





Verify Ozone output connector wiring by using a voltmeter.

## Wiring and Installation Instructions

Ozone by Balboa is the most reliable and flexible system on the market. The unit can be easily adapted to operate at 120 or 240 volts and with any of the required AMP connector pin positions.

Whenever possible, it is best to use the old ozone generator as your guide for installing the connector on the new Balboa ozonator. Be careful with the orientation of the connector and notice the flat sides on the outer two prongs. Generally black and white wires used on the old unit will indicate 120V operation and Black and Red wires will indicate 240V operation. Confirm this with markings on the old unit and the wiring diagram inside the system box. The wires are usually visible on the inside of the box and can be used as a guide but should not be totally relied on for voltage indication.

Another method is to measure the voltage from the ozone output of the system with a voltmeter. This will require the system to be on and the ozone output to be energized. This will also require at least one pump to be running and/or a filter cycle to be activated. Use a voltmeter to determine if the ozone connector delivers 120 or 240V.

**WARNING:** High voltage would be present during this operation. Use extreme caution, especially if the system box is open.

**NOTE:** In order to extend the life of the Balboa Ozone Generator, it is recommended that it only run when the filtration pump is running. Bear in mind that the ozone produced is only useful when this pump is running. If the ozone wiring is designed to constantly run an ozone generator, **TURN THE SYSTEM POWER OFF AT THE BREAKER** and use the blue IDC connectors to wire the ozone connector in the box to the filtration pump leads. Use the wiring diagram in the system to verify these leads. Be sure you wire the new Balboa Ozone Generator so it uses the same voltage as the filtration pump.

**CAUTION:** Once the pins are installed, they cannot be removed without a special tool. Be sure you are positive about the wire positions before installing the connector. Mis-wiring the unit will void its warranty.

It may be helpful to plug in the empty AMP connector to the system ozone output before attaching the wires in order to verify wire positions. Remove the empty connector and install the pins as described below.

Installing the pins is simple. Just push them into the back of the empty AMP connector and you will feel them "click" into position. A slight tug is all that is needed to be sure the terminal is seated.

**For 240 volt installation:** black (line), red (line), open (no pin) green (ground), would be a typical order.

A 240 volt installation will not utilize the white wire. Install that pin into the OPEN (no pin) position in the new connector.

**For 120 volt installation:** black (line), open (no pin), white (neutral), green (ground), would be a typical order.

A 120 volt installation will not utilize the red wire. Install that pin into the OPEN (no pin) position in the new connector.

The unit is now ready to connect to the system.