

The Power to Bring People and Places Together!

Model 6730 Installation Guidelines

Warning! Shock hazard or equipment damage may result if improperly installed.
Refer installation or servicing to qualified service personnel.



Specifications

Product dimensions

Width: 13.75" Height: 7" Depth: 5.5"
(Face plate 13.75" W x 7" H)

Cutout area required

Width: 12.75" Height: 6.25"

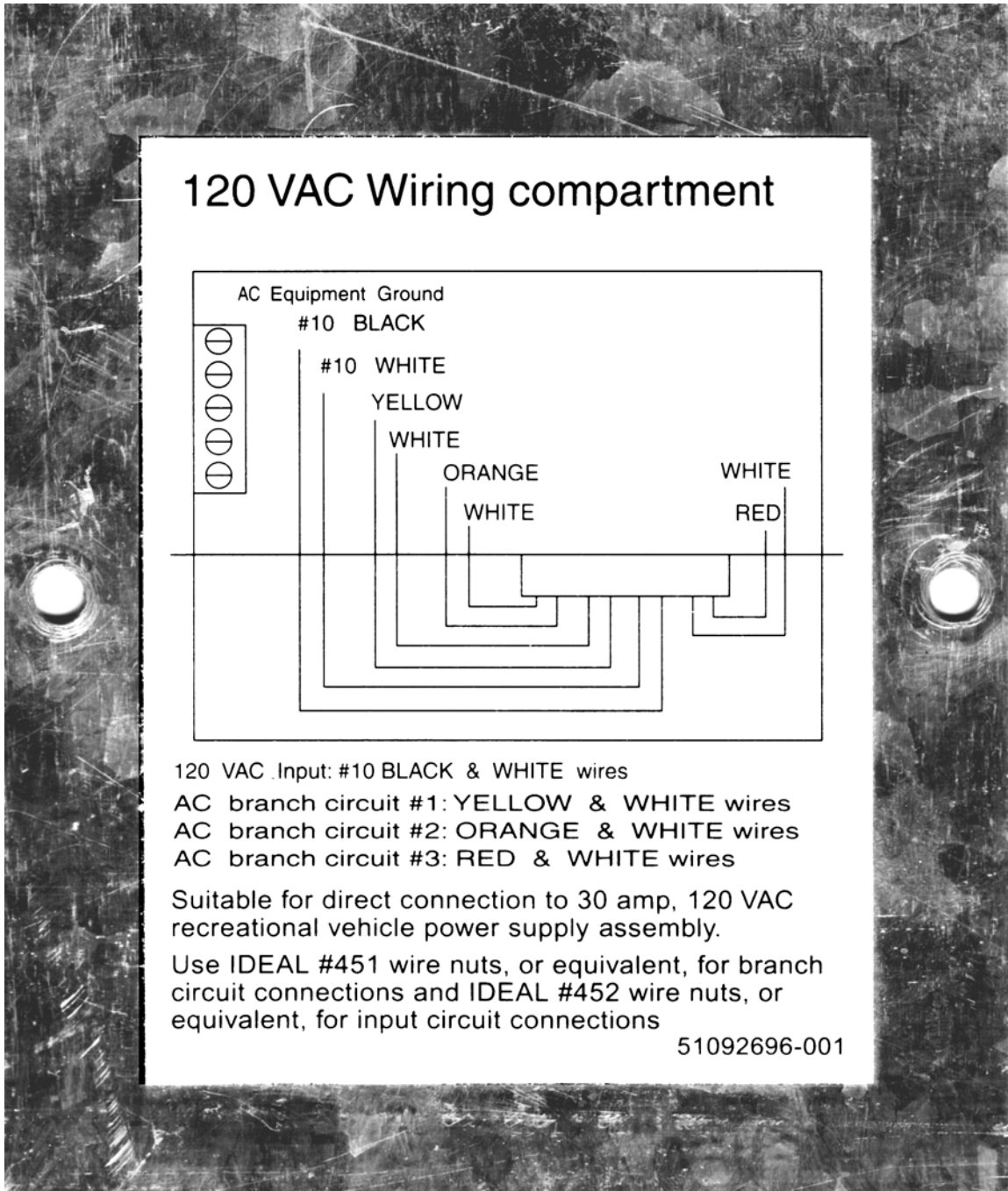
Weight 8.5 lbs. (does not include package)

120 VAC Electrical installations shall comply with Article 551 and other applicable sections of the National Electric Code.

12 VDC installations shall comply with ANSI/RVIA 12 V.

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120 VAC Electrical installations shall comply with Article 551 and other applicable sections of the National Electric Code.



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120 VAC Electrical installations shall comply with Article 551 and other applicable sections of the National Electric Code.

- Route field wiring conductors through the chassis knockouts provided for entry into the 120 VAC wiring compartment. Use clamp type “Romex” wiring connectors, appropriately sized; on all chassis knock outs used for wire protection and strain relief.
- Refer to the AC wiring label for wire nut sizes for field wiring connections.
- **Isolate and properly terminate any unused branch AC load circuit supply conductors.**

1. **Connect the 120VAC 30-Ampere Input Supply Line Neutral only to the # 10 AWG white Neutral lead.**

2. **Connect the 120VAC 30-Ampere Supply Input Line “hot” only to the # 10 AWG black lead.**

3. **Connect a 20-Ampere maximum 120VAC load circuit “hot” only to the yellow lead of branch circuit # 1.**

4. Connect 15-Ampere maximum 120VAC load circuit to orange “hot” lead of branch circuit # 2.

5. Connect 15-ampere maximum 120VAC load circuit to red “hot” lead of branch circuit # 3.

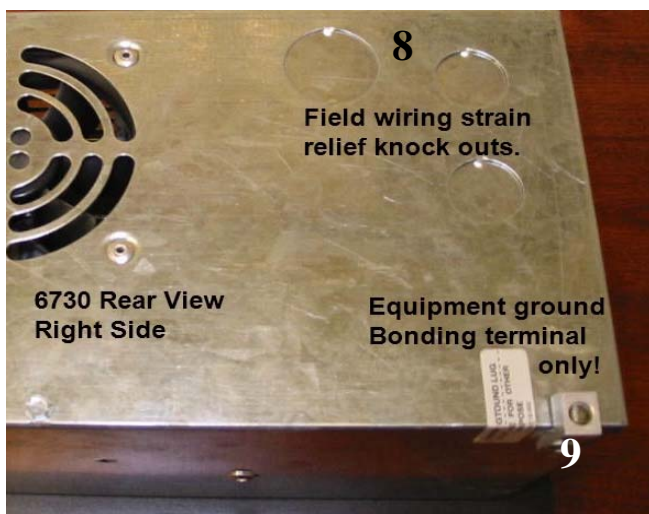
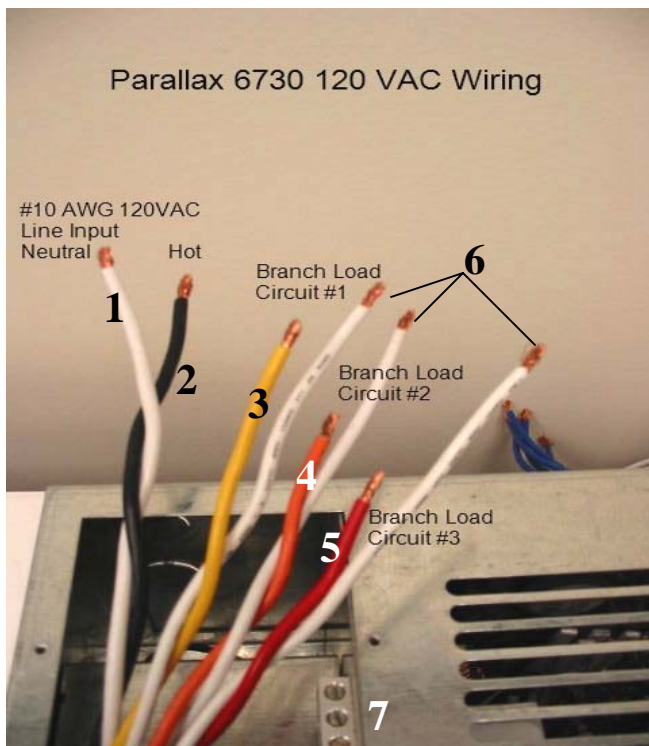
6. Branch 120VAC load circuit white # 12 AWG Neutrals are electrically “common” and can be utilized in any order.

7. Connect Line cord green “ground”, and Branch 120VAC load circuit grounds to the ground terminal bar. For wire ranges 10-14 AWG, torque compression screw terminals to 35 inch pounds.

8. Use clamp type “Romex” connectors, appropriately sized; on all field wiring chassis knock outs used for wire protection and strain relief.

9. Connect equipment ground to chassis at equipment ground bonding terminal only! Minimum 8 AWG CU required.

10. Identify AC load circuits on the AC Branch Circuit ID label above the circuit breakers on the unit front panel.



Model 6730 DC Wiring

12 VDC installations shall comply with ANSI/RVIA 12 V.

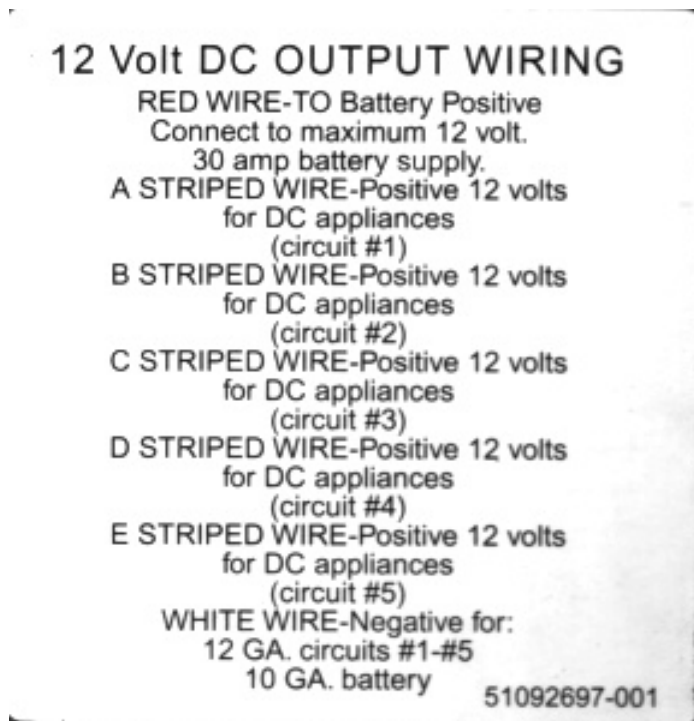
Use appropriately sized wire nuts for all DC load and battery supply circuit connections. Refer to the AC wiring label for wire nut recommendations. Isolate and properly terminate any unused circuit conductors.

All DC load circuits are 20-ampere maximum!

Fuse DC load circuits on unit front panel per recommended amperage limit of AWG wire size and insulation rating used for DC load circuits.



DC Wiring Label



1. Connect #10 RED DC output lead to battery positive wiring. # 10 AWG battery wiring with a 30-ampere battery breaker is recommended.
2. Connect Blue DC output lead labeled "A" to DC load circuit # 1 positive.
3. Connect Blue DC output lead labeled "B" to DC load circuit # 2 positive.
4. Connect Blue DC output lead labeled "C" to DC load circuit # 3 positive.
5. Connect Blue lead labeled "D" to DC load circuit # 4 positive.
6. Connect Blue lead labeled "A" to DC load circuit # 5 positive.
7. Identify DC load circuits on the DC Identification label to the left of the DC load fuses on the unit front panel.
8. Connect #10 AWG White to battery negative.
9. White # 12 AWG DC load negatives are for negative wiring connections for DC load circuits # 1-5.