



Conversion Spare Parts Kit from Polaris® SOL/EOS® to Jandy Pro Series PDA or AquaLink® RS Installation Instructions

⚠ WARNING

FOR YOUR SAFETY: This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exists. In the event no such state or local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty.

Turn off all power at the breaker panel before proceeding with these instructions. Failure to do so could result in an electrical hazard which could result in death or serious injury due to electrical shock, and may also cause damage to property.

Improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death.

These instructions are to be used with the following Jandy Replacement Kits:

IQ-POL-RSPS8 -- EOS/SOL Pool or Spa 8 to AquaLink RS Conversion Kit

EOSMETAL -- EOS/SOL Front Plates & Adapter Plates Conversion Kit

PDACONVPPS8 -- EOS/SOL Pool or Spa 8 to PDA Conversion Kit

⚠ WARNING

If the information in these instructions is not followed exactly, an electrical fire or shock hazard may result in property damage, personal injury, or loss of life.

1. Introduction

This document gives instructions for converting a Polaris SOL/EOS to Jandy AquaLink RS or PDA wireless systems.

The installation kit contains all parts required to modify an EOS power center and a small or large SOL power center. Before starting this procedure, refer to Figures 2, 3, and 4 to identify which parts go with the Polaris model being modified.

For technical assistance, please contact our Technical Service Department at (800) 822-7933.

These instructions must be followed exactly. Read through the instructions completely before starting the procedure. Please save these instructions.

2. Modification of the existing Power Center

⚠ WARNING

Risk of Electric Shock which can result In Serious Injury or Death. Before attempting installation or service, ensure that all power to the circuit supplying power to the system is disconnected or turned off at the circuit breaker. All wiring must be done in accordance with the National Electrical Code® (NEC), NFPA-70®.

In Canada, the Canadian Electrical Code (CEC), CSA C22.1, must be followed. All applicable local installation codes and regulations must be followed.

1. Turn off all power to the power center.
2. Remove the screws that secure the front panel. Remove the front panel.

3. Note all the relay connections for future reference. Unplug all relay connections from the Polaris control board.
4. Remove the Polaris control board panel and disconnect the power connection from the back of the control board.

3. Installation of the new Jandy PCB

1. Remove all components from the conversion box.
2. Place the door decal (wiring diagram), included in the box, over the existing door decal.
3. Secure the Jandy PCB to the small control panel provided with the kit.
4. Connect the power adapter wires, included in the kit, to the Polaris® power center transformer, then plug the adapter into the Jandy PCB.
5. Ground the power adapter green ground wire to the power center can as shown in Figure 1.
6. Secure the small control panel with the Jandy PCB to the Polaris power center. See Figures 2, 3, and 4.
7. Connect the wires from the relays to the Jandy PCB per your notes.
8. If applicable, rewire the red 4-pin terminal bar to the same four (4) wires that were used to wire the wireless indoor controller.
9. If applicable, follow the wiring diagram to wire the wireless indoor controller, heater, water temperature, air and solar sensors.

NOTE The EOS® shortcut remote is not compatible with the AquaLink® RS or PDA and should not be connected.

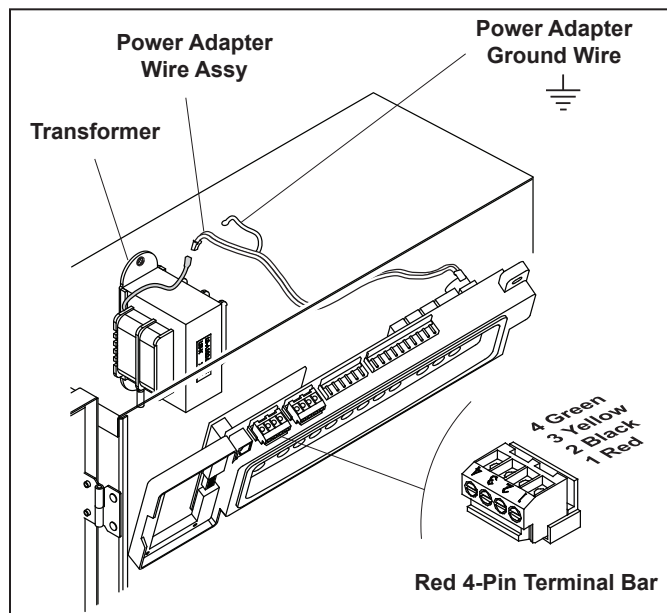


Figure 1. Installation of the Jandy PCB

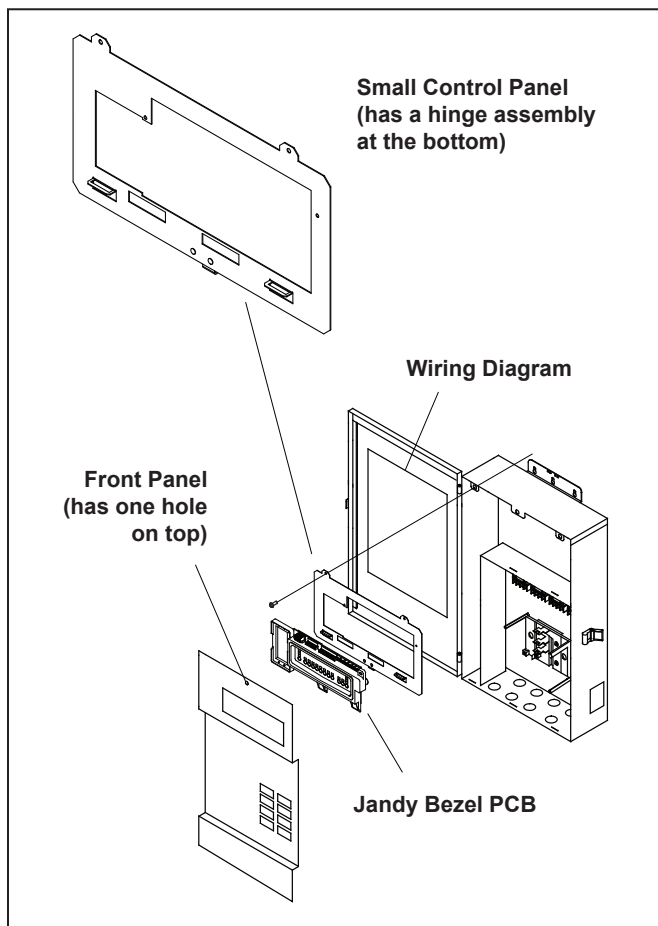


Figure 2. EOS Power Center

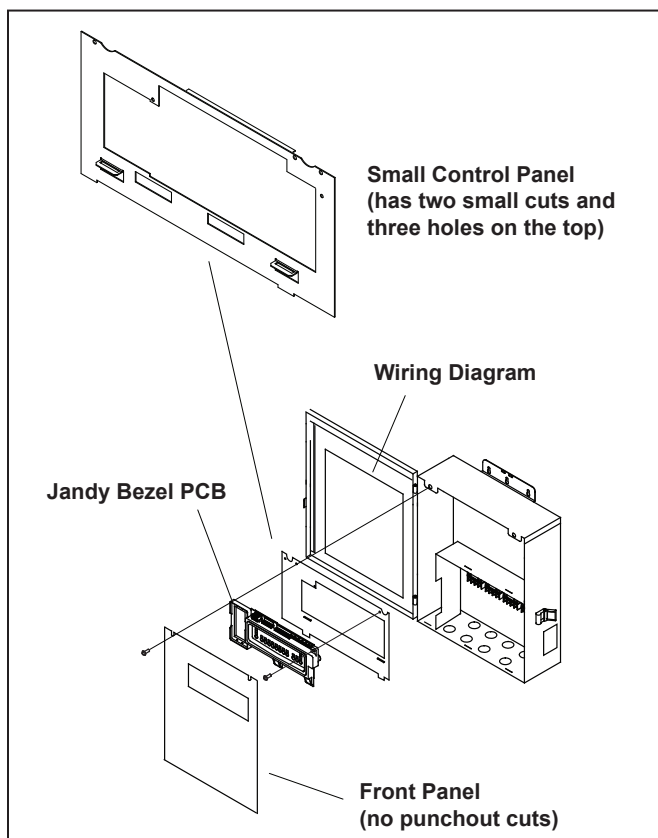


Figure 3. Small SOL Power Center

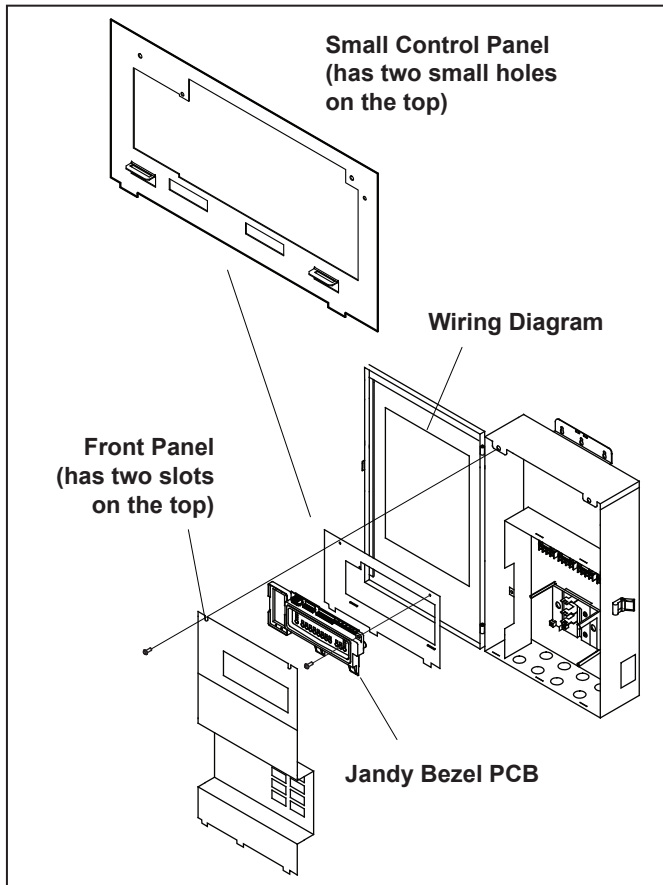


Figure 4. Large SOL Power Center

10. Turn on the power and press the override switch to "SERVICE" mode. Test each circuit, correct any errors, then press the override switch twice to move to "AUTO" mode.

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