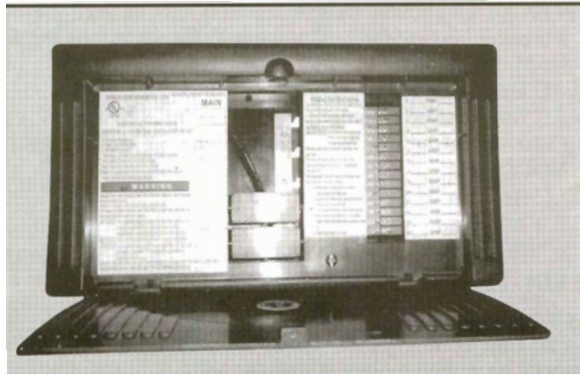
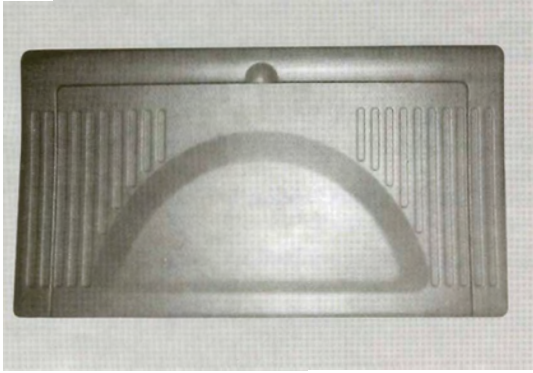


Installation/Operators Manual

For use with WFCO **ULTRA** Distribution Panels

Model WF-8914



Distributed in the US by CHENG USA, Inc.

Sales (574) 294-8997

Warranty Service (877)294-8997



Mounting:

Select the mounting location and cut a rough opening 1/8" wider than the box to allow the Distribution panel to slide in easily. The hole should be framed so that the box can be secured tightly.

The OEM may wish to pre-wire the box for ease of installation. Select the number of knockouts to be used and remove them. Two sizes have been provided. The 1 1/8" is for the 30 amp power cord. The 7/8" holes are for the romex on the 120VAC side and the wires on the 12VDC side. Remember to select the proper gauge wire for the load and distance. Leave the rest of the knockouts in place. Be sure to use appropriate Romex connectors and strain reliefs to secure the wires to the box. (see wiring diagram)

General Information:

AC Bus Bar Max. Rating is 33.4 Amps

The nonmetallic sheath connector is for use with wire ranges of 10-2 thru 14-2 only.

Quick connects:

1. For use with cu wiring only.
2. Use K.S. Terminals Inc. Model FDD2-250 female quick connect only
3. Use Izumi #34 (blue) as the crimping tool
4. The end-use manufacturer is to provide strain relief and instructions on how to use it
5. The strip length is 6.5 mm

For Field Wiring Aluminum Terminals The Tightening Torque Max. 40 in.-lb.
Temperature Rating is 90°C.

Fuses and breakers:

Breakers

1. The 30 Amp ULTRA Distribution panel was designed for a 30 AMP main breaker with branch circuits. Double breakers may be used for the branch circuits. Should a breaker become faulty replace with the same type breaker as provided by the OEM.
2. **AC Breaker Information:**
 - AC Breaker Specification: MAX.30Amps 120V/240V 1 pole or poles.
Current Interrupting Rating MAX.RMS SYM.Amperes 10,000 AT 120/240 VOLTS AC
3. **AC Breaker Manufacture:**
 - 1:"Cutler-Hammer": Type BRD & A
 - 2:"SIEMENS": Type QP OR QT

12 VDC Fuses

Each circuit in the WFCO ULTRA Distribution panel was designed for a maximum of a 20 amp Little Type 257 automotive style fuse. Should one need to be replaced be sure to replace it with the same type and amp rating as originally supplied by the OEM. Replacing it with either a higher or lower amp fuse could result in the panel not functioning properly.

Fuse Diagram:

Max. Main Circuit Fuse Size: 30 AMP

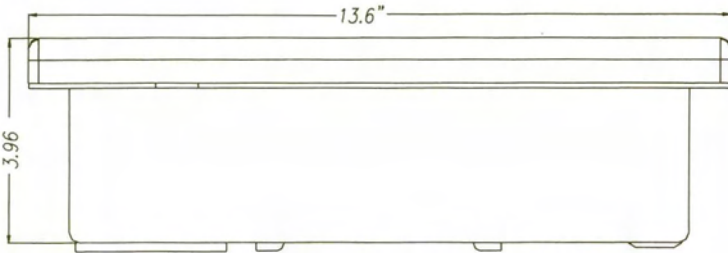
Max. Branch Circuit Breaker Fuse Size: 20 AMP

12 VDC Fuse use Only Littelfuse. Type 257 Fuse. Max. 20 AMP

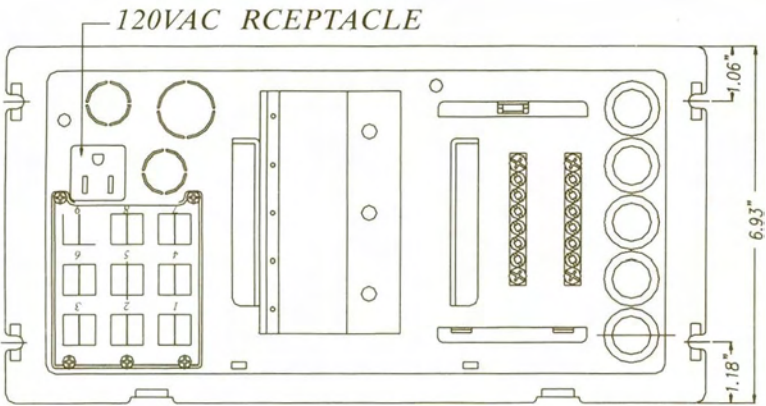
Each 12VDC circuit of the WFCO ULTRA Distribution panel is provided with a LED indicator light. Should the fuse "blow" or an open be caused the LED will light up indicating which circuit is open and which fuse needs to be replaced.



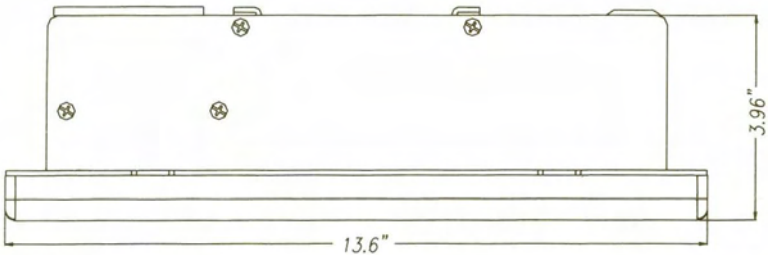
TOP VIEW



REAR VIEW



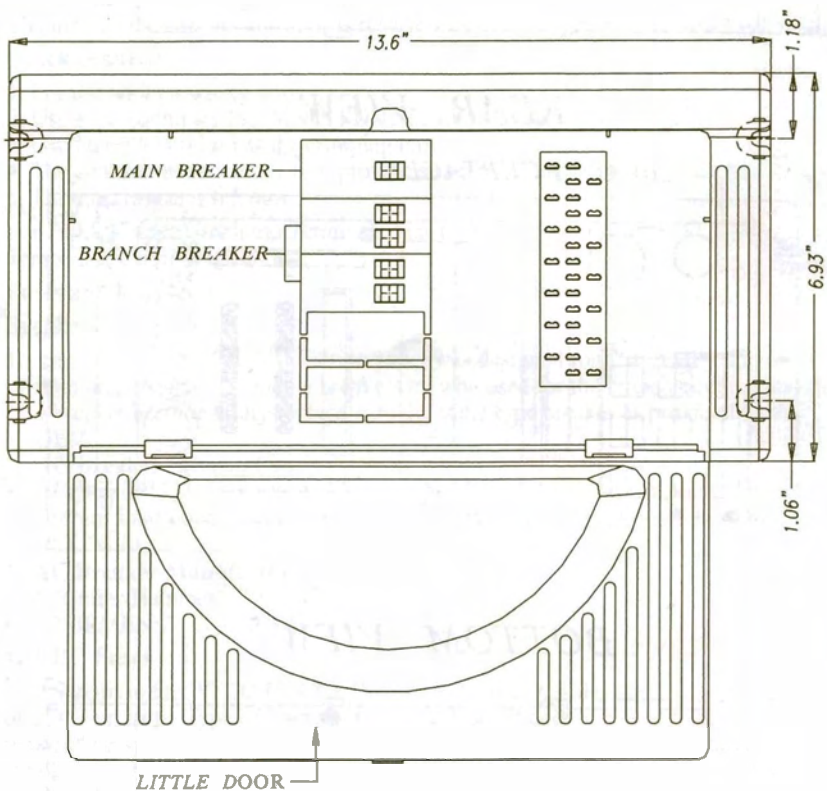
BOTTOM VIEW





INSTALLATION INSTRUCTION

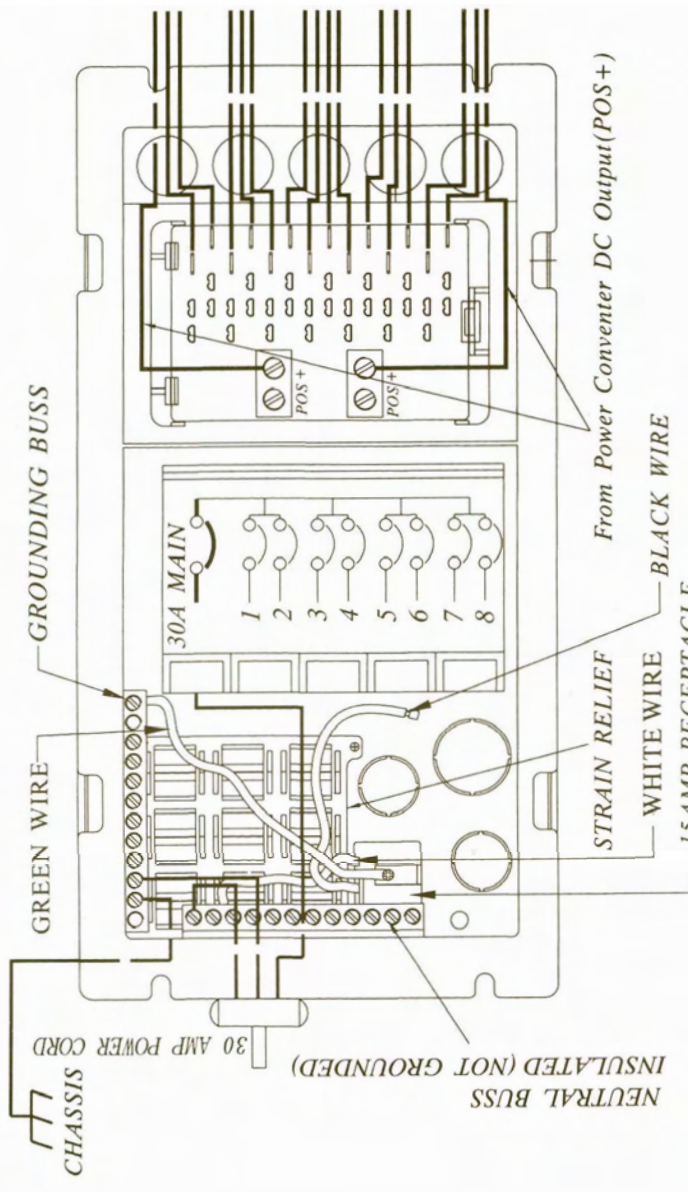
FRONT VIEW





INSTALLATION INSTRUCTION

THE WIRING DIAGRAM OF WF-8914





**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 LIMITATION

The OEM warranty specifically does not apply to the following:

- Any WFCO product that has been repaired or altered by any unauthorized person;
- Any damage caused by misuse, faulty installation, testing, negligence or 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 to 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 and cost of all services performed in removing or replacing the WFCO product;

CONSUMER WARRANTY CLAIM PROCEDURE

Upon determination and validation by an authorized OEM dealer that a WFCO product has a defect, the dealer shall contact the WFCO warranty service number (877) 294-8997 and obtain a return goods authorization (RGA) number. This number shall appear on all correspondence with warranty service, Upon validation of the warranty WFCO shall replace or repair the product with a like product. The RGA number must also 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 damage to the product to cause a non-warrantable condition.