

ELECTRICAL REQUIREMENTS AND INSTALLATION

The following information is provided for hooking up electrical supply to your new spa. A qualified, licensed, electrician must perform this work. Failure to follow these instructions will terminate all warranty coverage and can cause serious injury or death.

Codes and Compliance

North American 60 Hz	3X JETS, 2 PUMP	4X/5X/6X JETS 2/3 PUMPS
Voltage	240 VAC	240 VAC
Max Current Draw	37 A	48 A
Number of Wires	4	4
GFCI	50 A	60 A

Your export 50 Hz Artesian spa is preset out of factory to run 230 V 3wires 30 amp max input. This product must always be connected to residual current device (RCD) having a trip current of not more than 30 mA.

Electrical Wiring

WARNING: Your spa must be wired by a certified electrician and according to these instructions. Failure to do so will terminate all warranties and all listings from the independent listing facility.

- 1) The Island Spa requires a 240 VAC dedicated system. The spa must be hard wired to the power supply, with no plug-in connections, extension cords, or sharing of service.
- 2) The spa requires that you run 6 (10 mm²) or 8 (8.4 mm²) AWG copper wire, depending on the GFCI size. Do Not Use Aluminum Wire.
- 3) The power supply must have a suitable Ground Fault Circuit Interrupter (GFCI), according to Section 422-20 of the National Electrical Code, ANSI/NFPA 70-7987 or other national installation requirement with a residual current device (RCD) having a trip current of not more than 30 mA. This could be used as the shut-off switch, which must be installed in plain view of the spa. This electrical service must be readily accessible to the spa occupants, but must not be within 5 feet of the spa.
- 4) Use only non-metallic conduit and fittings when installing power to the spa.
- 5) After your spa has been positioned, route lines through the knockout on the left or right front corner of the spa.

6) Connect the power to the spa

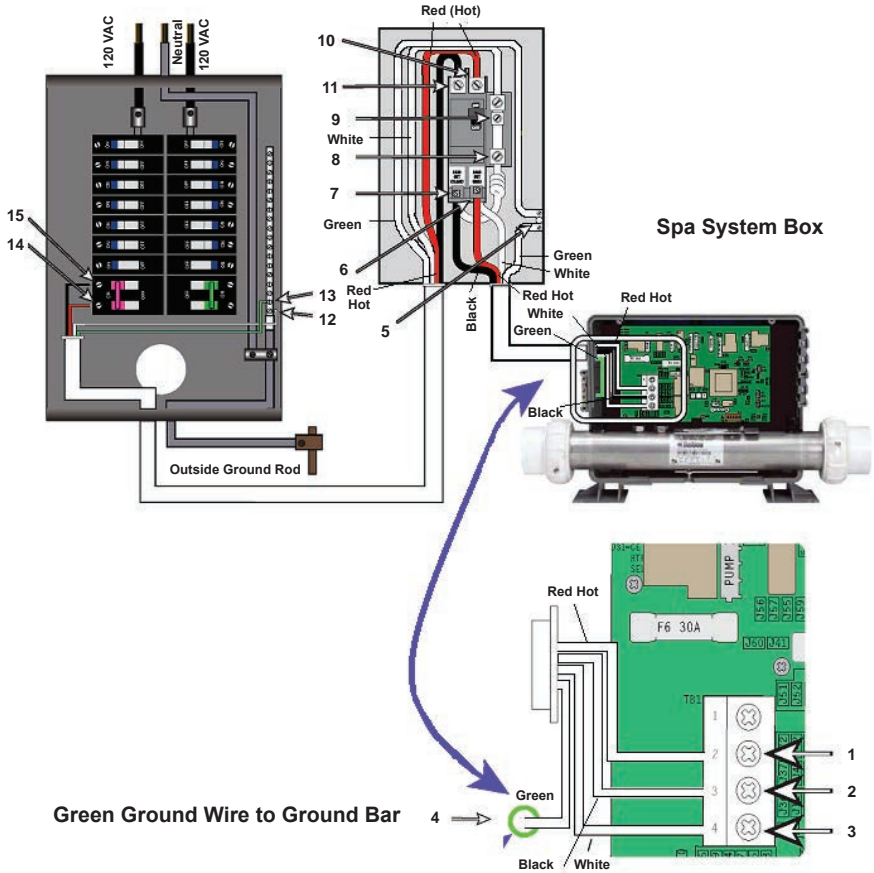
Connect each color to its respective terminal block location. The Ground (green) wire must be connected to the grounding terminal which is outside of the System box. The Grounding wire must first enter the system box and then access the grounding terminal via a hole on the side of the box adjacent to the grounding terminal as shown in the picture above.

60 Hz GFCI WIRING SCHEMATIC

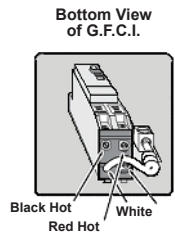
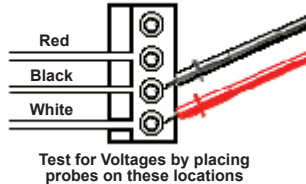
240 Volt Residential Wiring Schematic with G.F.C.I.

House Breaker Box

G.F.C.I. Breaker Box

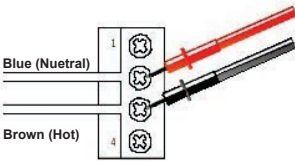
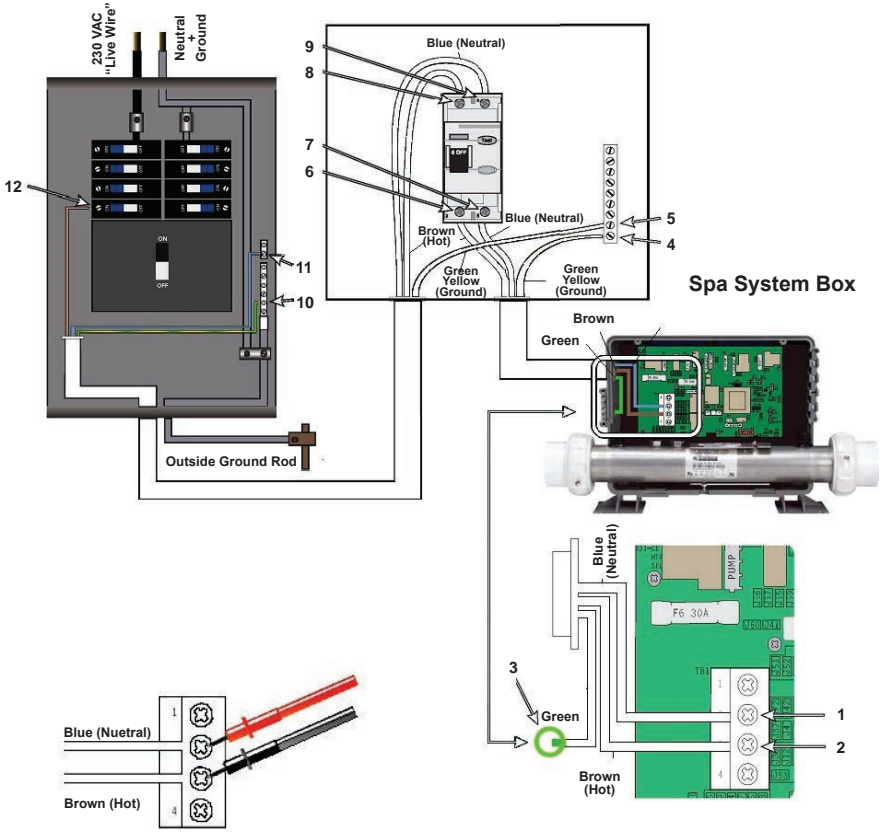


Correct Voltage	When Probes Are Placed Across
0v	[3-4] [5-8] [5-9] [12-13]
108V-132V	[1-3] [5-6] [5-10] [12-14] [13-14] [2-3] [5-7] [5-11] [12-15] [13-15]
216V-264V	[1-2] [6-7] [10-11] [14-15]



50 Hz RESIDENTIAL WIRING SCHEMATIC

230 Volt/50 Hz Residential Wiring Schematic with 2 Pole RCD Breaker Box
 230 VAC House Breaker Box RCD Breaker Box



Test for Voltages by placing probes on these locations