safety practices. If in doubt, consult a professional RV technician.