

- In normal operation, the up and down arrows are used to set the output level of the chlorinator.
- The output should be adjusted in order to achieve the desired Free Available Chlorine level of 2-4 ppm.
- The back/save button will save any changes you have made in the menu and send you back to the previous menu screen. The select button will scroll through and open any available parameters for editing.

BOOST - Can be used to maximize chlorine output for a short period of time. To activate BOOST, press and simultaneously. Boost will end after 24 hours. To turn off BOOST, press .

LOW - Can be used to minimize chlorine output while activated. To activate LOW, press and simultaneously. LOW will stay active indefinitely. To turn off LOW, press .

Setting the Chlorine Output Level

Factors to consider:

- number of gallons in the pool
- number of bathers (bather load)
- pollen and dust concentration
- number of hours the pump runs
- single or variable speed pump use
- climate and water temperature
- amount of introduced rain water

Pools at <15K gallons start at 40%.
Pools at 25K - 30K gallons start at 60%.

If these levels do not result in 2 - 4 PPM chlorine residual, raise the output level.

If the output level is >90% and tested water shows insufficient chlorine residual, you may need to shock the pool or add Cyanuric Acid (CYA) to protect against UV degradation.

More pump runtime will result in more chlorine in the water.

It may take several adjustments over several days to find the right production rate for your application.

*When connected to an automation system via RS485, full control of the TruClear system is given over to the automation controller. No functionality will persist at the TruClear UI. In order to control the TruClear from the UI, the automation system must first be placed into service mode. For details on service mode please consult the operation manual for the controller you are using as follows:
• AquaLink RS: 6594 • Z4: H0386500 • PDA: H0572300

Important Safety Instructions

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 exist, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in the installation 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. Improper installation and/or operation can create unwanted

electrical hazard which can cause serious injury, property damage, or death. Turn off all circuit breakers supplying power to the equipment you are intending to service or install in order to prevent the possibility of electric shock.

Included installation and operation manual (H0470600), also available online at www.ZodiacPoolSystems.com or by calling:
USA: 1-800-822-7933
CANADA: 1-888-647-4004
AUSTRALIA: 1800-688-552

All electrical work must be performed by a licensed electrician and conform to all national, state, and local codes. When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

WARNING

EQUIPMENT UNDER PRESSURE: Always turn pump off prior to installing or servicing the power pack or cell. Your pump/filter system is operated under pressure and the pressure must be released before you begin work. Please see your pump/filter owner's manual for further instructions.

To reduce the risk of electric shock, fire or injury, service should only be attempted by a qualified pool service professional.

Jandy® Pro Series chlorine generating devices are designed for domestic (residential) swimming pool use only. Contrary use could affect performance, void warranty, and may result in property damage, serious injury, or death.

- Operating a chlorine generator without water flowing through the cell may cause a build up of flammable gases, resulting in fire or explosion.
- Keep equipment out of reach of children.
- A damaged supply cord should only be replaced by the manufacturer, service agent or electrician.
- When installing and using this electrical equipment, always follow basic safety precautions.
- Before performing installation, disconnect all power.
- Connect to a circuit that is protected by a ground-fault circuit interrupter (GFCI).

- Do not install within an outer enclosure or beneath the skirt of a hot tub or spa.

Installation must be done in accordance with the National Electrical Code® ("NEC®" or NFPA-70®) in the US, the Canadian Electrical Code ("CEC" or C22.1) in Canada, and/or any other local and national installation codes.

RISK OF ELECTRIC SHOCK, FIRE, PERSONAL INJURY, OR DEATH. Connect only to a branch circuit that is protected by a ground-fault circuit interrupter (GFCI). Contact a qualified electrician if you cannot verify that the circuit is protected by a GFCI. Make sure such a GFCI is provided by the installer and should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the pump without the test button being pushed, a ground current is flowing, indicating the possibility of electrical shock. Do not use the device. Disconnect the device and have the problem corrected by a qualified service representative before using.

A green/yellow grounding wire is provided inside the power pack. To reduce risk of electric shock, connect the ground wire to the grounding wire that is supplying power to the unit.

The power pack must be interlocked/interconnected with the pool pump motor power source to ensure that the chlorinator only operates when the pool pump is operating.



TruClear™ Chlorine Generating System

1 Installing the Power Pack

REFER TO OWNER'S MANUAL FOR PROPER INSTALLATION. IMPROPER INSTALLATION AND/OR OPERATION WILL VOID THE WARRANTY.

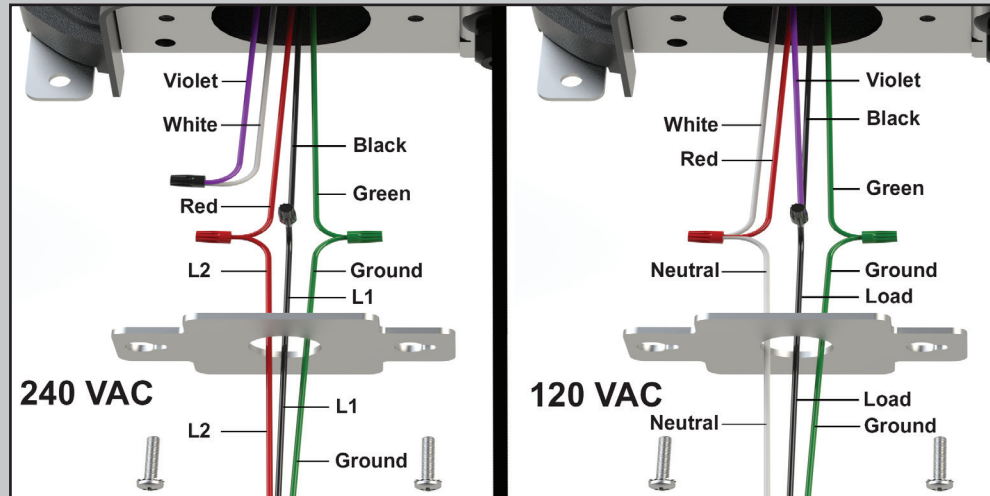
1. Install at least 2 feet (0.6 m) above the ground. Protect from water spray and mechanical impact. Keep out of reach of children. Consult and comply with all applicable local and national installation codes and/or regulations, as may be enforced by local Authorities Having Jurisdiction (AHJ's) or Competent Authority.
2. Install the power pack a minimum of 5 feet (1.5 m) in the US, 10 feet (3 m) in Canada, from the inside wall of your pool or spa.
3. The center distance between holes is 10 inches. Use a level and the template at right in order to locate the exact position of the holes.
4. Drill holes and install wall anchors and screws.
5. Hang the Power Pack from the top two keyholes on the backplate.
6. With the power pack in place, mark the position of the bottom two holes.
7. Remove the power pack, drill the bottom two holes and install the wall anchors.
8. Hang the power pack from the top two screws and drive in the bottom screws.



3

Wiring the Power Pack to the Power Source

1. Run 12 AWG (3.3 mm²) insulated wire and flexible conduit from the LOAD side of the pool pump timer/automation relay so that the TruClear will only receive power when the pool pump is turned on. See Wiring Diagram.



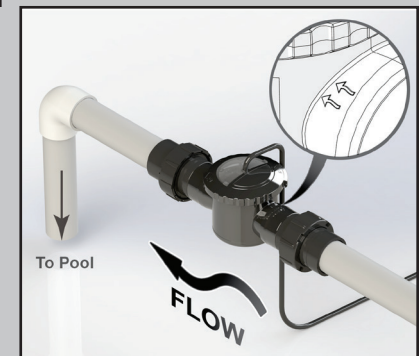
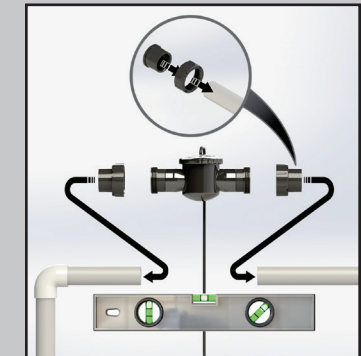
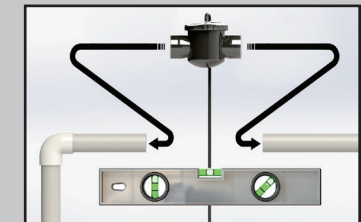
2. Remove 2 screws lock washers and the electrical mounting plate.
3. Feed power cable through the mounting plate, and connect the conduit to the mounting plate.
4. Make the wire connections.
5. Place all of the wire connections and cables inside the power pack and secure the mounting plate tightly.
6. Plug the cell into the power pack.

7. Once connection has been made, the User Interface (UI) should display "Standby ±".
8. Follow the instructions for your automation system to continue with device set up and schedules.
9. Once proper communication is confirmed, reinstall the RS485 connector bracket into the power pack body.
10. If proper communication is not established begin with step 3 and retrace the above steps.
11. If communication is still not established please call technical support at 800-822-7933.

5

Installing the Cell

1. Install the cell as the last piece of equipment before the return inlet to the pool.
2. Install on a pipe segment at least 16 inches long, which runs within ± 5° of level (parallel to the ground). The cell must not be mounted on a vertical, or sloping pipe.
3. The cell must be mounted upright with view window facing up.
4. Cut the PVC pipe to accommodate the cell. The removed segment will be 6 inches for a standard installation (no threaded unions) and 14.5 inches for the retrofit installation (with threaded unions).
5. Remove the cell from the housing.
6. Using properly rated PVC cement, plumb the housing into the pipe, making sure that the flow indicator arrows on the housing match the flow direction of the water. Pipes must be clean and dry before gluing.
7. Let the system dry per instructions provided by the PVC cement manufacturer. When the cement is dry, start the system and check for leaks and confirm correct water flow direction.

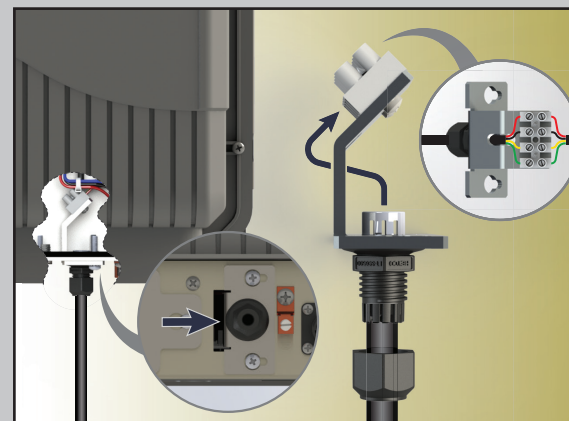


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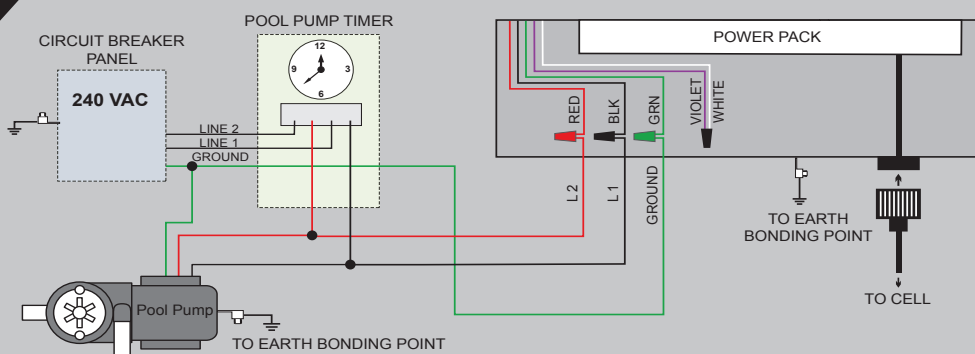
Install RS485 for Jandy Automation

The power pack comes equipped with a slide out RS485 connector. The RS485 connector is used to connect the Jandy TruClear chlorination system to a new or existing AquaLink® Automation System.

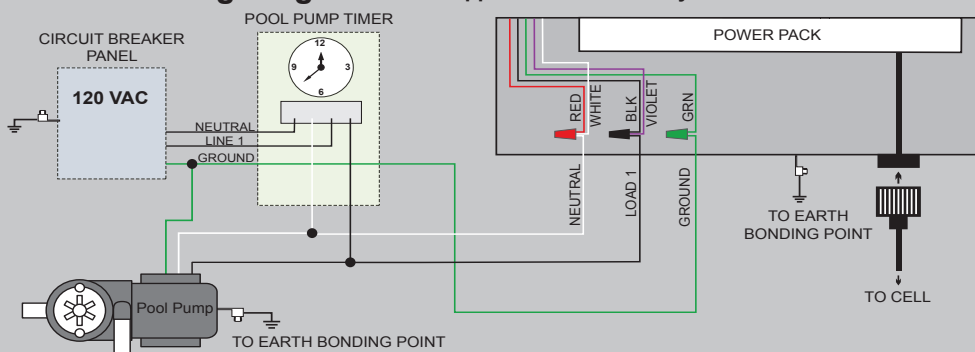
1. Loosen DO NOT REMOVE the two screws securing the RS 485 connector bracket in place.
2. Slide out and expose the 4 pin RS485 connection terminal.
3. From an open auxiliary on your automation system run the RS485 cable to the 4 pin RS485 connection terminal.
4. Unscrew cable fitting nut, pass RS485 wires through and re secure nut.
5. Pass wires through center slot on bracket.
6. Use a small flat head screwdriver to install the wires from the automation system. Match the colors to the wires already installed from the power pack.



2 240 Wiring Diagram - Use Copper Conductors Only - Rated for 90° C Minimum



120 Wiring Diagram - Use Copper Conductors Only - Rated for 90° C Minimum



WARNING

The Jandy Pro series chlorine generating electrolytic cell must be installed outdoors only. The cell must be installed horizontally with the cord facing upwards to avoid buildup of flammable gases, which can result in FIRE or EXPLOSION