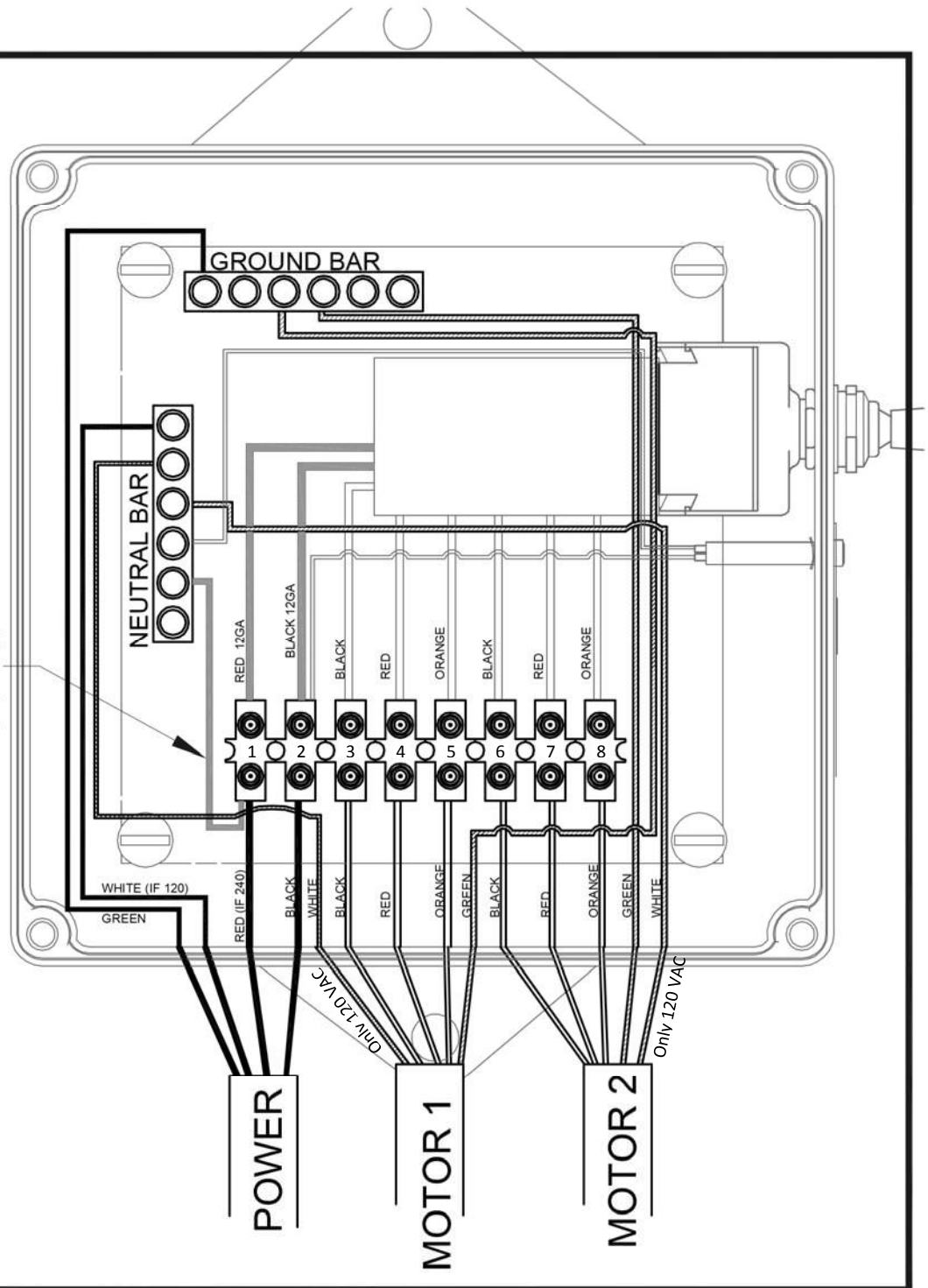


# Wiring Instructions for a 2 Motor Bonita Manual Control

NOTE: TORQUE ALL CONNECTOR SCREWS TO 7" POUNDS.

TO MAINTAIN THE ENVIROMENTAL RATING OF THIS ENCLOSURE, INSTALL IN ANY OPENING ONLY UL LISTED OR RECOGNIZED CONDUIT HUBS OR CONTROL DEVICES WITH THE SAME ENVIROMENTAL RATING AS THE ENCLUSURE. (4X)

REMOVE WIRE COMPLETELY IF WIRED FOR A 240 CIRCUIT.



For clarity, the terminal connections have been numbered 1-8 from left to right in the figure above. The terminal connections are not labeled inside the Bonita unit.

### Wiring for 230 VAC with Neutral

1. **Turn off power at the circuit breaker.** Confirm with a voltmeter that you have 0 volts. Confirm that you have the properly sized breaker and wire size by consulting the section “Boat Lift Electrical Requirements” of the lift installation manual.
2. Remove face plate screws and slowly lift face plate up to expose electrical connections.
3. Wiring the Main Feed Connections: Connect the main feed BLACK to terminal #2, 2<sup>nd</sup> from left. Connect the main feed RED to terminal #1, first from left. Connect the main NEUTRAL (White) to the neutral bar on the left side of the box. Connect the main GROUND (Green or bare copper) to the ground bar at the top of the box.
4. **Disconnect the jumper wire between terminal 1 and the neutral bar.**
5. Wiring Motor #1: Confirm that you have wired the motors for 230 VAC according to instructions in the section “Electrical: Motor Wiring” of the lift installation manual. Connect the BLACK motor wire to the terminal labeled “3” in the figure above. Connect the RED motor wire to the contact labeled “4” in the figure above. Connect the ORANGE motor wire to the contact labeled “5” in the figure above. Finally, connect the green wire from the motor to the ground bar at the top of the box. Green wires must only be used as a ground. **It is unsafe to use a ground as a neutral.**
6. Wiring Motor #2: Connect the BLACK motor wire to the terminal labeled “6” in the figure above. Connect the RED motor wire to the contact labeled “7” in the figure above. Connect the ORANGE motor wire to the contact labeled “8” in the figure above. Finally, connect the green wire from the motor to the ground bar at the top of the box.
7. Replace the face plate and attach with screws.
8. Read your Imm Quality owner’s manual for operating instructions.

### Wiring for 120 VAC (2 wires + ground)

1. We recommend that you wire your Bonita Remote at 230 VAC with a neutral. You may follow these instructions if you wish to wire your lift with 120 VAC. 120 VAC may only be used with  $\frac{3}{4}$  h.p. motors. **Do not use 120 VAC with 1 h.p. or larger motors.**
2. **Turn off power at the circuit breaker.** Confirm with a voltmeter that you have 0 volts. Confirm that you have the properly sized breaker and wire size by consulting the section “Boat Lift Electrical Requirements” of the lift installation manual.
3. Remove face plate screws and slowly lift face plate up to expose electrical connections.
4. Wiring the Main Feed Connections: Connect the main feed BLACK to terminal #2, 2<sup>nd</sup> from left. Connect the main NEUTRAL (White) to the neutral bar on the left side of the box. Connect the main GROUND (Green or bare copper) to the ground bar at the top of the box.
5. Wiring Motor #1: Confirm that you have wired the motors for 120 VAC according to instructions in the section “Electrical: Motor Wiring” of the lift installation manual. Connect the BLACK motor wire to the terminal labeled “3” in the figure above. Connect the RED motor wire to the contact labeled “4” in the figure above. Connect the ORANGE motor wire to the contact labeled “5” in the figure above. Connect the white “neutral” wire from the motor to the neutral bar on the left side of the box. Finally, connect the green wire from the motor to the ground bar at the top of the box. Green wires must only be used as a ground. **It is unsafe to use a ground as a neutral.**

6. Wiring Motor #2: Connect the BLACK motor wire to the terminal labeled “6” in the figure above. Connect the RED motor wire to the contact labeled “7” in the figure above. Connect the ORANGE motor wire to the contact labeled “8” in the figure above. Connect the white “neutral” wire from the motor to the neutral bar on the left side of the box. Finally, connect the green wire from the motor to the ground bar at the top of the box.
7. Replace the face plate and attach with screws.
8. Read your Imm Quality owner’s manual for operating instructions.