



TECHNICAL TRAINING

JANDY® AQUALINK® TCX™
CONTROLLER



CUSTOMER OPERATIONS Contact Information

REGIONALIZED POOL PROFESSIONAL SUPPORT

Whenever you need support on any Fluidra® product, program or service, you will work with your own dedicated team of professionals. They will get to know you, your area and your business. Service has never been so personal, and so simple!

1. Call 1.800.822.7933
2. Select option for Customer and Technical Support
3. Select your language
4. Select Pool Professional
5. Enter your extension which is only for pool professionals

It is critically important that you do NOT supply your extension to pool owners

Region	Ext.	Email Address	Customer Support Hours	Technical Support Hours
SOUTHEAST: FL, GA, SC, NC, AL, MS, LA	3500	3500@fluidra.com	6AM – 3PM (PST)	5AM – 3PM (PST)
NORTH: ND, SD, MN, IA, WI, IL, IN, KY, TN, AL, MS, WV, VA, MD, DE, NJ, PA, MI, NY, CT, MA, NH, VT, ME, RI, OH	3600	3600@fluidra.com	6AM – 3PM (PST)	5AM – 3PM (PST)
CENTRAL: NE, KS, MO, OK, AR, TX	3700	3700@fluidra.com	7:30AM – 4:30PM (PST)	6AM – 4PM (PST)
WEST: HI, CA, OR, WA, ID, NV, AZ, NM, CO, UT, WY, MT	3800	3800@fluidra.com	8AM – 5PM (PST)	7AM – 5PM (PST)
INTERNATIONAL	4000	4000@fluidra.com	7AM – 4PM (PST)	5AM – 2PM (PST)

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MODEL TCXP

Model: TCXP

Description: AquaLink® TCX™ Pool Only Automation Bundle

TCX Power Interface Board
w/ Enclosure



Command
Hub



Wireless Light Switch



Sensors



Water



Air

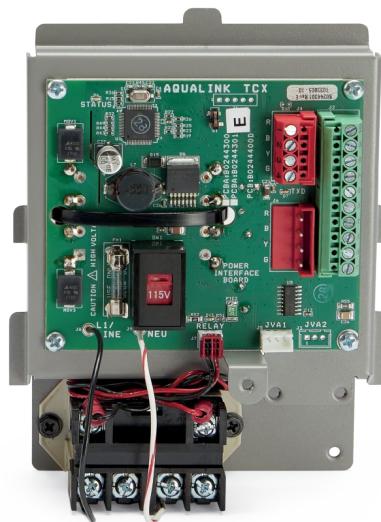
NOTES _____

MODEL TCXCONV

Model: TCXPCONV

Description: AquaLink® TCX™ Pool Only Automation Conversion Kit

TCX Power Interface Board



Command Hub



Sensors



Water

Air

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EASY CONVERSION

Innovative design seamlessly fits into the most popular timeclock enclosures for an easy upgrade.



Pool professional removes the old timeclock.

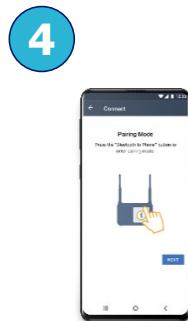
(keep the existing enclosure or replace with a new one if necessary)



Snap in the new TCX™ power board.



Mount the TCX command hub interface, connect sensors, wire the relay and additional devices.



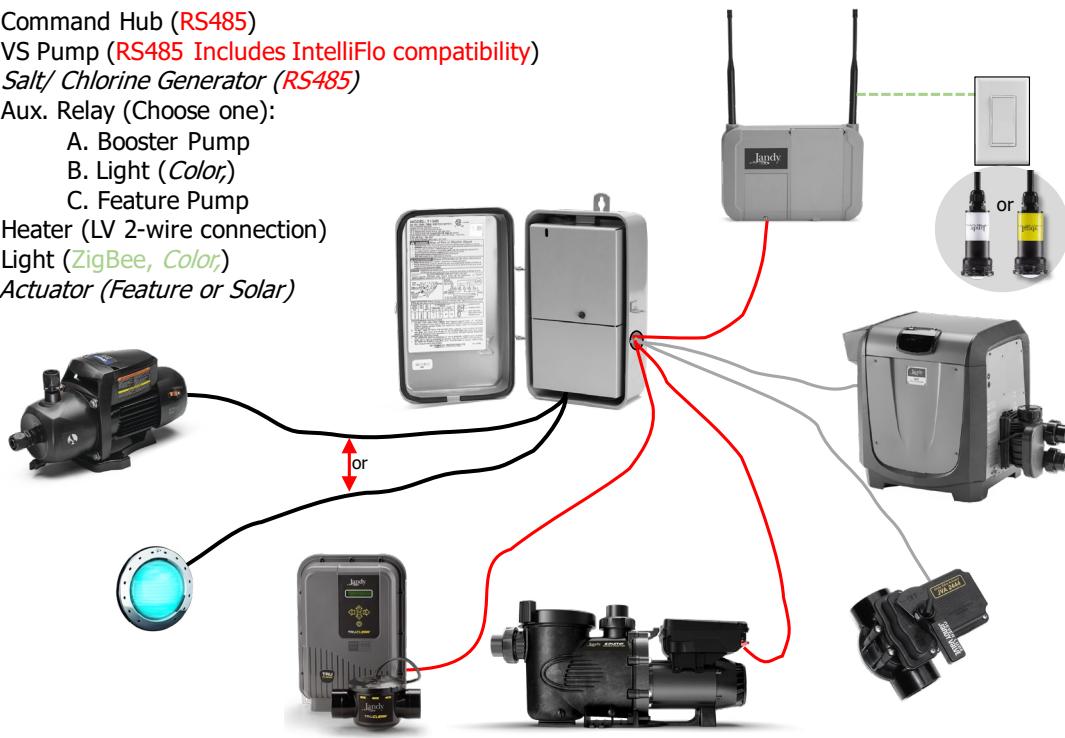
Use the iAquaLink™ app to sync phone via Bluetooth. Then connect to Wi-Fi and control the pool.

Typical conversion performed in one hour or less

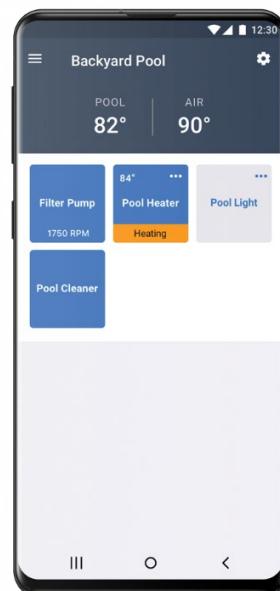
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FEATURES

1. Command Hub ([RS485](#))
2. VS Pump ([RS485 Includes IntelliFlo compatibility](#))
3. Salt/ Chlorine Generator ([RS485](#))
4. Aux. Relay (Choose one):
 - A. Booster Pump
 - B. Light ([Color](#))
 - C. Feature Pump
5. Heater (LV 2-wire connection)
6. Light ([ZigBee](#), [Color](#))
7. Actuator ([Feature or Solar](#))



Remote pool control
and status



Air and Water temperature

Single or Variable
speed pump status
and control

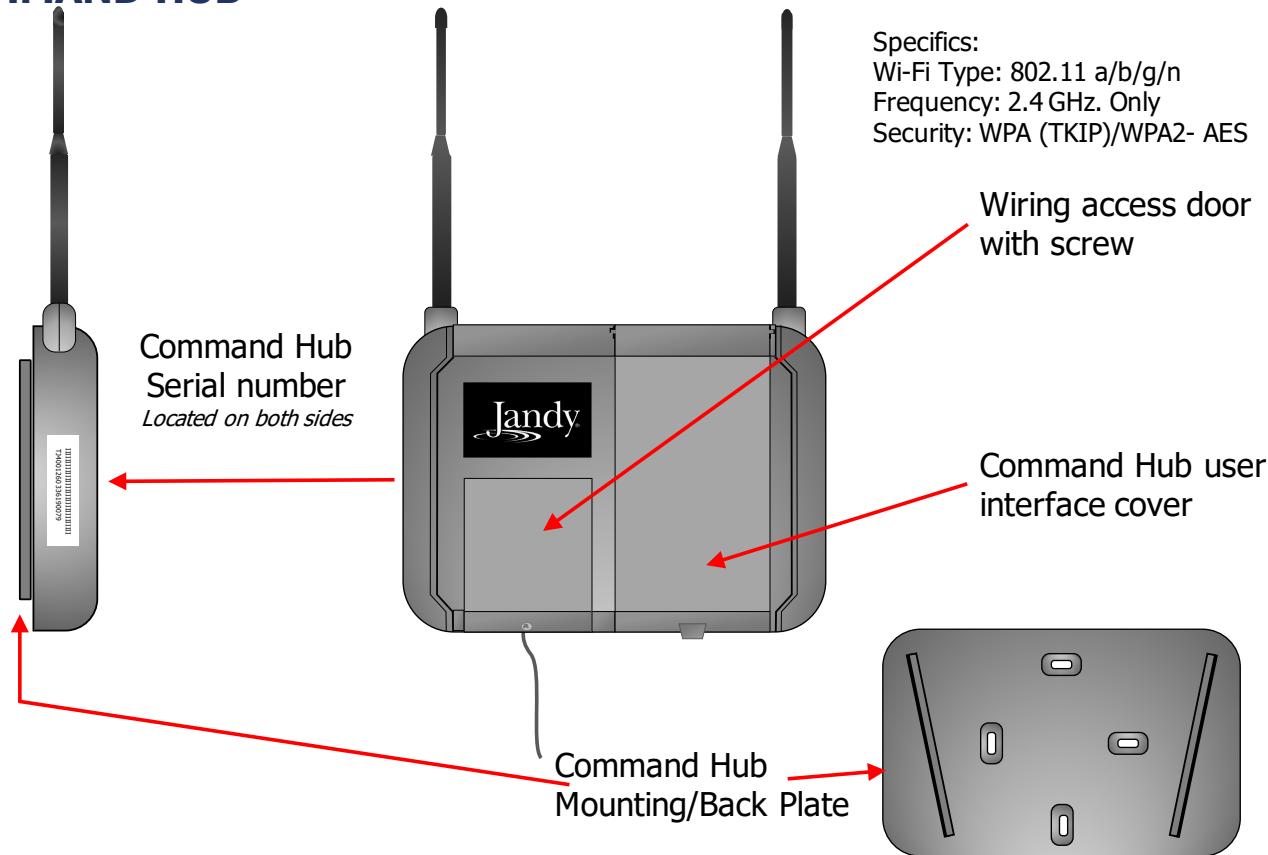
Heater control and status

Control accessories

Upgradeable

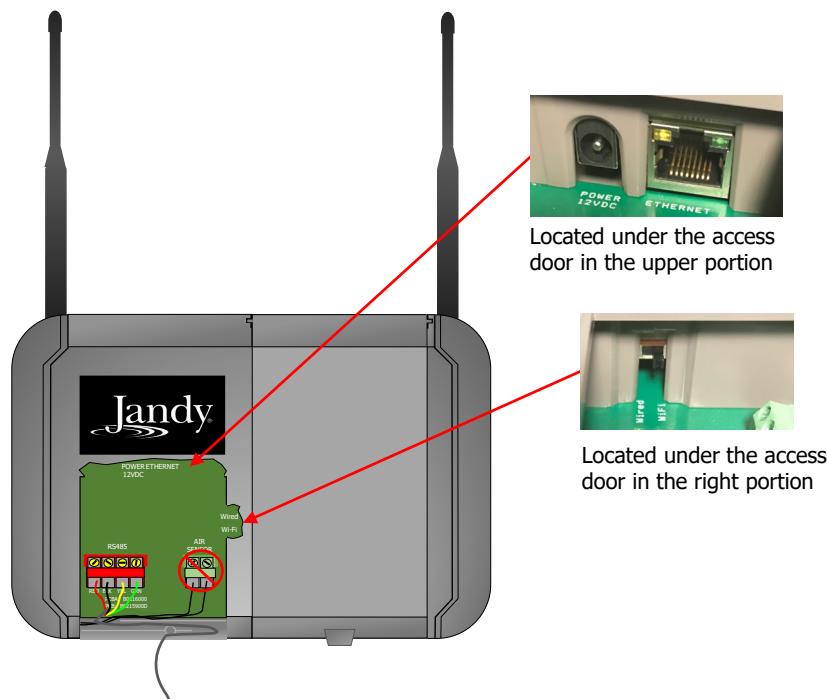
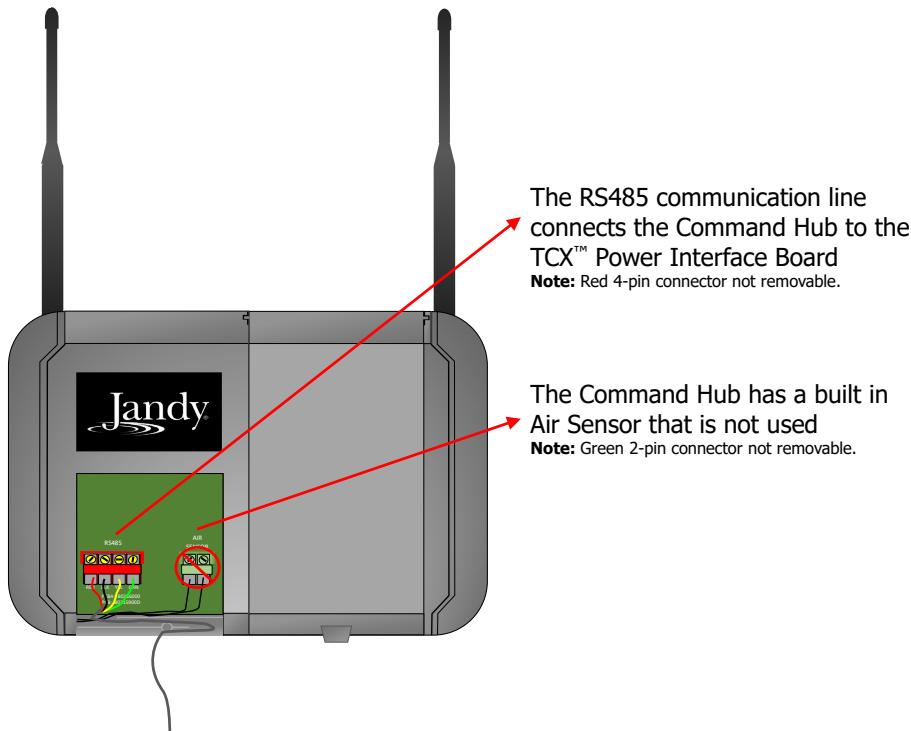


COMMAND HUB

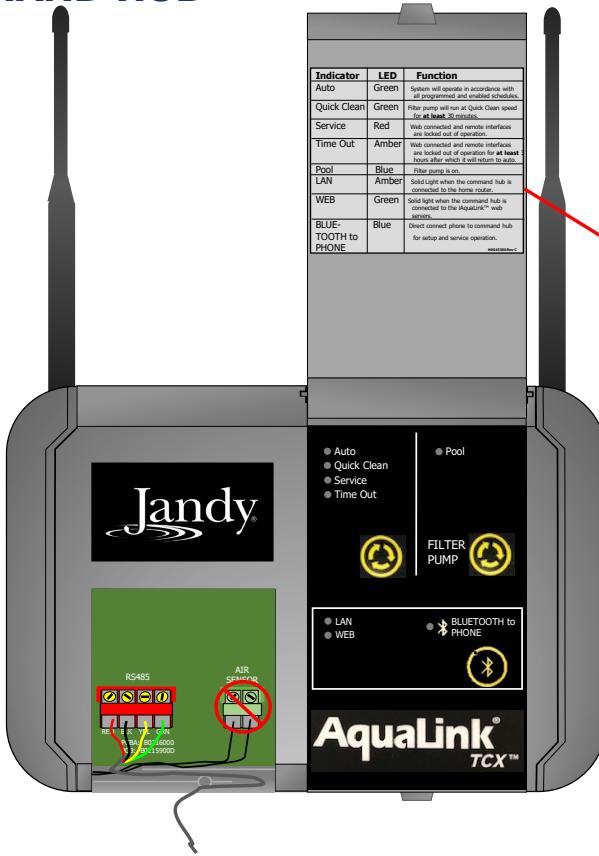


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COMMAND HUB



COMMAND HUB



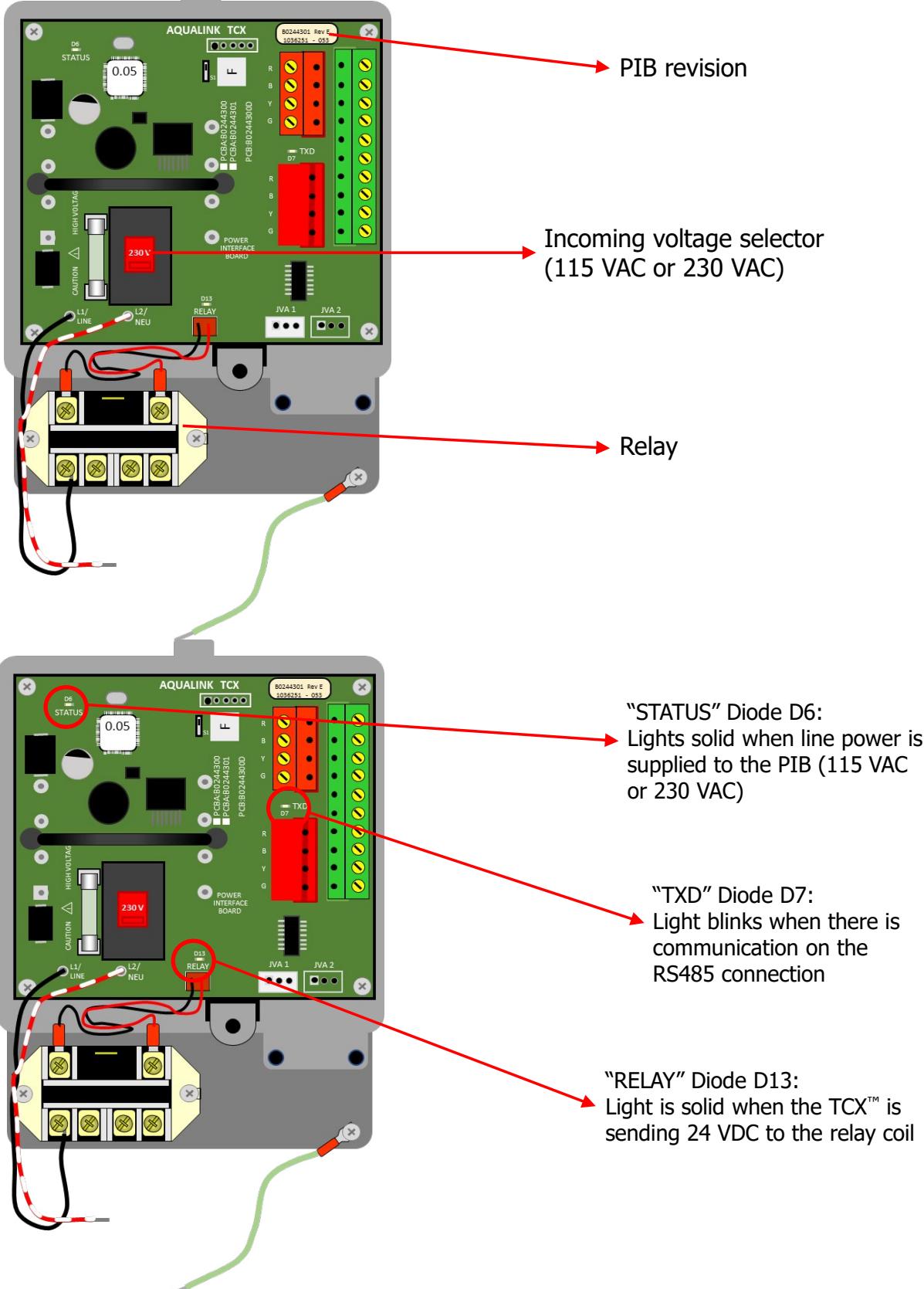
Indicator	LED	Function
Auto	Green	System will operate in accordance with all programmed and enabled schedules.
Quick Clean	Green	Filter pump will run at Quick Clean speed for at least 30 minutes.
Service	Red	Web connected and remote interfaces are locked out of operation.
Time Out	Amber	Web connected and remote interfaces are locked out of operation for at least three hours after which it will return to auto.
Pool	Blue	Filter pump is on.
LAN	Amber	Solid Light when the command hub is connected to the home router.
WEB	Green	Solid light when the command hub is Connected to the iAquaLink™ web servers.
BLUE-TOOTH to PHONE	Blue	Direct connect phone to command hub for setup and service operation.

H0643300 Rev C

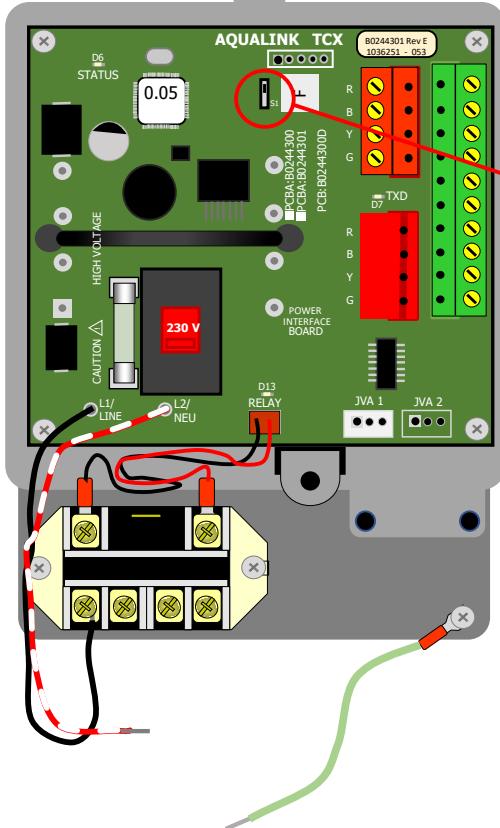
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POWER INTERFACE BOARD (PIB)



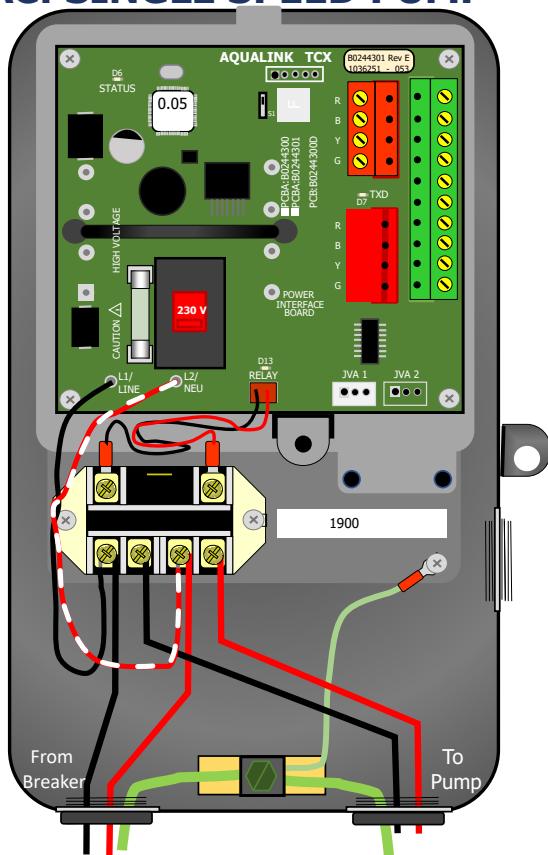
MAIN HEADER



"S1" Button:
This is used internally for diagnostics. Pushing it will not do anything except cause the D6 Status LED to turn off momentarily.

NOTES

220 - 240 VAC: SINGLE SPEED PUMP

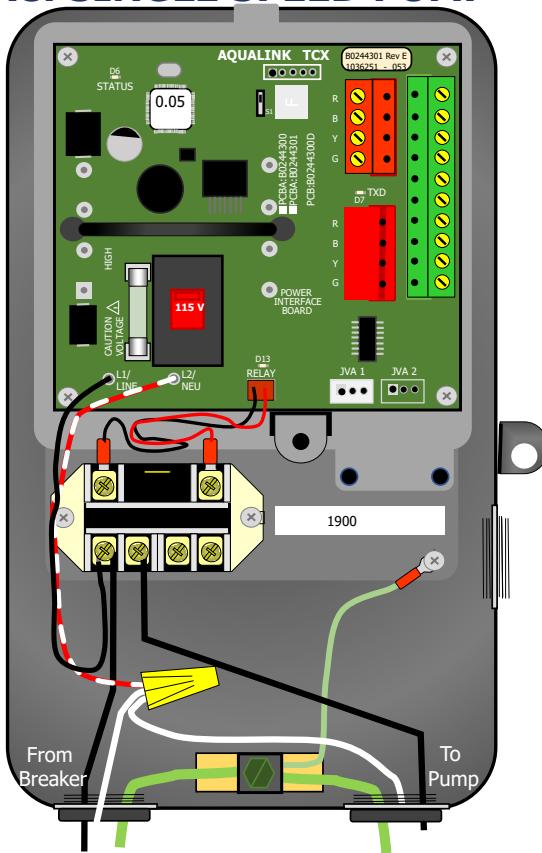


Wiring Notes:

- Line voltages from the breakers go to terminals 1 & 3. These double up and supply power to the TCX™.
- The red voltage selector should be set to "230 V" prior to turning on the breaker.
- When the pump is activated, the relay sends voltage to the pump on terminals 2 & 4.

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110 - 120 VAC: SINGLE SPEED PUMP

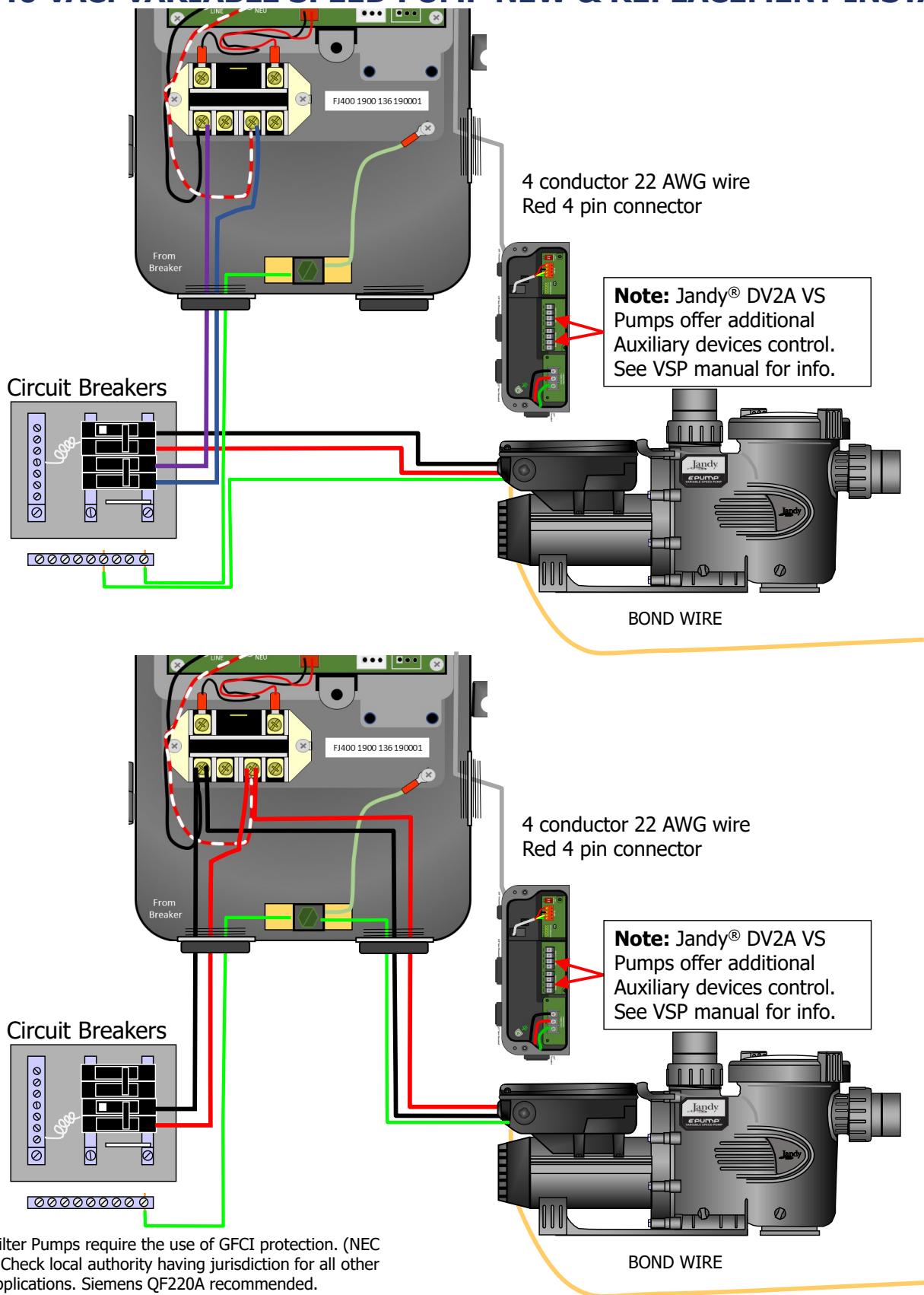


Wiring Notes:

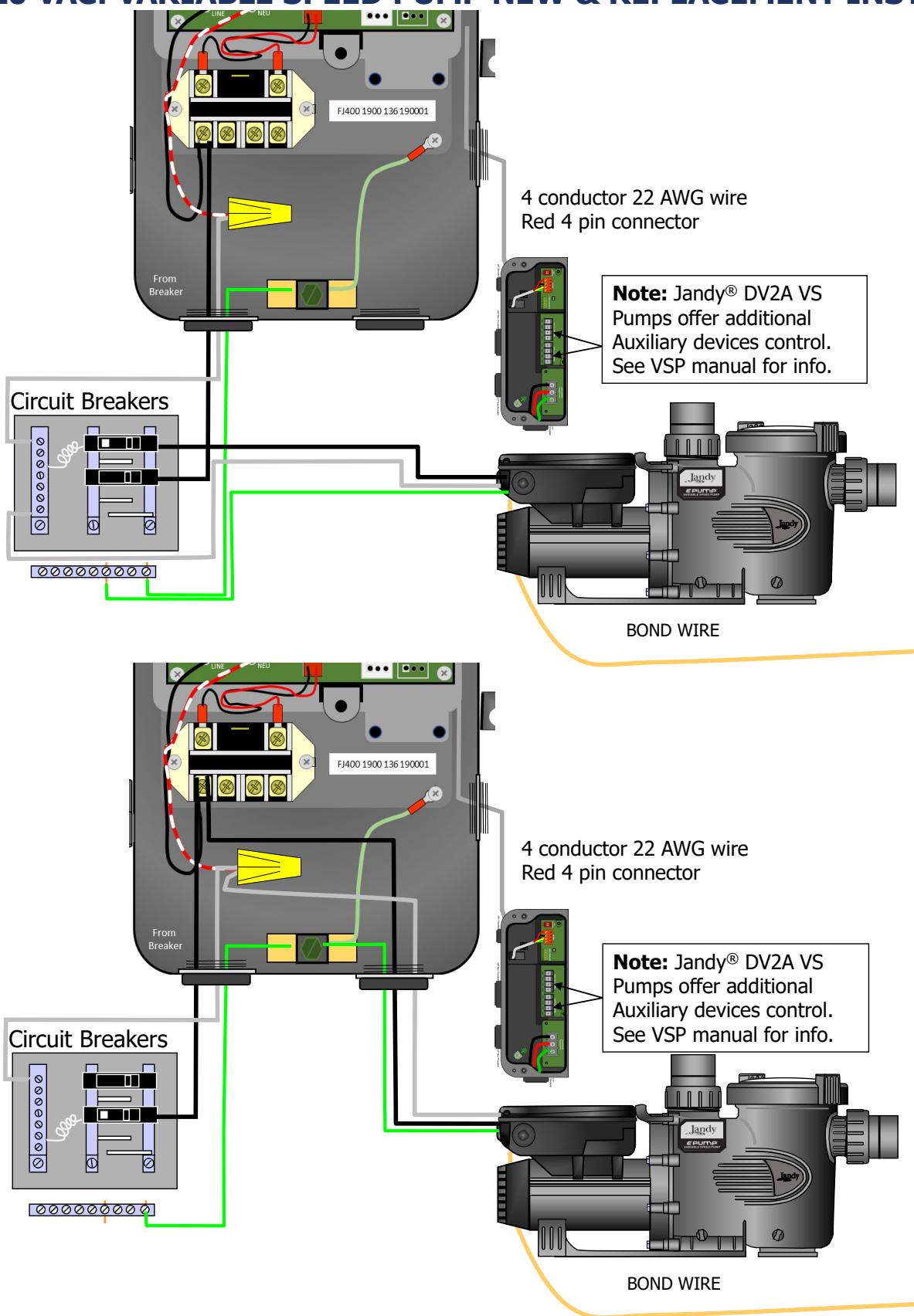
- Line voltage from the breaker goes to terminal 1. This is doubled to send supply power to the TCX™.
- The neutral line is connected to the white/red wire for the TCX, and with the neutral to the pump, using a wire nut.
- The red voltage selector should be set to "115 V" prior to turning on the breaker.
- When the pump is activated, the relay sends voltage to the pump on terminal 2.

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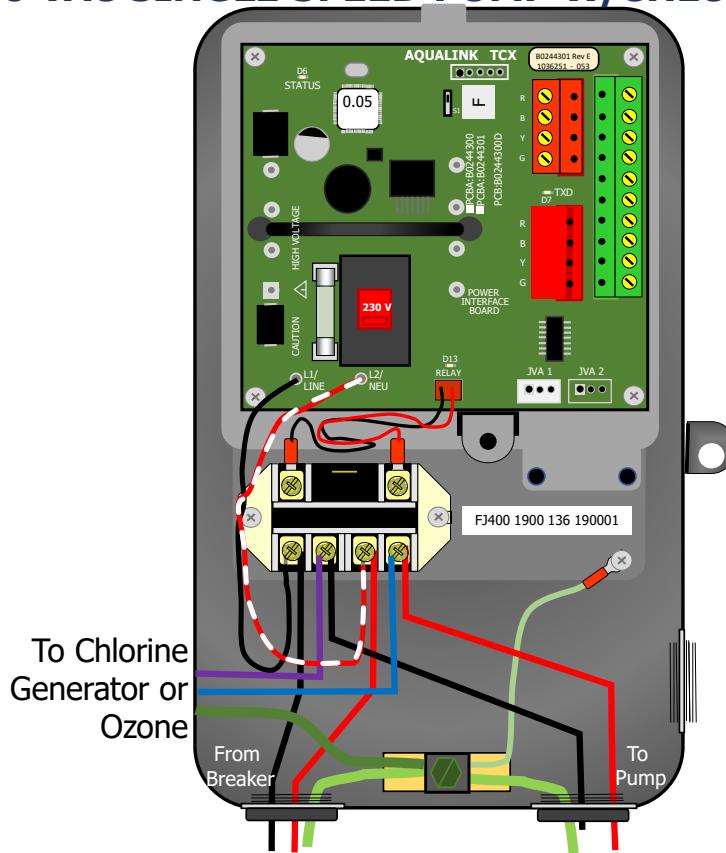
220-240 VAC: VARIABLE SPEED PUMP NEW & REPLACEMENT INSTALL



110-120 VAC: VARIABLE SPEED PUMP NEW & REPLACEMENT INSTALL



240 VAC SINGLE SPEED PUMP W/CHLORINE GENERATOR OR OZONE

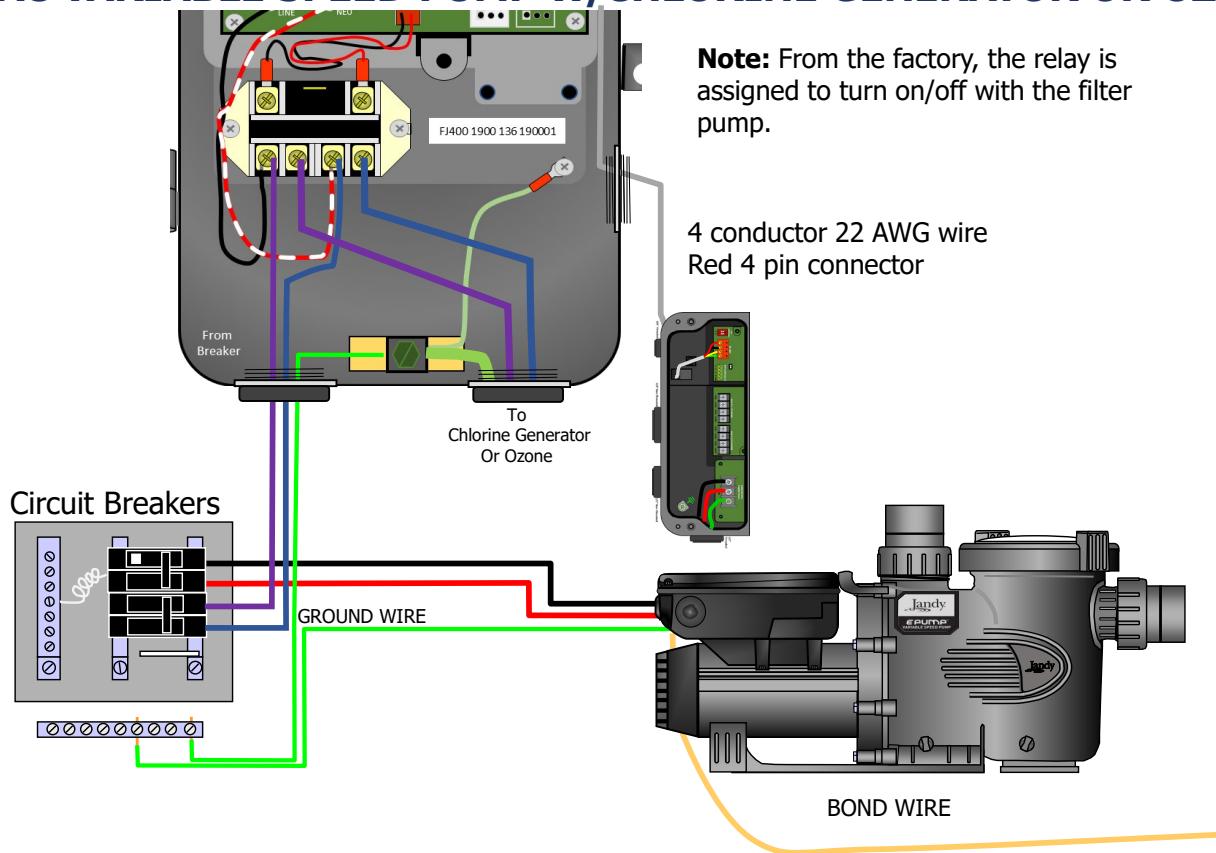


Wiring Notes:

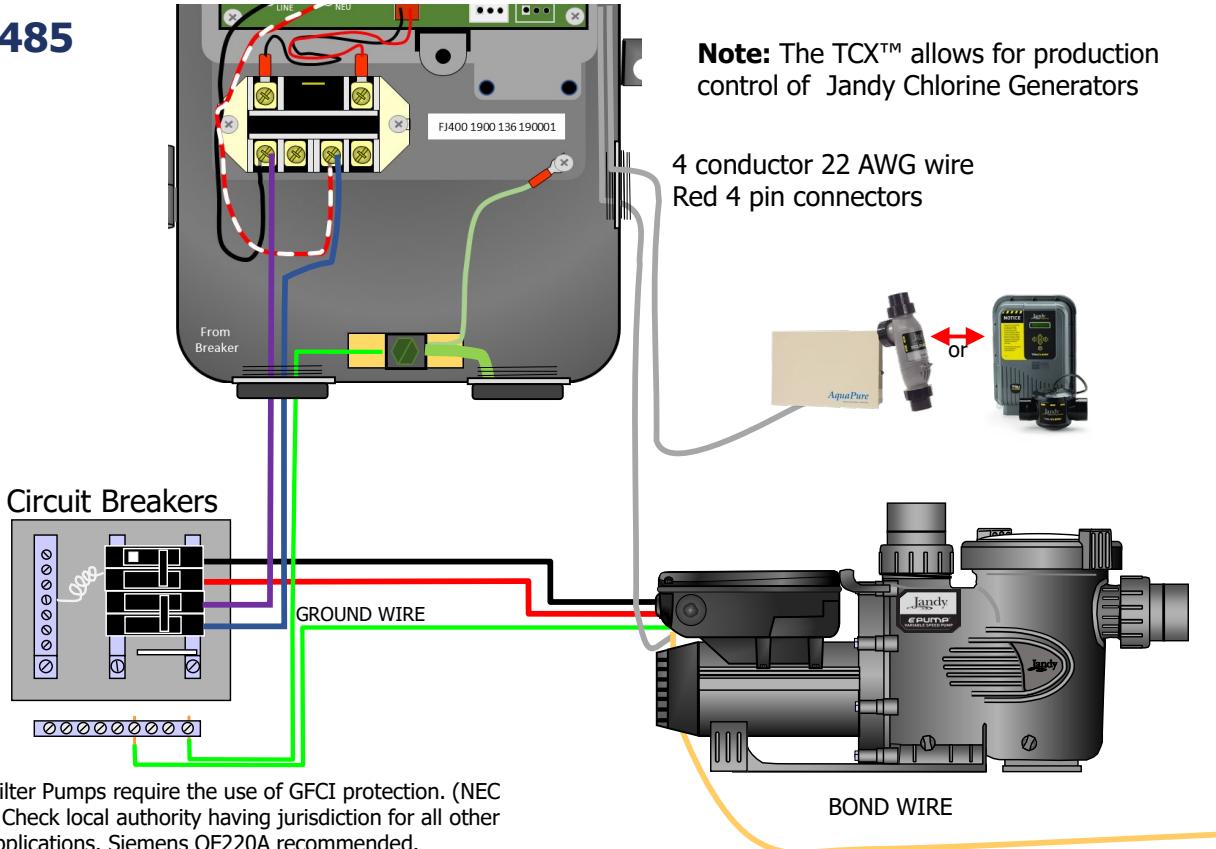
- Line voltage from the breaker goes to terminals 1 & 3. These also supply power to the TCX™.
- The red voltage selector should be set to "230 V" prior to turning on the breaker.
- The pump and the chlorine/ozone generator are powered by pins 2 & 4.
- When the pump is activated, the relay sends voltage to the pump and chlorine/ozone generator.

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240 VAC VARIABLE SPEED PUMP W/CHLORINE GENERATOR OR OZONE

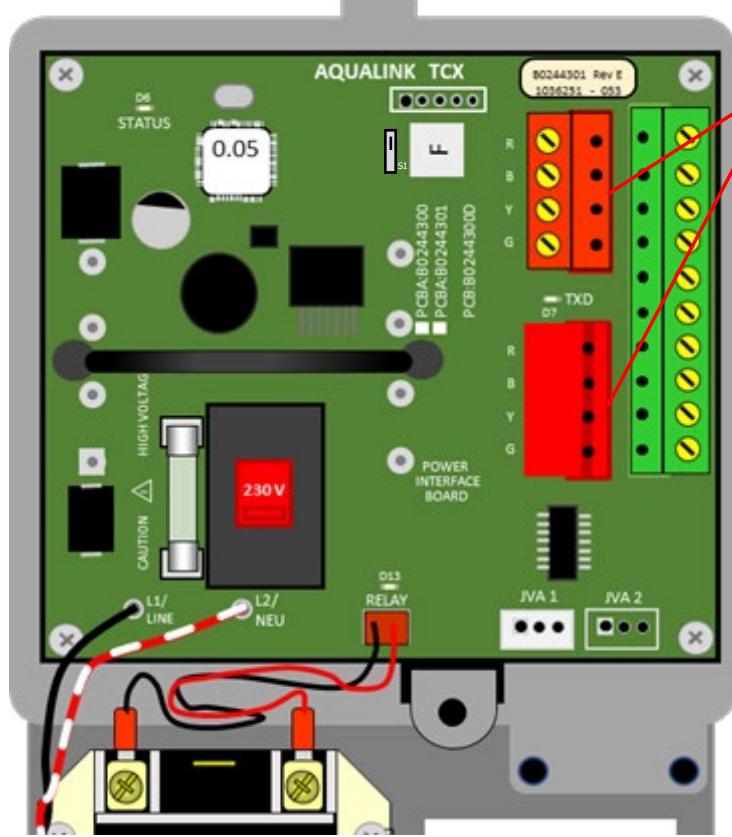


W/RS485

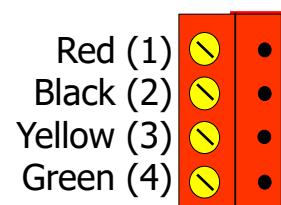


Note: Filter Pumps require the use of GFCI protection. (NEC 680.22) Check local authority having jurisdiction for all other pump applications. Siemens QF220A recommended.

RS485 COMMUNICATION

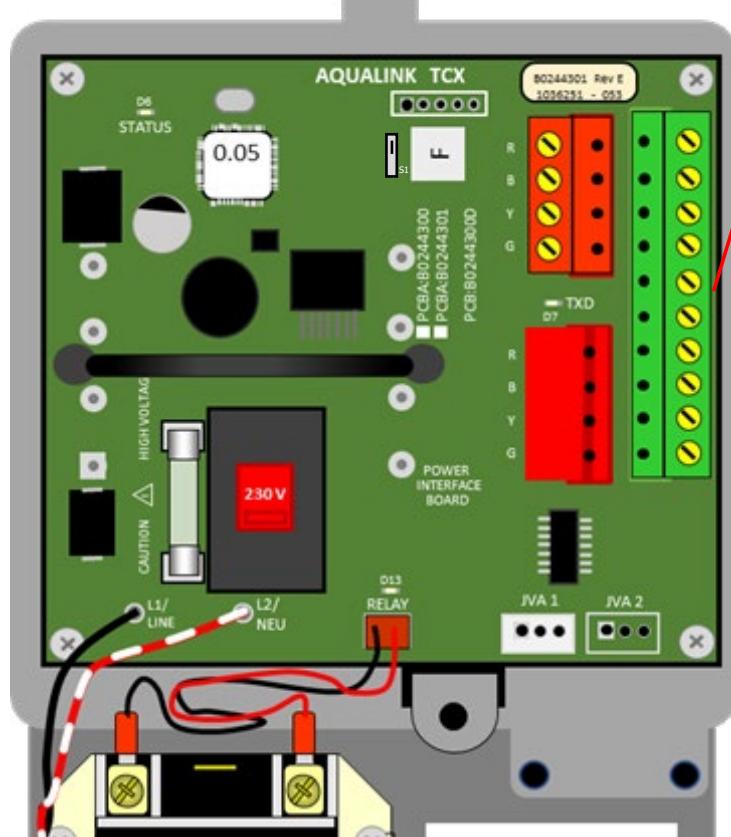


RS485 (Two Parallel Connections)
Pins 1 & 4 = 10 VDC
Pins 2 & 3 = Communication Lines



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SENSORS & LOW VOLTAGE CONNECTIONS



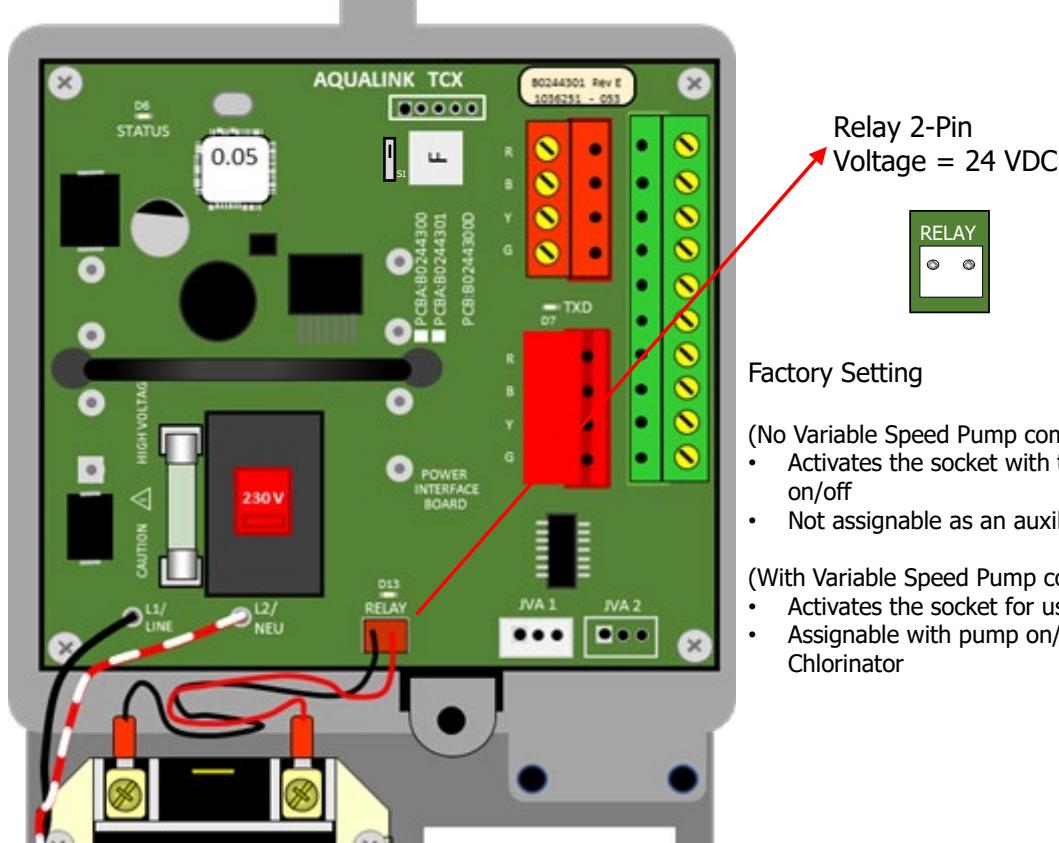
Sensor & LV Heater Connections
Pins 1 & 2 = LV Heater Connection
Pins 3 – 8 = Sensor Connections

- (10) Not Used
- (9) Not Used
- (8) Air Sensor (Red)
- (7) Air Sensor (Blk)
- (6) Water Sensor (Red)
- (5) Water Sensor (Blk)
- (4) Solar Sensor (Red)
- (3) Solar Sensor (Blk)
- (2) Low Voltage Heater (Out)*
- (1) Low Voltage Heater (In)*

* = 49 VAC or less only

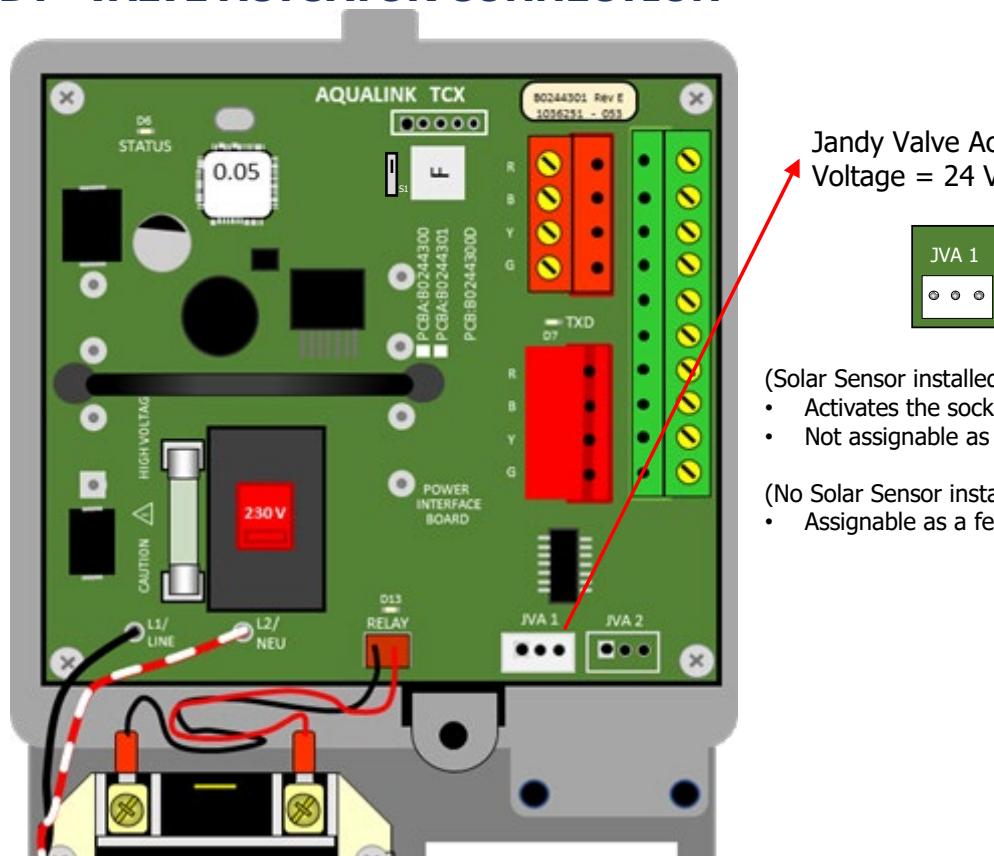
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FILTER PUMP / AUXILIARY CONNECTION

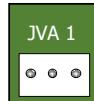


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JANDY® VALVE ACTUATOR CONNECTION



Jandy Valve Actuator (JVA) 3-Pin
Voltage = 24 VAC



(Solar Sensor installed):

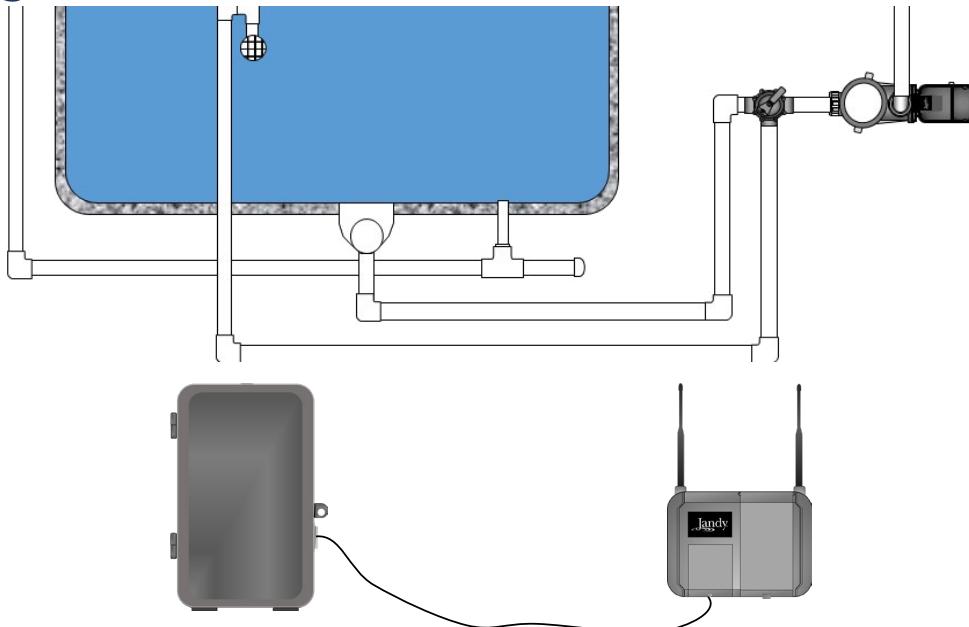
- Activates the socket when solar is on
- Not assignable as an auxiliary

(No Solar Sensor installed):

- Assignable as a feature circuit

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LOCATIONS



Location, TCX™

Height: Minimum 2 feet off the ground
Distance: Minimum 5 feet from inner wall of pool/spa

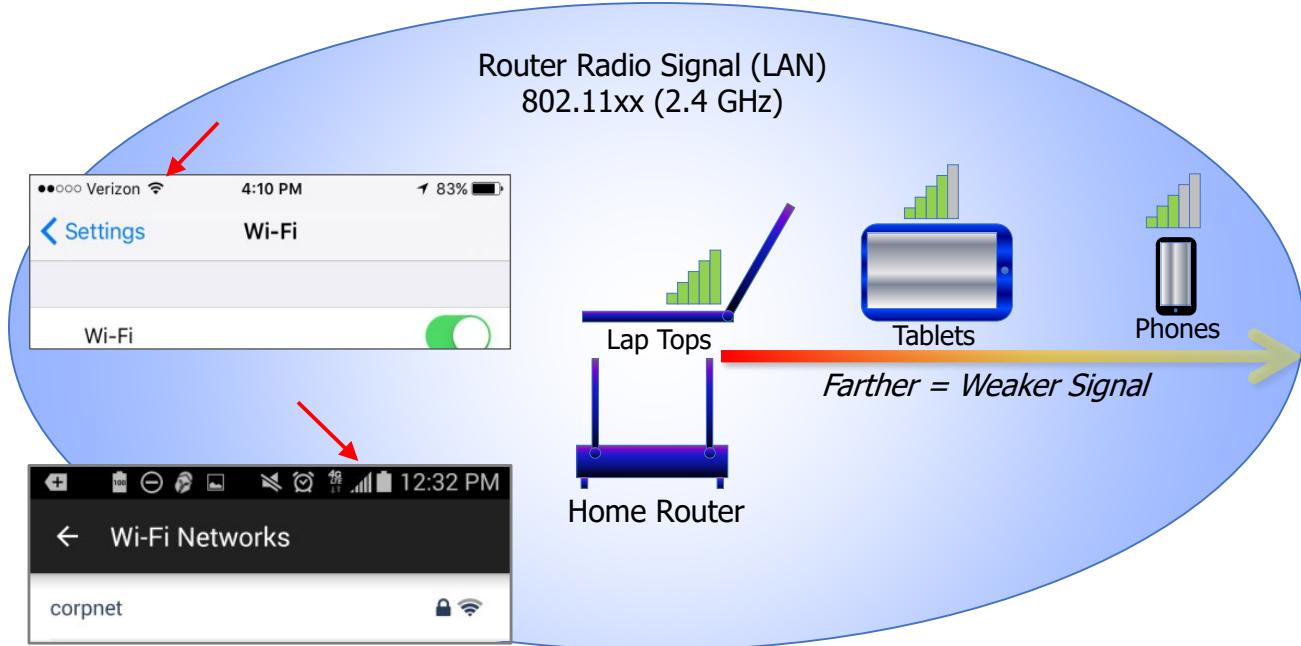
Location, Command Hub

Height: Minimum 2 feet off the ground (easily accessible for manual use and connection)
Distance: Minimum 10 feet from any motor or blower
Minimum 5 feet from any other wireless transceiver
As close to the wireless access point as possible*

* **Note:** Wired connection is available

NOTES

HOW A ROUTER WORKS: ROUTER STRENGTH



The further the device is from the router, the weaker the LAN signal strength. It is recommended to have at least 3 bars out of 5 for the best communication.

Note: Apple® and Android products have 3 or 4 bars as maximum, and it is recommended to have a minimum of 2 present.

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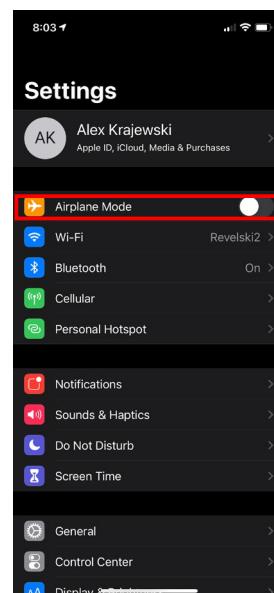
HOW A ROUTER WORKS: ROUTER STRENGTH

Step one is to connect to the homeowner's router with your smart phone or tablet.

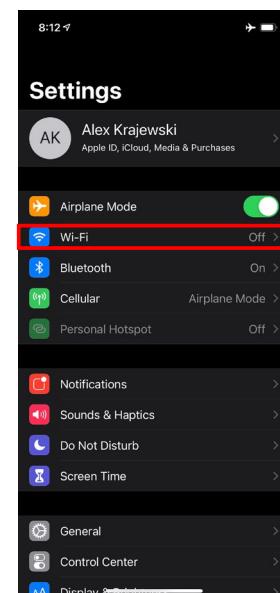
Locate the
Settings icon



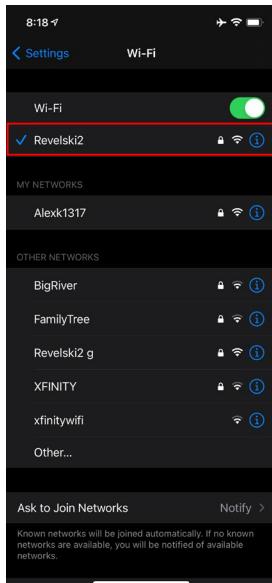
Locate the Airplane
Mode and turn it on



Select Wi-Fi



Select the Wi-Fi network
that your customer has
given to you and enter
the password



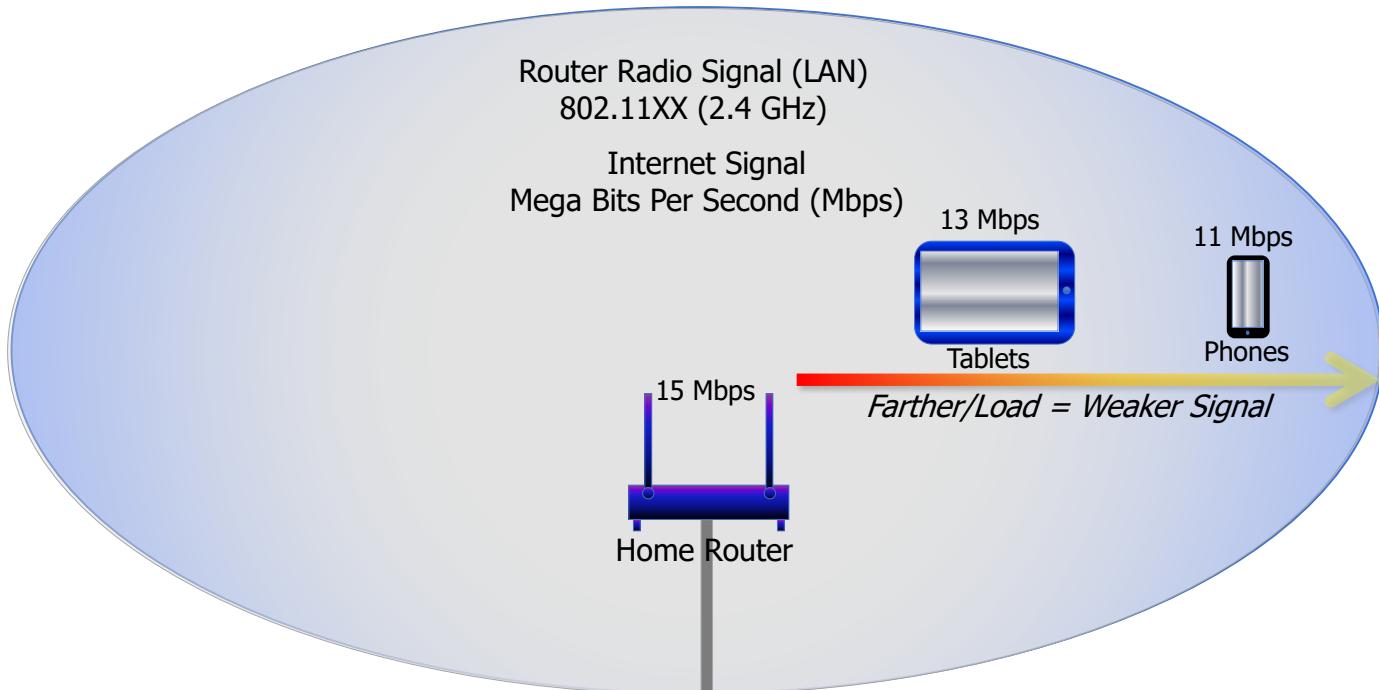
When connection is established,
the signal strength indicator
"bars" will appear on the device.

If the connection is unsuccessful,
you will need to confirm that the
name and password are correct,
then repeat the process.

Note: If the name of the SSID
does not appear as an option,
you may be out of the LAN range.

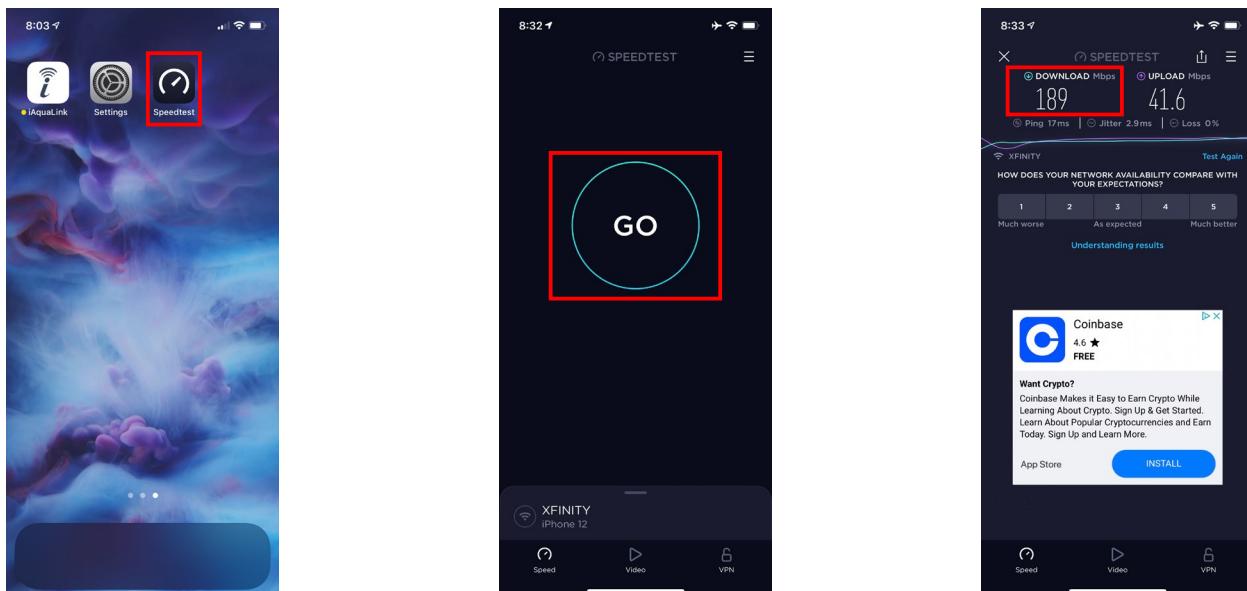
Note: It is recommended that you go into
Airplane Mode for the remainder of the setup.
This prevents interference in setup from cellular
service. Wi-Fi can be active in Airplane Mode.

HOW A ROUTER WORKS: INTERNET SPEED



The Internet Service Provider (ISP) provides the internet to your home router, which is then dispersed over the LAN. This is measured in Mbps. Mbps is defined as megabits per second, whereas MBps is megabytes per second. The minimum deliverable Mbps recommended is 10 Mbps at the proposed iQ device location.

Step two is to use a Speed Test App that will allow you to measure the internet speed. There are several free Apps available in the Apple® App Store or Google Play. With the speed test running, place your device at the proposed installation location and confirm adequate signal speed. It is recommended that the speed be 10 Mbps or greater for the best connection results.



APP INSTALLATION AND SETUP

Install the latest version of the iAquaLink™ app or search for your currently installed iAquaLink available updates from the Apple® App Store or from Google Play.

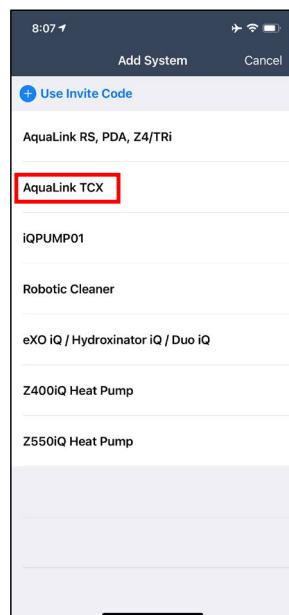
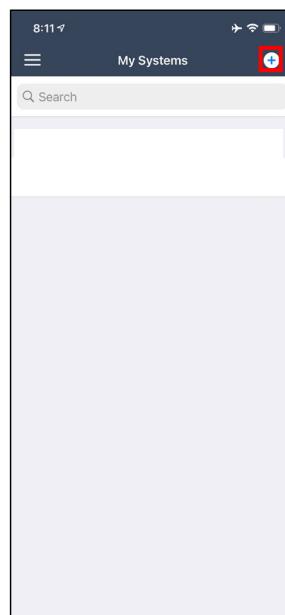


Select the iAquaLink™ App.

Note: Make sure that Bluetooth is enabled on your phone.

After signing up, or signing in, select the plus (+) in the upper right-hand corner of the App.

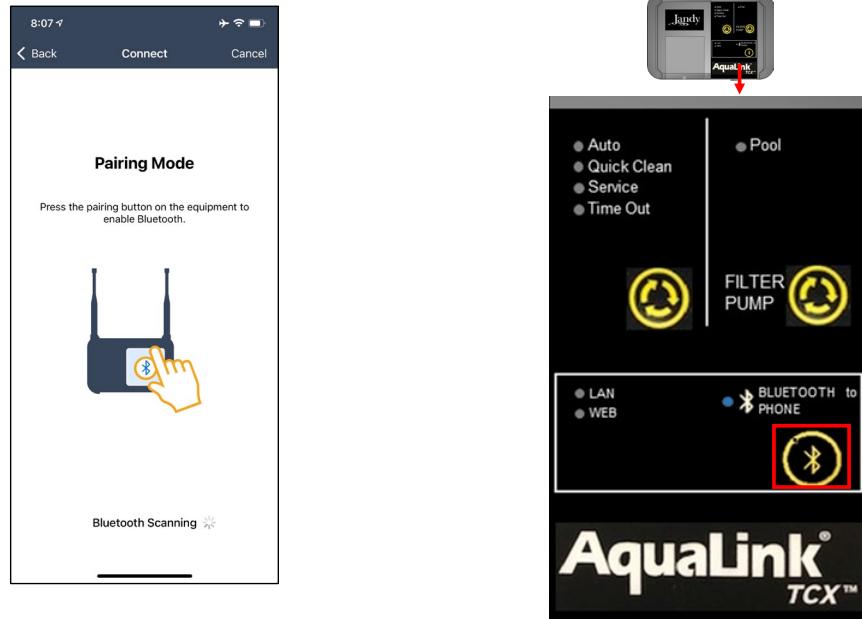
Select AquaLink® TCX™.



APP INSTALLATION AND SETUP

You will now be directed to start "Bluetooth to Phone" pairing.

Press the Bluetooth to Phone button and the blue light will come on.

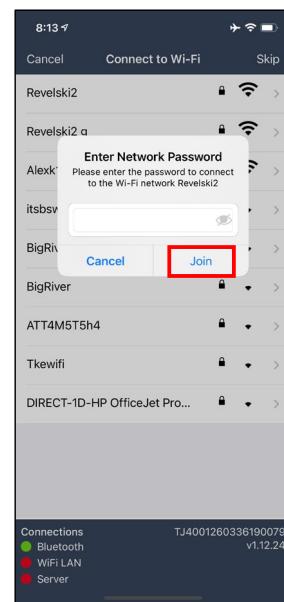
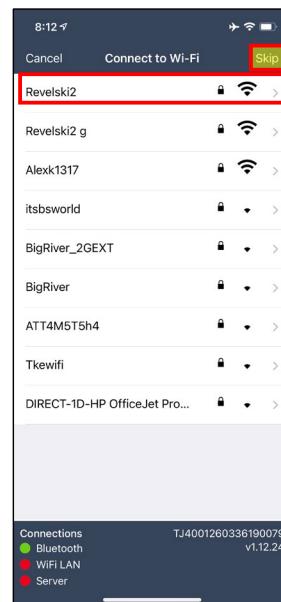
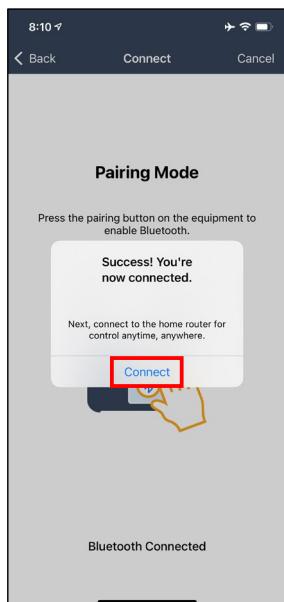


Bluetooth should connect within 30 seconds. Select "Connect".

Select the wireless account to use.

Enter password and select "Join".

NOTE: If you do not have access to Wi-Fi or are joining a TCX™ that is already connected to the internet you can press "Skip" at this time to stay connected to Bluetooth for programming.

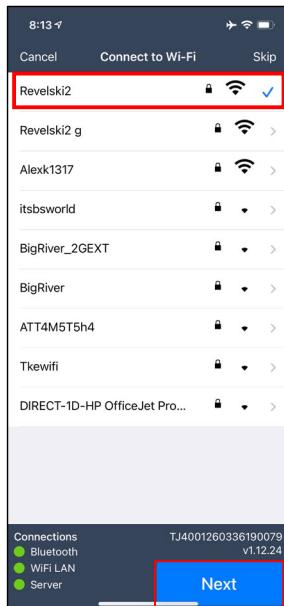


APP INSTALLATION AND SETUP

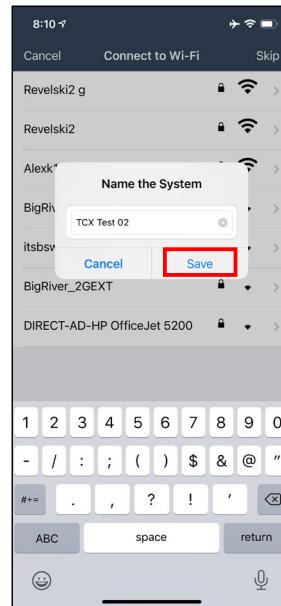
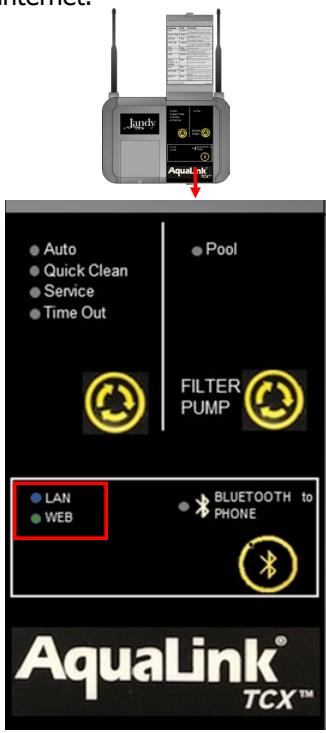
It can take up to 2 minutes for connection. Click on "Next".

After connection, name the TCX™ and select "Save".

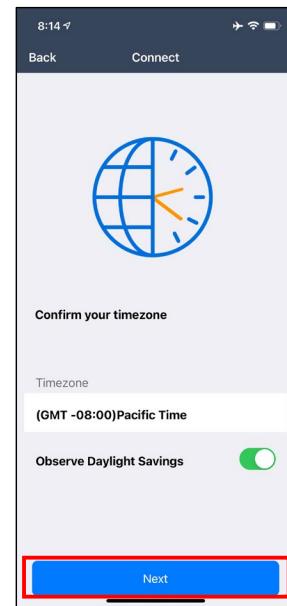
Confirm the proper time zone and Daylight Savings and select "Next"



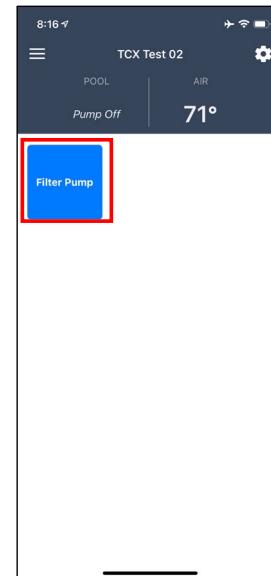
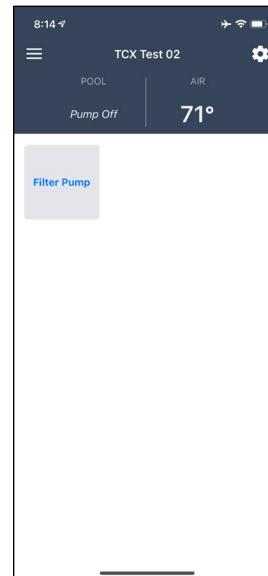
The Command Hub will now disconnect from Bluetooth and show connection to the internet.



Your screen will open to the TCX™ home screen.

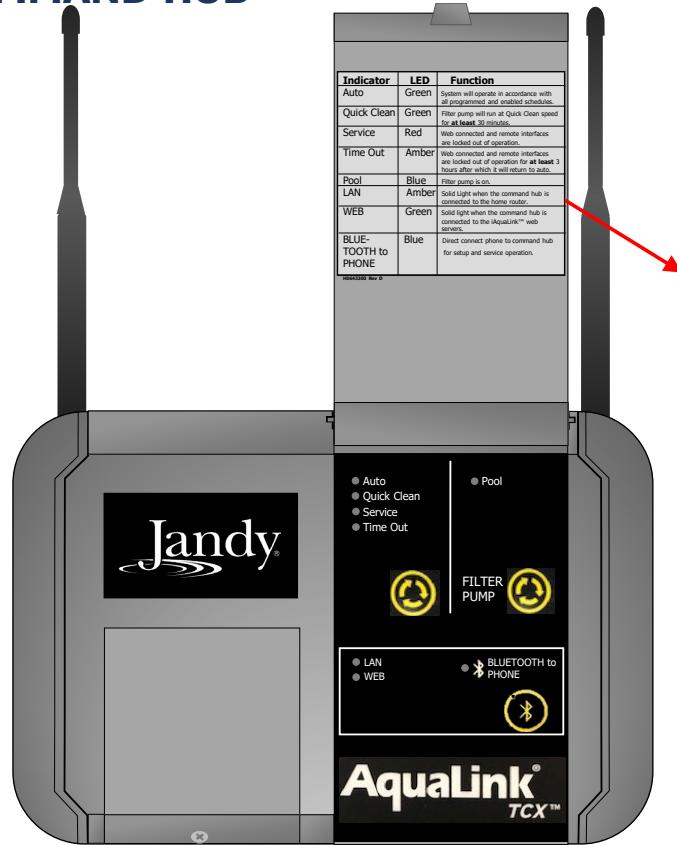


When a device is on, it will turn blue.



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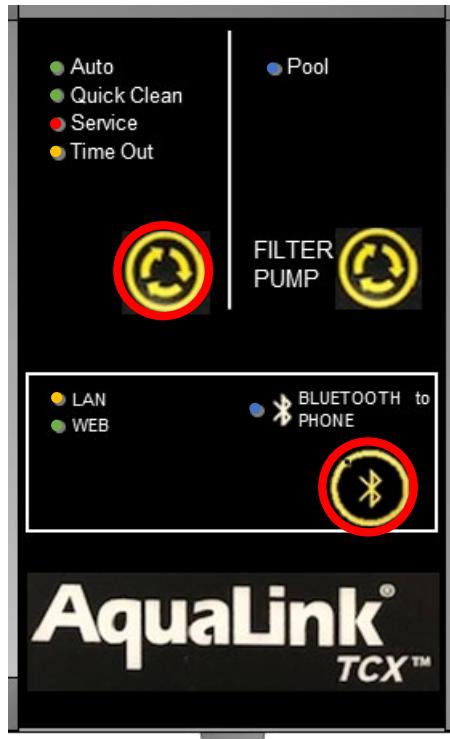
COMMAND HUB



Indicator	LED	Function
Auto	Green	System will operate in accordance with all programmed and enabled schedules.
Quick Clean	Green	Filter pump will run at Quick Clean speed for at least 30 minutes.
Service	Red	Web connected and remote interfaces are locked out of operation.
Time Out	Amber	Web connected and remote interfaces are locked out of operation for at least 3 hours after which it will return to auto.
Pool	Blue	Filter pump is on.
LAN	Amber	Solid Light when the command hub is connected to the home router.
WEB	Green	Solid light when the command hub is Connected to the iAquaLink™ web servers.
BLUE-TOOTH to PHONE	Blue	Direct connect phone to command hub for setup and service operation.

NOTES _____

MAIN HEADER



Indicator	LED	Function
Auto	Green	System will operate in accordance with all programmed and enabled schedules.
Quick Clean	Green	Filter pump will run at Quick Clean speed for 30 minutes.
Service	Red	Web connected and remote interfaces are locked out of operation.
Time Out	Amber	Web connected and remote interfaces are locked out of operation for at least 3 hours after which it will return to auto.
Pool	Blue	Filter pump is on.
LAN	Amber	Solid Light when the command hub is connected to the home router.
WEB	Green	Solid light when the command hub is Connected to the iAquaLink™ web servers.
BLUE-TOOTH to PHONE	Blue	Direct connect phone to command hub for setup and service operation.

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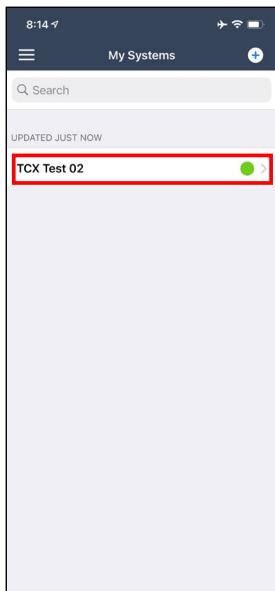
VARIABLE SPEED PUMP

In My Systems select the TCX™ you want to setup.

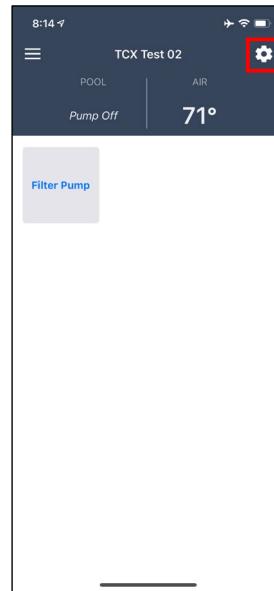
Note: A VSP must be connected and powered up to setup and Program.

Select the Gear Settings menu in the upper right corner.

Select "System Setup" to begin Variable Speed Setup .



In System Setup select "VS Pump Setup".

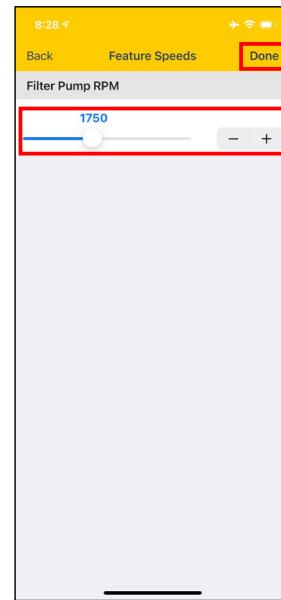
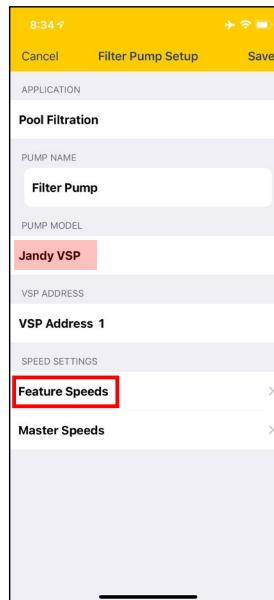
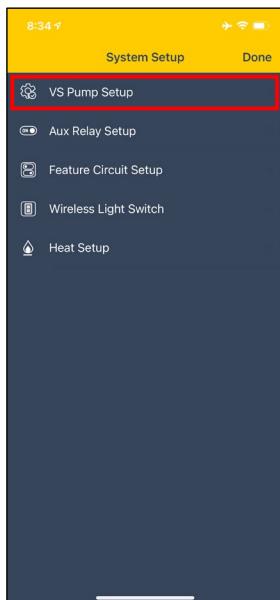


In Filter Pump Setup select "Feature Speeds".



Adjust the RPM to set filtration speed. Select "Done" when complete.

NOTE: The brand of Pump Model will change based on the type connected.
Either Jandy VSP or Pentair VSP



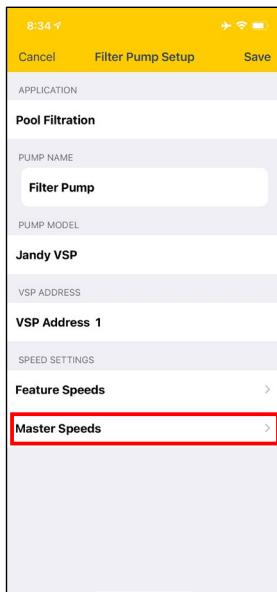
VARIABLE SPEED PUMP

In Filter Pump Setup select "Master Speeds".

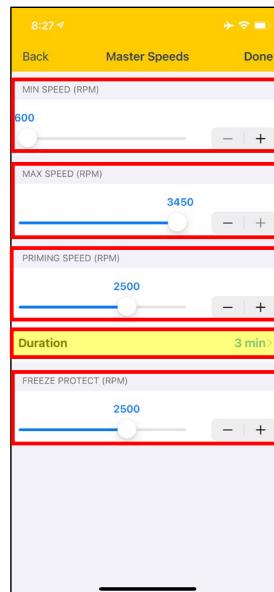
First, set the speeds for Minimum, Maximum, Priming, and Freeze Protect. Then Select "Duration" for priming.

Adjust the duration time for priming. Select "Done" when complete.

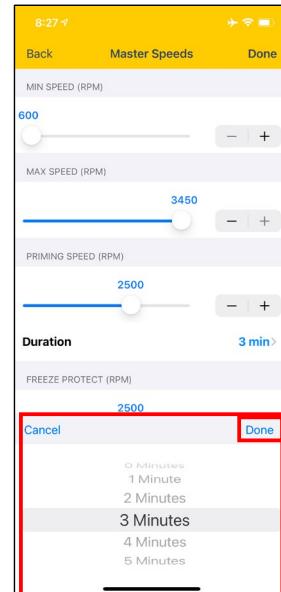
Note: Choosing 0 minutes is not recommended.



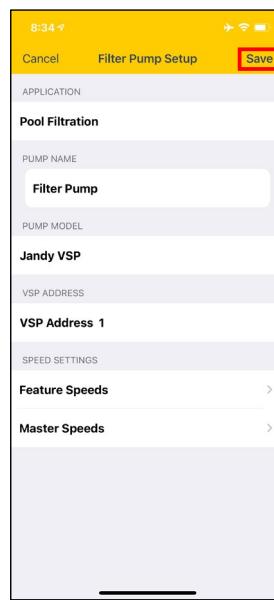
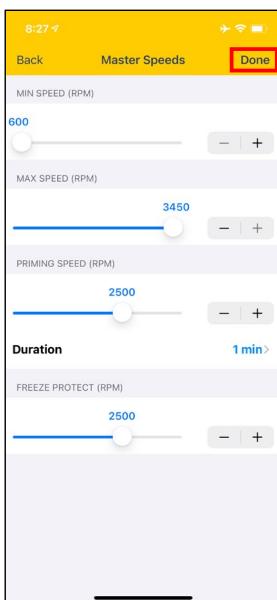
When Master Speeds setup is complete select "Done".



To complete filter pump setup, select "Save".

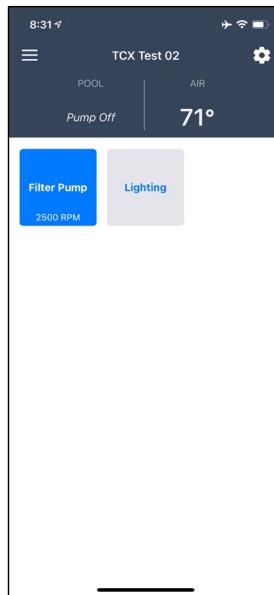


From the TCX™ home screen select "Filter Pump" to turn it on.



VARIABLE SPEED PUMP

When a variable speed pump is on, the current speed is shown in the lower part of the Filter Pump button.



NOTES _____

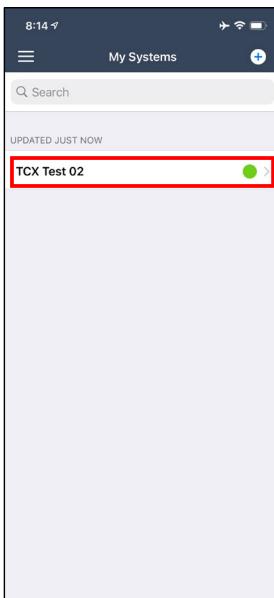
NOTES _____

HEATER

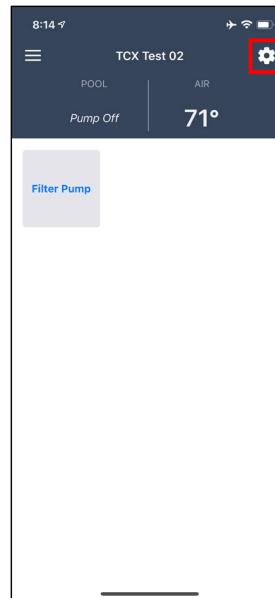
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

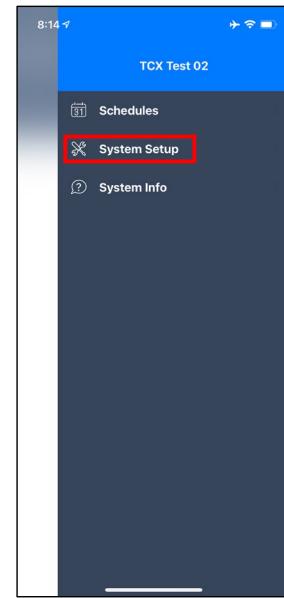
Select "System Setup" to begin Heater Setup .



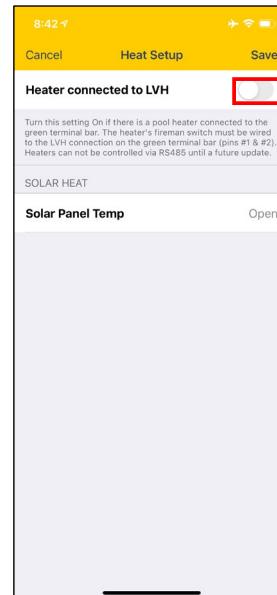
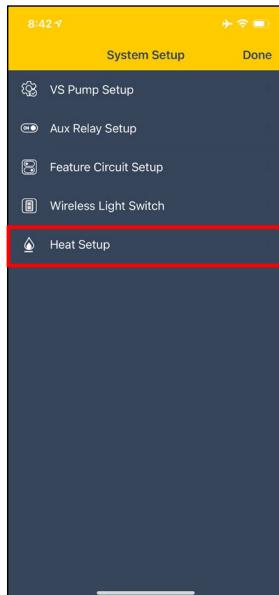
In System Setup select "Heat Setup".



In Heat Setup activate the "Heater connected to LVH" switch.



To finish activating the Low Voltage Heater (LVH) select "Save".

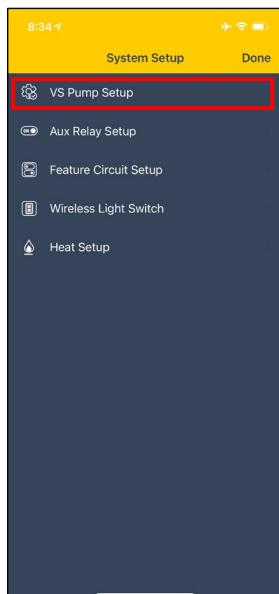


HEATER

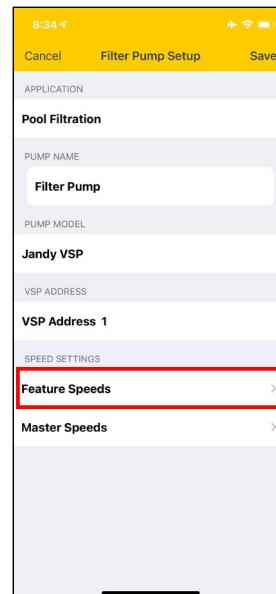
To set the heater speed on a VSP select "VS Pump Setup".

In Filter Pump Setup select "Feature Speeds".

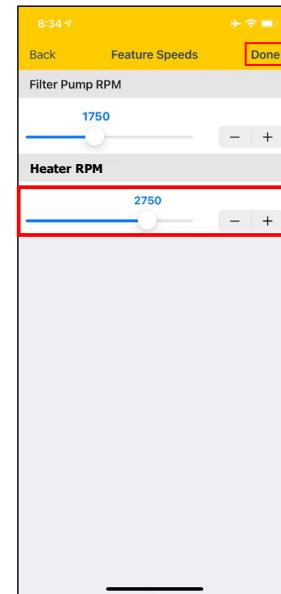
Adjust the RPM to set heating speed. Select "Done" when complete.



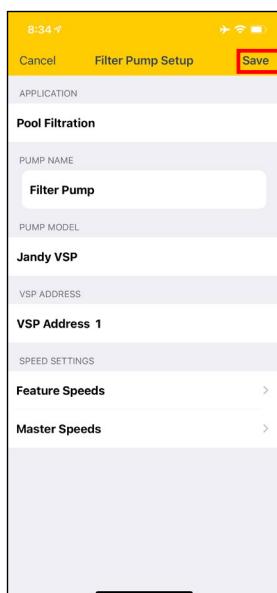
To complete heater setup select "Save".



From the TCX™ home screen select "Filter Pump" to turn it on.



From the TCX home screen select "Pool Heater" to turn it on.

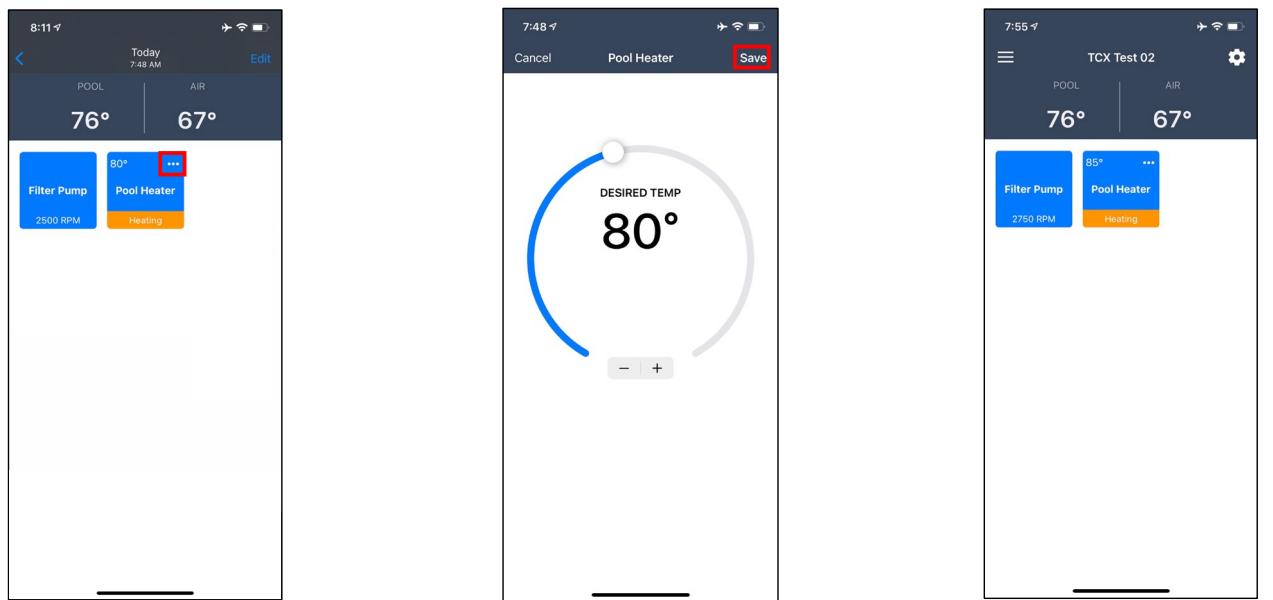


HEATER

To adjust the heating temperature, select the 3 dots in the upper right corner of the Pool Heater button.

Adjust the temperature to the desired temp and select "Save".

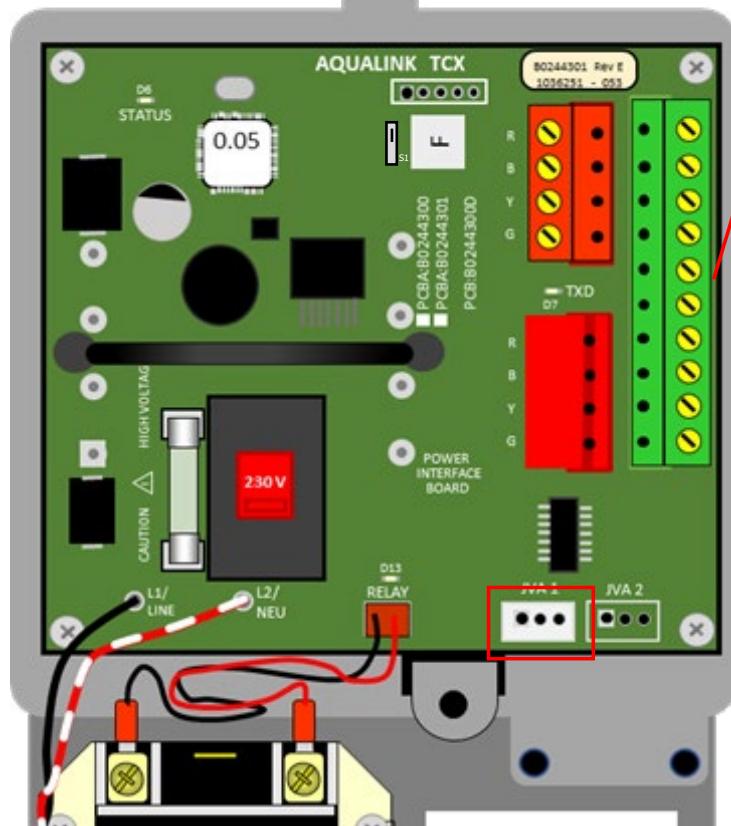
TCX™ home screen.



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SOLAR HEATER - SENSORS AND LOW VOLTAGE CONNECTIONS



Sensor & LV Heater Connections
Pins 1 & 2 = LV Heater Connection
Pins 3 – 8 = Sensor Connections

- | | |
|------|---------------------------|
| (10) | Not Used |
| (9) | Not Used |
| (8) | Air Sensor (Red) |
| (7) | Air Sensor (Blk) |
| (6) | Water Sensor (Red) |
| (5) | Water Sensor (Blk) |
| (4) | Solar Sensor (Red) |
| (3) | Solar Sensor (Blk) |
| (2) | Low Voltage Heater (Out)* |
| (1) | Low Voltage Heater (In)* |
- * = 49 VAC or less only

Connect solar temperature sensor and solar JVA. The JVA is assigned to Solar Heat automatically when a sensor is installed at pins 3&4.

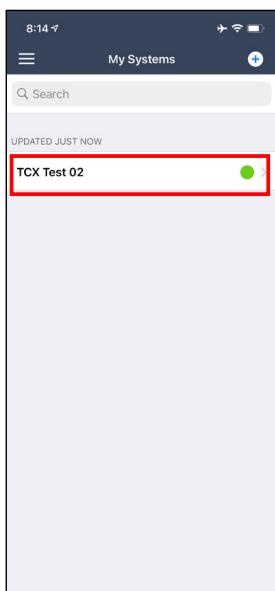
NOTES _____

SOLAR HEATER

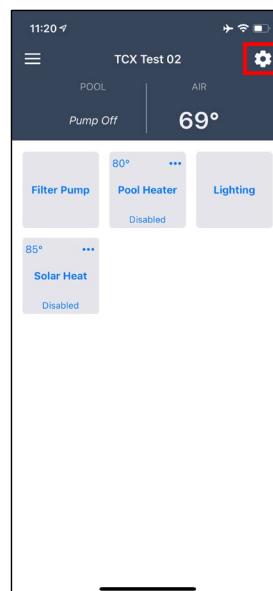
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.
Note: Once a solar sensor is connected, the solar feature will appear on the main screen.

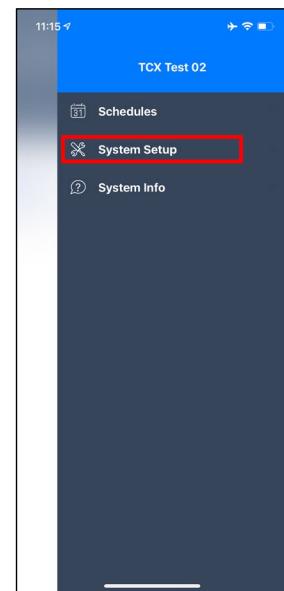
Select "System Setup" to set the appropriate VSP speed.



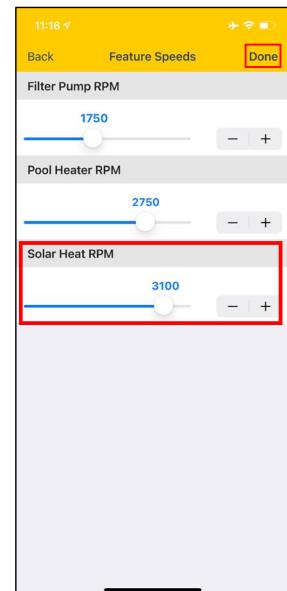
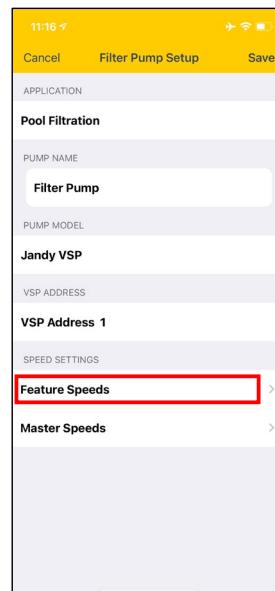
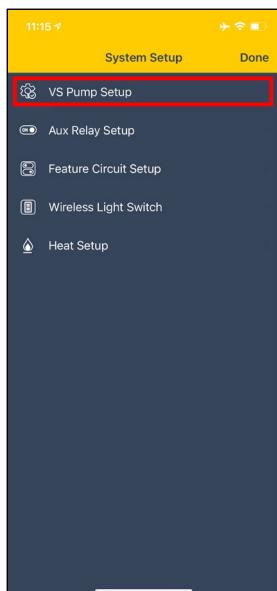
To set the solar heater speed on a VSP select "VS Pump Setup".



In Filter Pump Setup select "Feature Speeds".



Adjust the RPM to set solar heating speed. Select "Done" when complete.

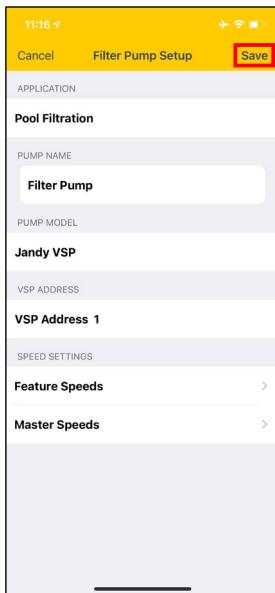


SOLAR HEATER

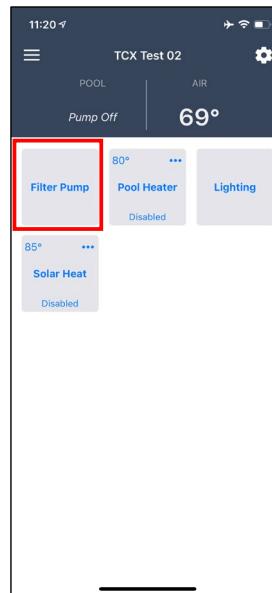
To complete solar heater setup, select "Save".

From the TCX™ home screen select "Filter Pump" to turn it on.

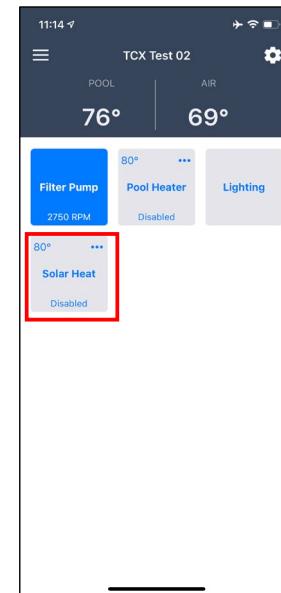
From the TCX home screen select "Solar Heat" to turn it on.



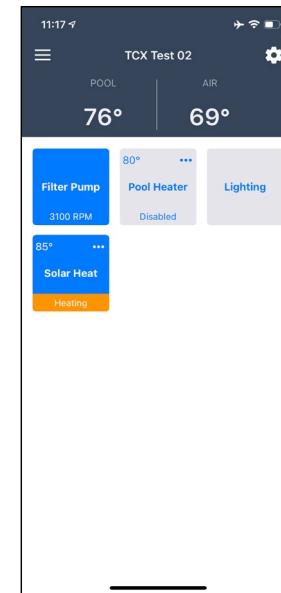
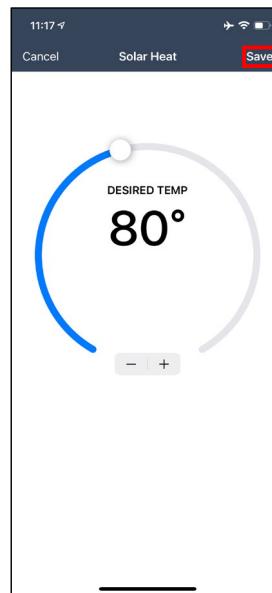
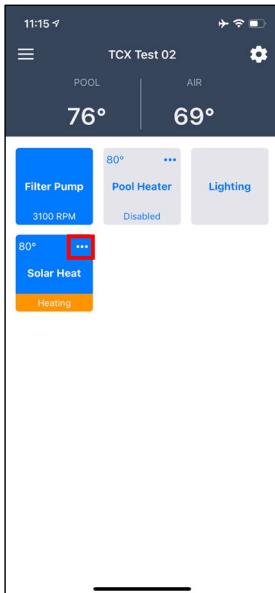
To adjust the heating temperature, select the 3 dots in the upper right corner of the Pool Heater button.



Adjust the temperature to the desired temp and select "Save".



Note that TCX™ can enable both an LVH and solar heater independently.



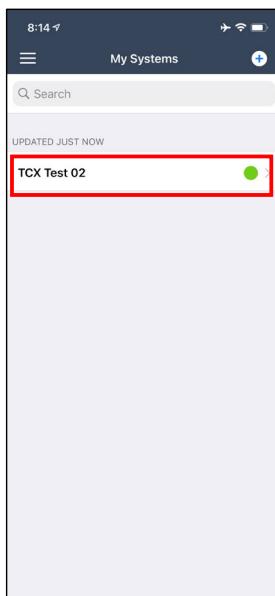
NOTES _____

SALTWATER CHLORINATORS

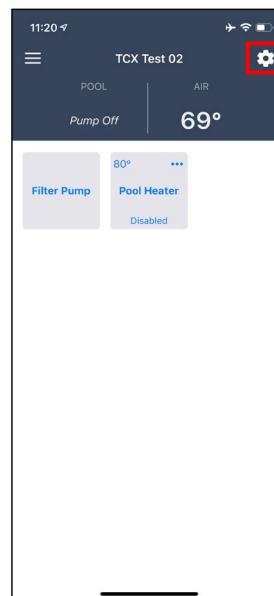
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

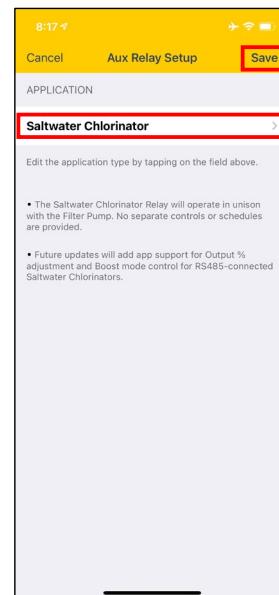
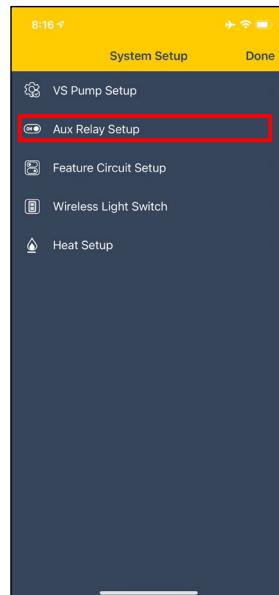
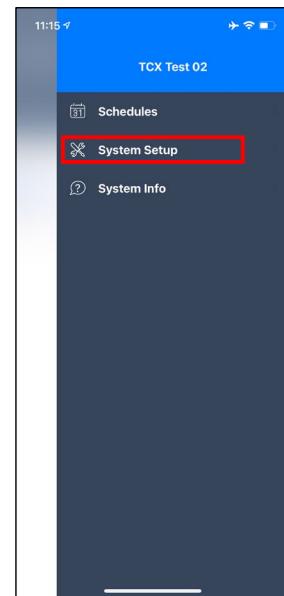
Select "System Setup" to begin Saltwater Chlorinator setup.



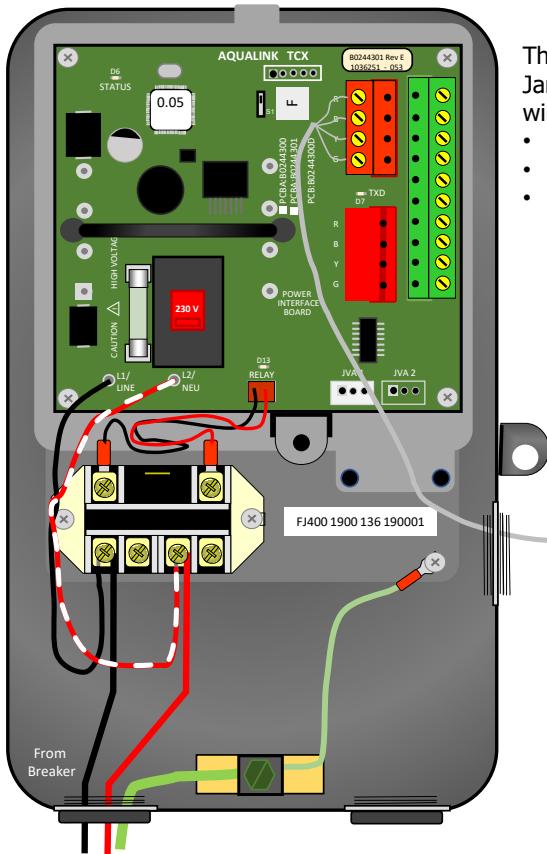
In System Setup select "Aux Relay Setup".



Set the TCX™ to work with a "Saltwater Chlorinator" on the Aux relay. The chlorinator power will turn on/off with the filter pump.



SALTWATER CHLORINATORS



The TCX™ can communicate with AquaPure™ and TruClear® Jandy saltwater chlorinators through RS485 connection. This will allow you to:

- Adjust the percentage of chlorination in 5% increments.
- Create a low setting for covers
- Create a boost program to bring up the chlorine amount within a 24-hour period



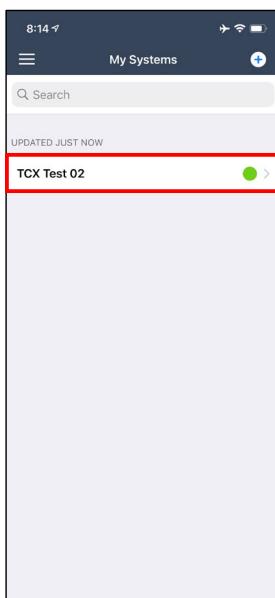
NOTES _____

RS485 SALTWATER CHLORINATOR

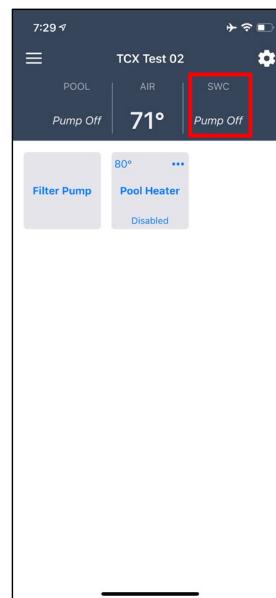
In My Systems select the TCX™ you want to setup.

When a Jandy Saltwater Chlorinator is connected through a RS485 connection, a section called "SWC" will appear next to the "Air" Temp.

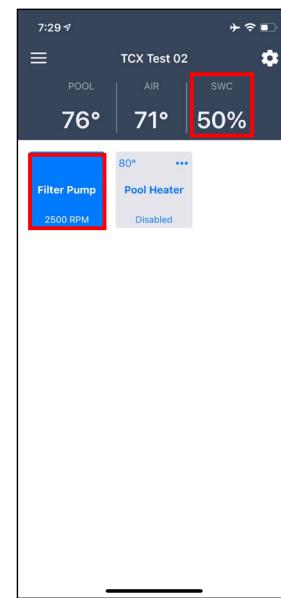
When the Filter Pump is turned on, the TCX will turn on the Saltwater Chlorinator to the percentage programmed in the setting.



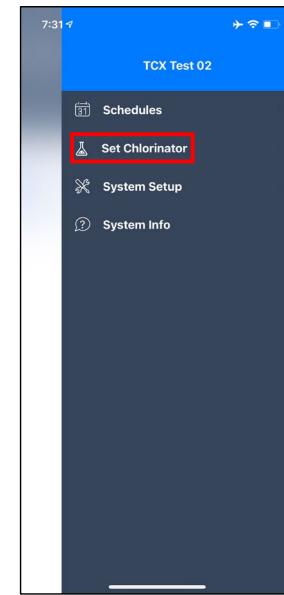
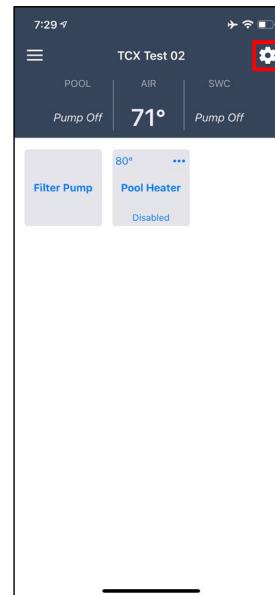
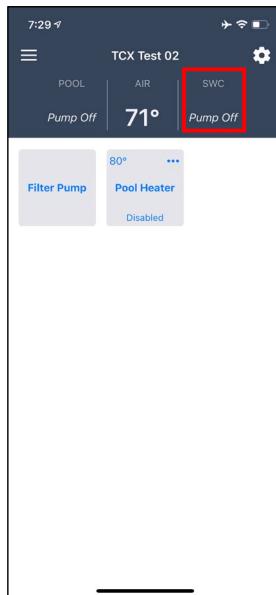
There are 2 ways to get to the Saltwater Chlorinator setting. The first way is to select "SWC" on the home page.



The second way is to select the Gear Settings menu in the upper right corner.



Select "Set Chlorinator" to begin Saltwater Chlorinator setup.

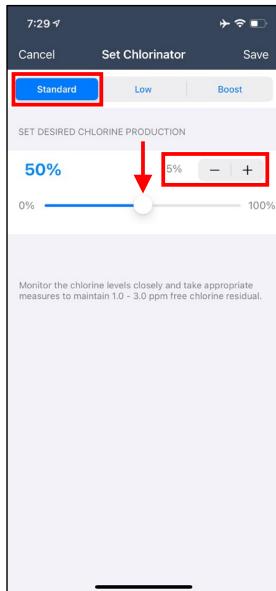


RS485 SALTWATER CHLORINATOR

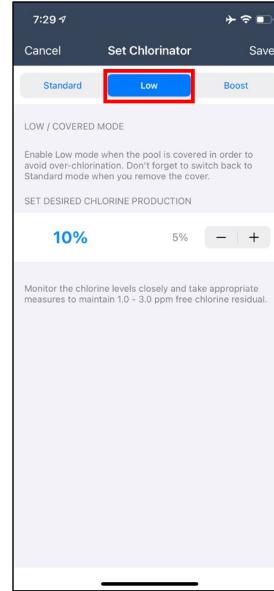
"Standard" Setting allows you adjust the SWC percentage for normal Filtration.

"Low" Setting allows you to have a preset lower setting for when the pool is covered.

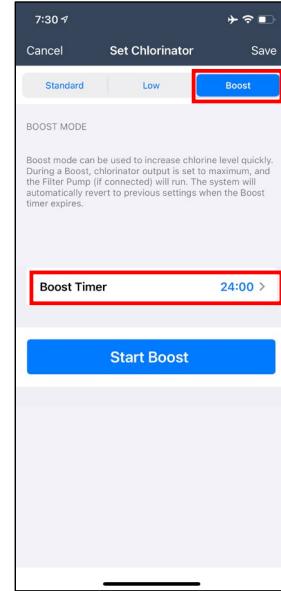
"Boost" allows you to increase chlorine production to 100% for up to 24 hours, bypassing the pump's scheduled off time. To adjust the duration, select "Boost Timer".



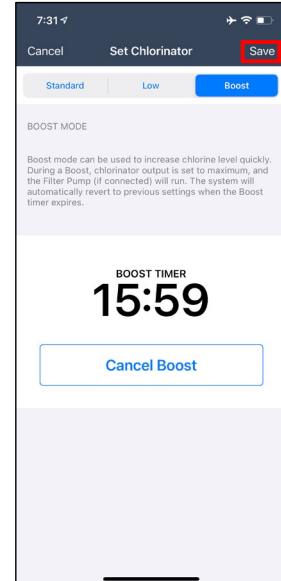
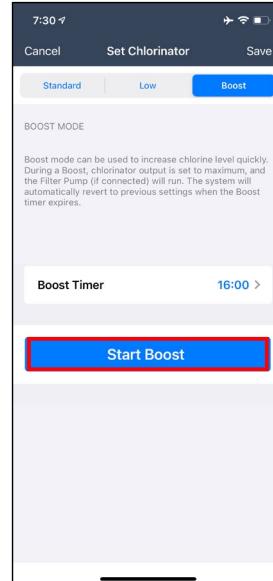
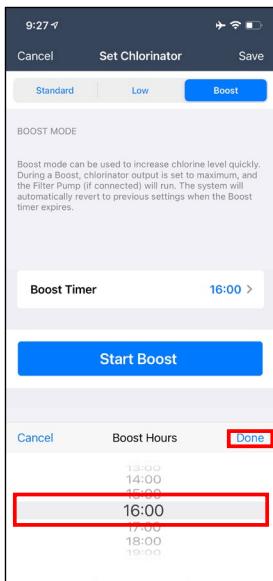
Adjust the hours you would like the SWC to run at 100% with the filtration pump on. Select "Done".



To start the boost cycle, select "Start Boost".



The Boost Timer will start its countdown and keep the chlorine production at a 100%, and the filter pump on for the duration. Make sure to select "Save" to exit to the home screen.

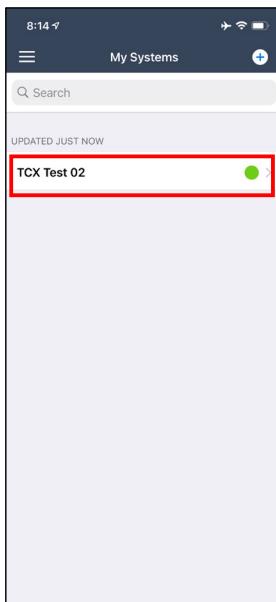


AUX RELAY - LIGHT

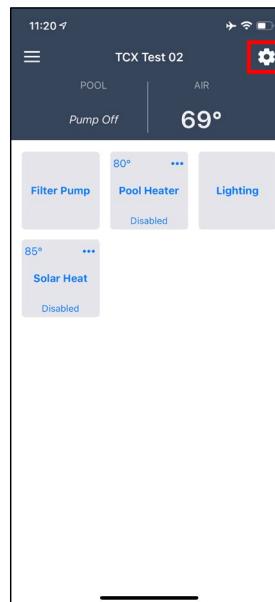
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

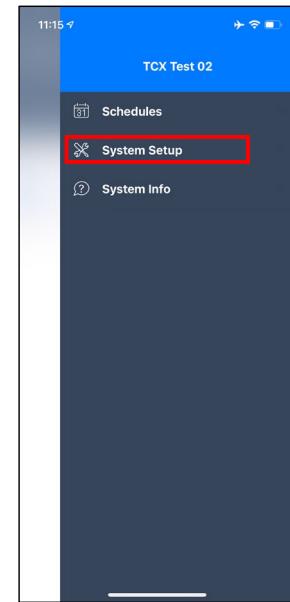
Select "System Setup" to begin Auxiliary Light setup.



In System Setup select "Aux Relay Setup".

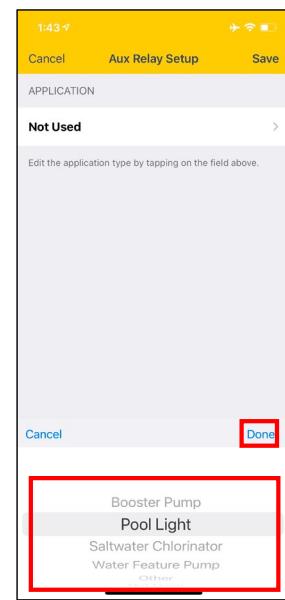
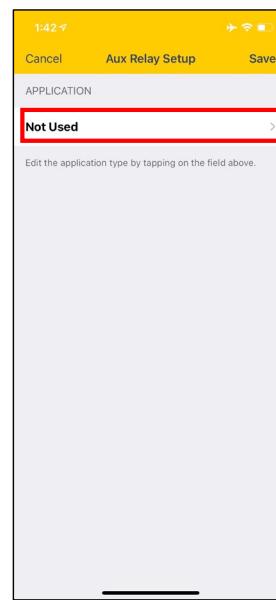
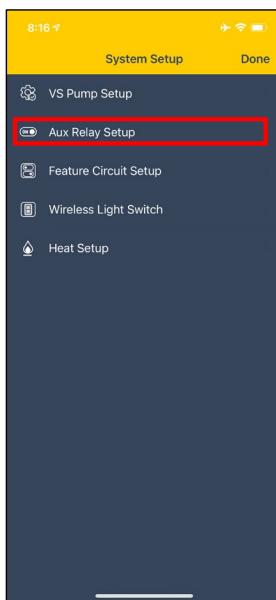


To change the Aux Setup from a chlorinator, select "Not Used".



Select the Aux to be used, Pool Light, and select "Done"

Options: Booster Pump, Pool Light, Saltwater Chlorinator, Water Feature Pump, Other, or Not Used.

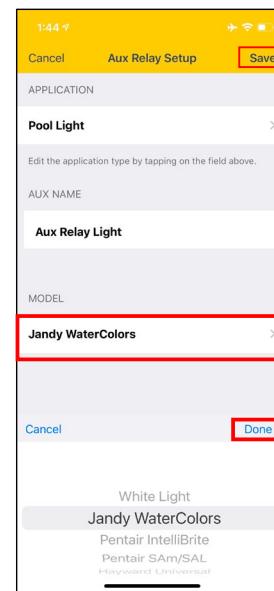
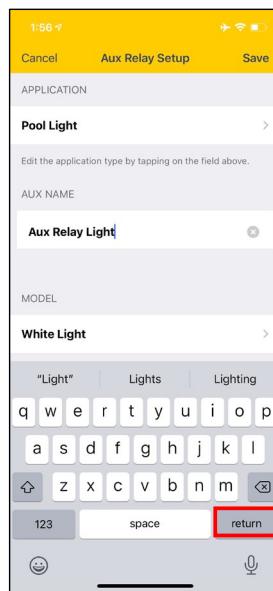
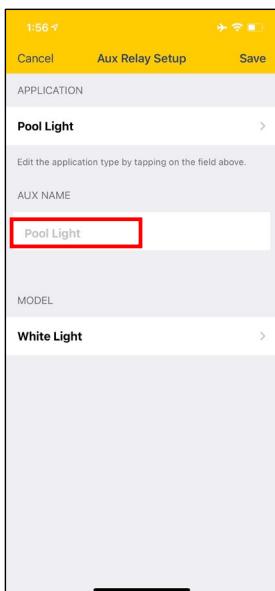


AUX RELAY - LIGHT

To change the name of the Aux, select "Aux Name".

Enter the name of the aux and select Return.

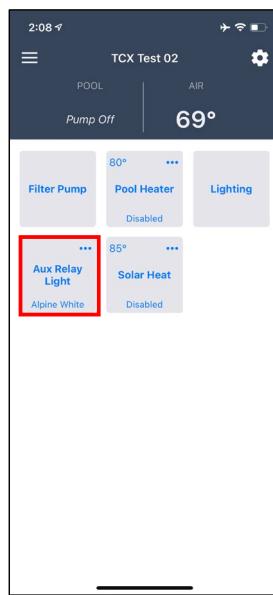
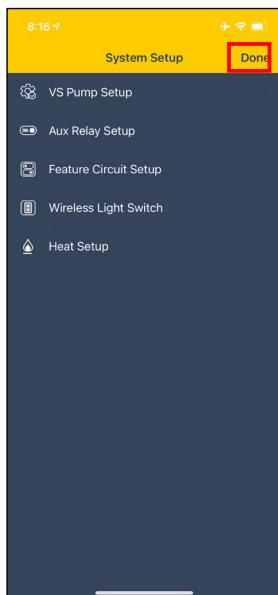
At the bottom of the screen, click "MODEL" and use the wheel to choose the appropriate color sequence followed by "Done", then "Save".



From System Setup select "Done" to return to the TCX™ home screen.

To turn the light on, press the "Aux Relay Light" tile.

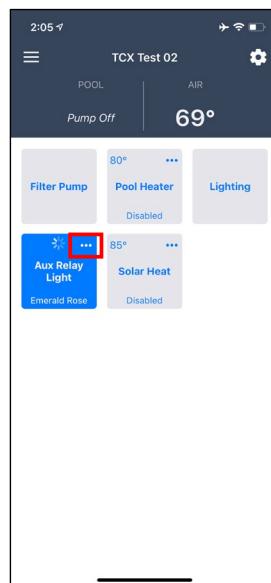
Choose the appropriate color or show from the list.



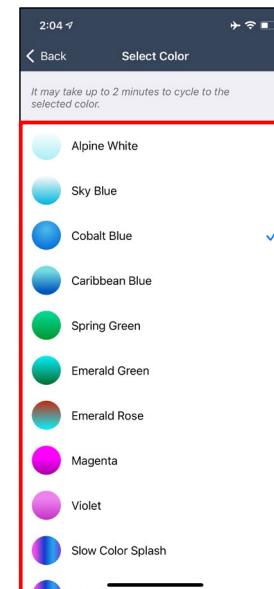
AUX RELAY - LIGHT

When the light is on it will report the active color at the bottom of the tile. To change the color, press the three dots.

Choose the new color from the list of colors. Note the checkmark next to the active color.

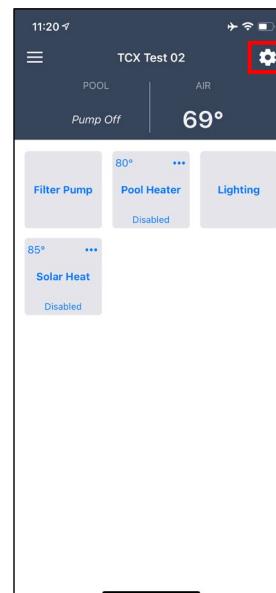
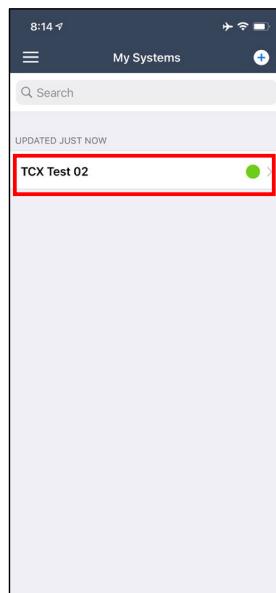


In My Systems select the TCX™ you want to setup.



Select the Gear Settings menu in the upper right corner.

Select "Schedules" to begin Auxiliary Light scheduling .

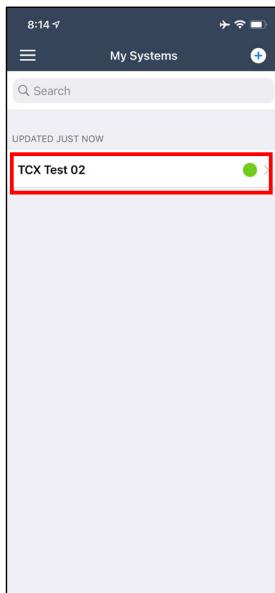


AUX RELAY - LIGHT SCHEDULING

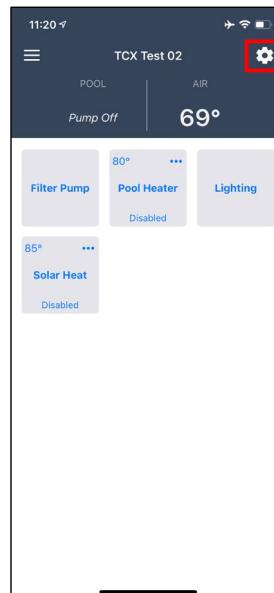
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

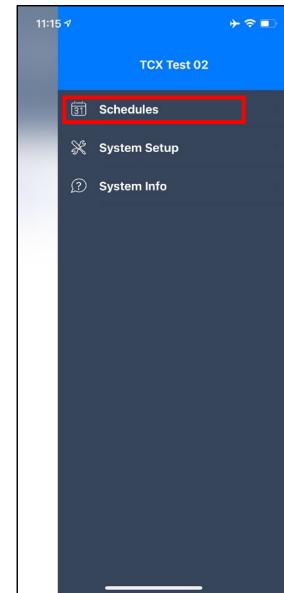
Select "Schedules" to begin Auxiliary Light scheduling .



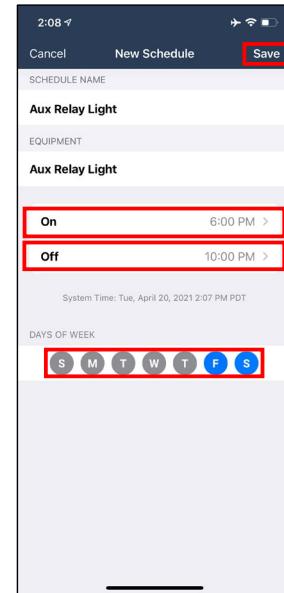
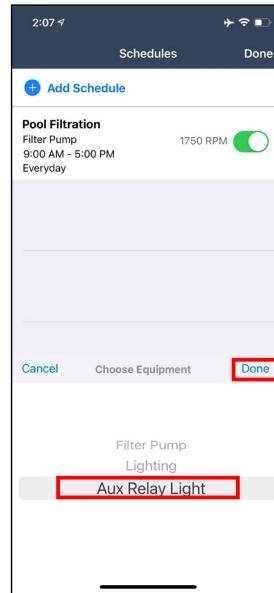
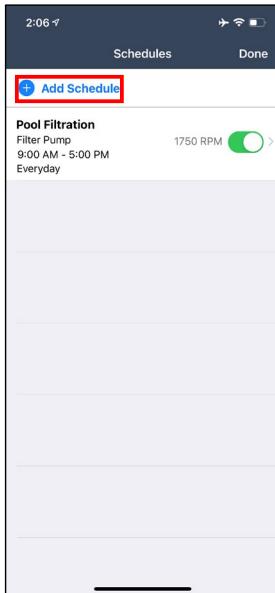
To add a schedule, select the "+" in the upper left section of the app.



Select item to add schedule for and push "Done"



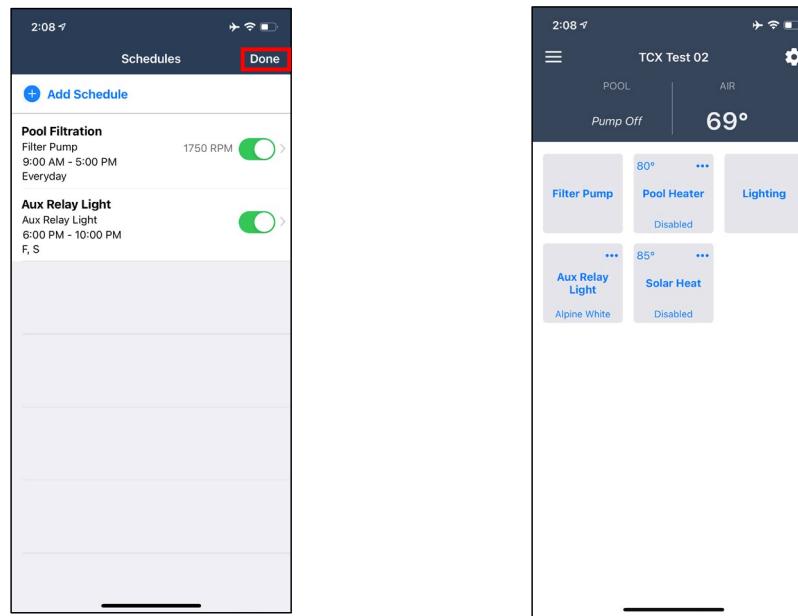
Set the schedule name, On time, Off time, Days of Week. When the schedule is complete select "Save".



AUX RELAY - LIGHT SCHEDULING

When adding and editing schedules are complete select "Done".

You have returned to the TCX™ home screen.



NOTES _____

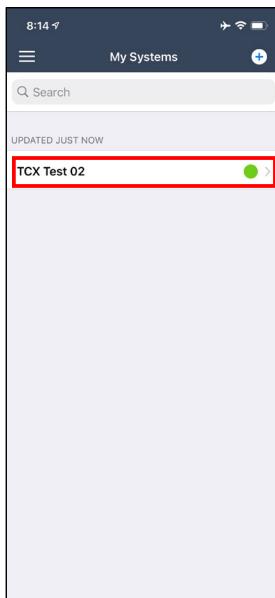
NOTES _____

AUX RELAY BOOSTER PUMP

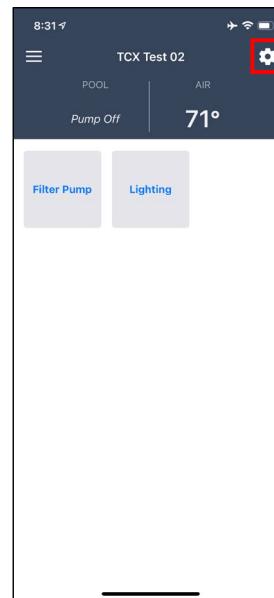
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

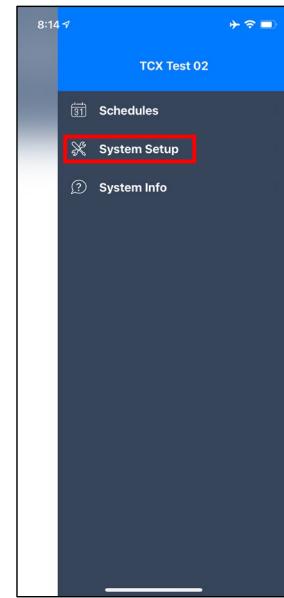
Select "System Setup" to begin Booster Pump Setup.



In System Setup select "Aux Relay Setup".

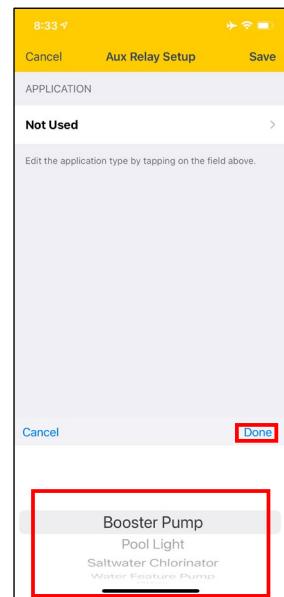
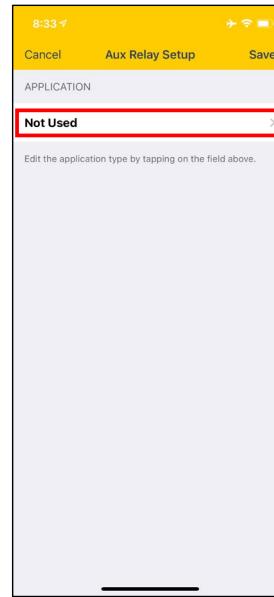
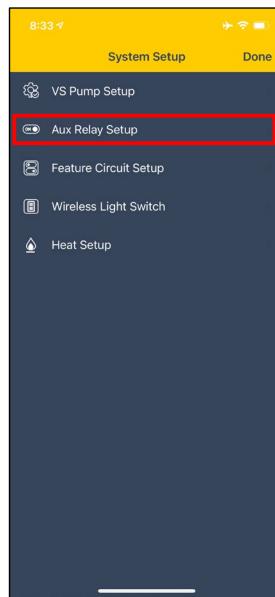


To change the Aux Setup, select "Not Used".



Select the Booster Pump label to be used and select "Done"

Options: Booster Pump, Pool Light, Saltwater Chlorinator, Water Feature Pump, Other, or Not Used.

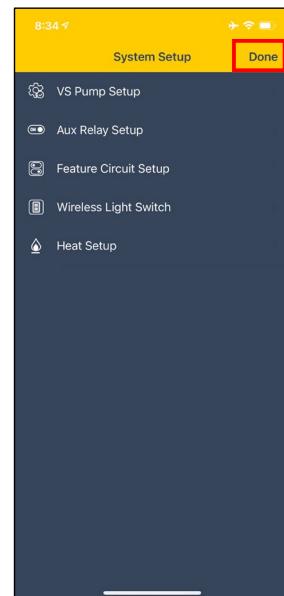
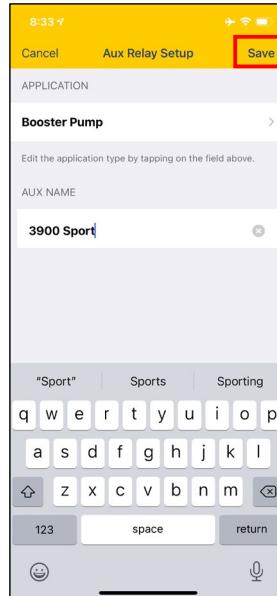
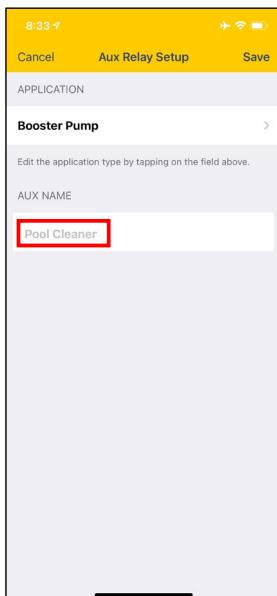


AUX RELAY BOOSTER PUMP

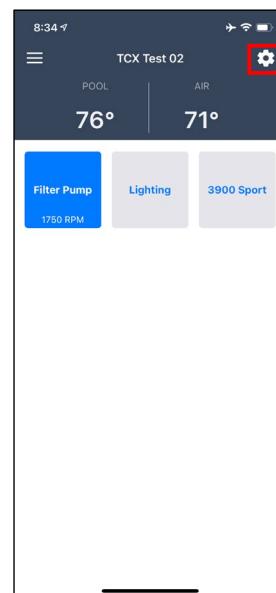
To change the name of the Aux select "Aux Name".

Enter the name of the aux and select "Save".

From System Setup select "Done" to return to the TCX™ home screen.



To set up a VSP Speed for the Booster Pump, select the Gear Settings menu in the upper right corner.

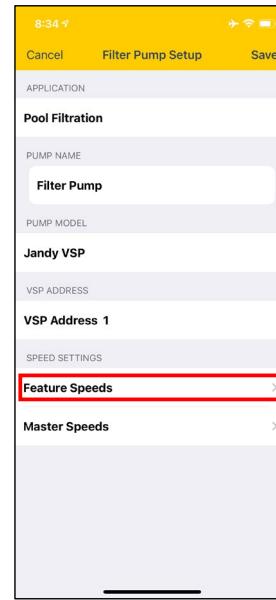
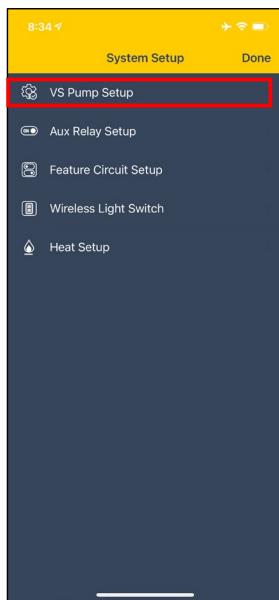


BOOSTER PUMP WITH VSP

To set the booster pump speed for the VSP select "VS Pump Setup".

In Filter Pump Setup select "Feature Speeds".

Adjust the RPM to set the Booster Pump speed. Select "Done" when complete.

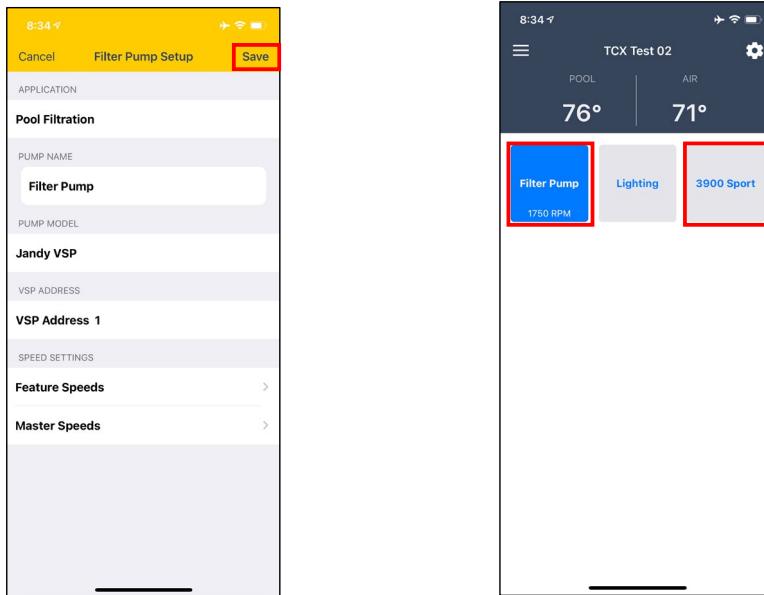


NOTES _____

BOOSTER PUMP WITH VSP

To complete booster setup, select "Save".

From the TCX™ home screen select "Filter Pump" then select "Booster Pump" to turn it on.

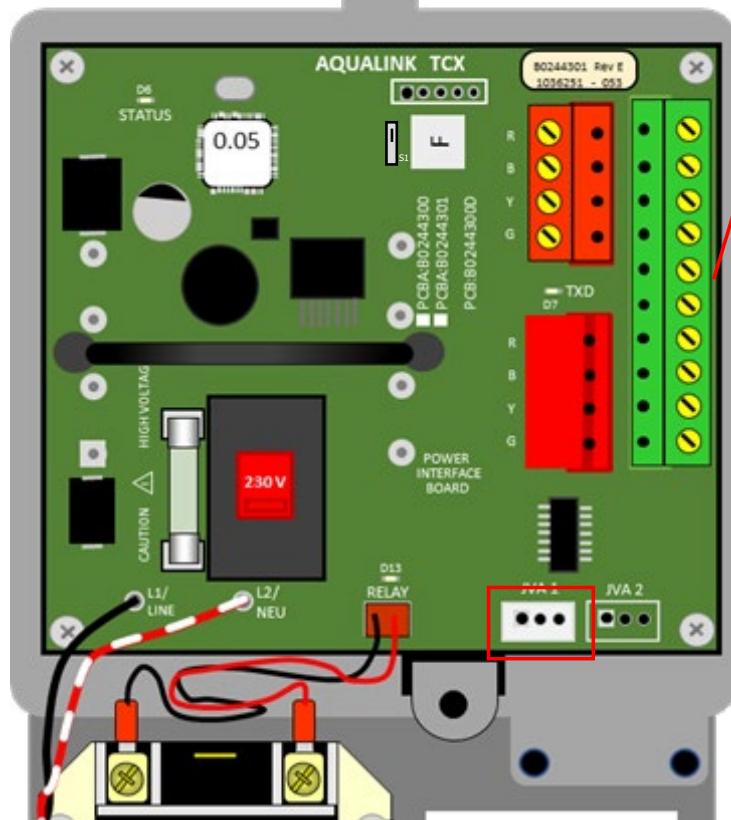


Operational Notes:

- The booster pump requires that the filter pump be on.
- If you turn on your filter pump, then turn on the booster pump, "Delay" will appear until priming is complete.
- If you turn on the booster pump with the filter pump off, the TCX will turn on the filter pump and, after the priming delay, turn on the booster pump.

NOTES _____

SENSORS & LOW VOLTAGE CONNECTIONS



In My Systems select the TCX™ you want to setup.

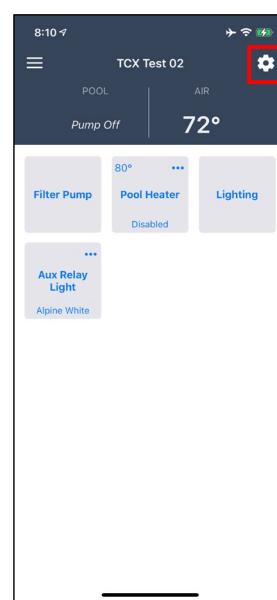
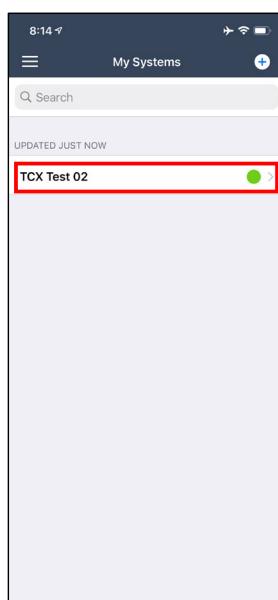
Select the Gear Settings menu in the upper right corner.

Select "System Setup" to begin Feature Circuit setup.

Sensor & LV Heater Connections
Pins 1 & 2 = LV Heater Connection
Pins 3 – 8 = Sensor Connections

- | | |
|------|---------------------------|
| (10) | Not Used |
| (9) | Not Used |
| (8) | Air Sensor (Red) |
| (7) | Air Sensor (Blk) |
| (6) | Water Sensor (Red) |
| (5) | Water Sensor (Blk) |
| (4) | Solar Sensor (Red) |
| (3) | Solar Sensor (Blk) |
| (2) | Low Voltage Heater (Out)* |
| (1) | Low Voltage Heater (In)* |
- * = 49 VAC or less only

Connect feature JVA to JVA socket.



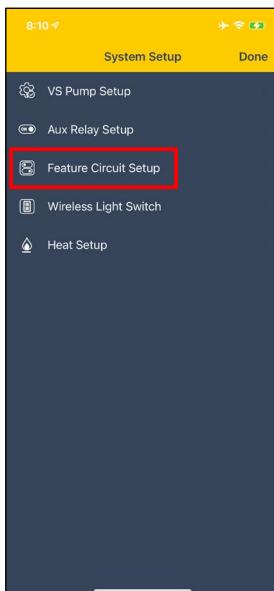
FEATURE CIRCUIT

In System Setup select "Feature Circuit Setup".

Press "Not Used" to choose the appropriate application.

Select the appropriate feature type to be used and select "Done"

Options: Pool Cleaner, Water Feature, Other, or Not Used.

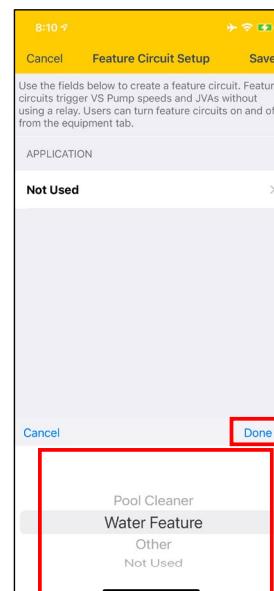


To change the name of the circuit, select "Name Feature Circuit".

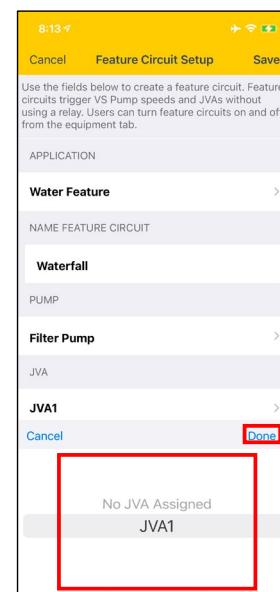
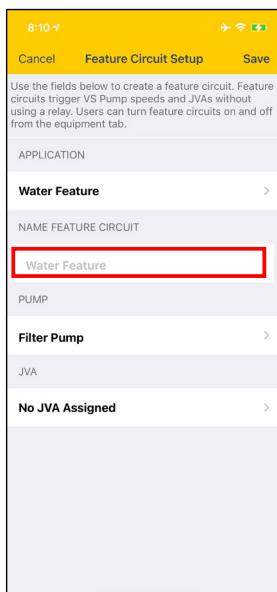


To assign the JVA to the feature circuit, select "JVA".

NOTE: You cannot assign a JVA if a solar heater is installed.



Choose "JVA1" from the wheel and press "Done".



FEATURE CIRCUIT

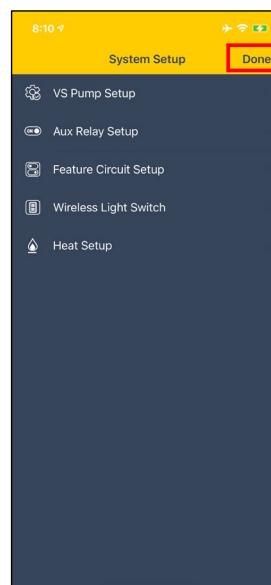
Select "Save".

Select "Done".

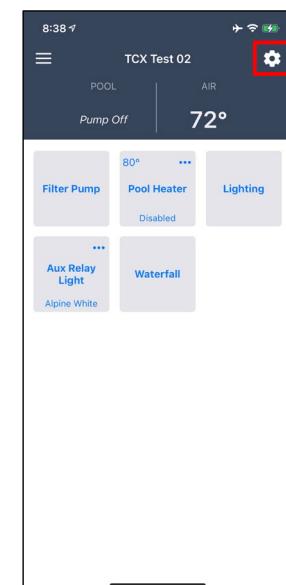
TCX™ home screen.
To set up a VSP Speed for the feature circuit, select the Gear Settings menu in the upper right corner.



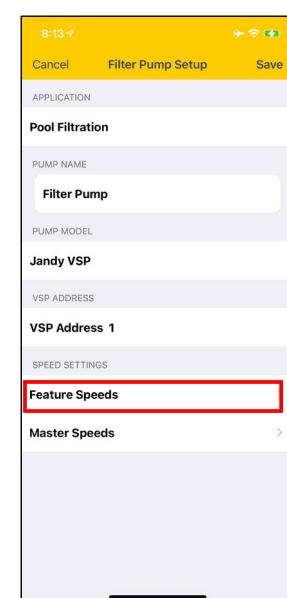
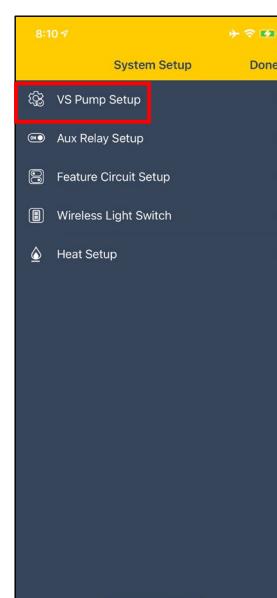
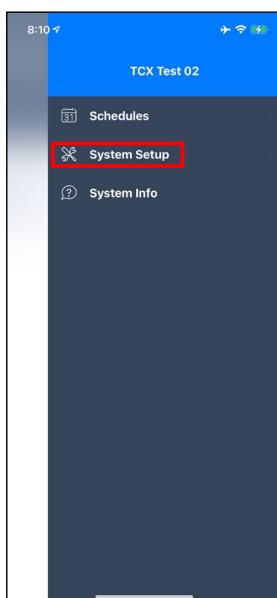
Select "System Setup".



Select "VS Pump Setup".



Select "Feature Speeds".

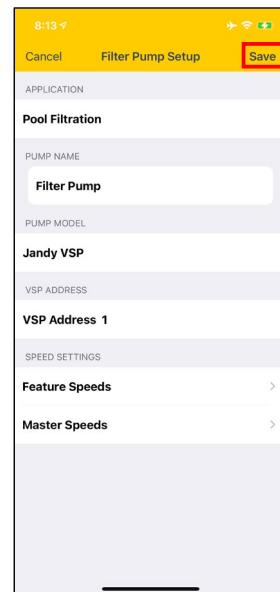
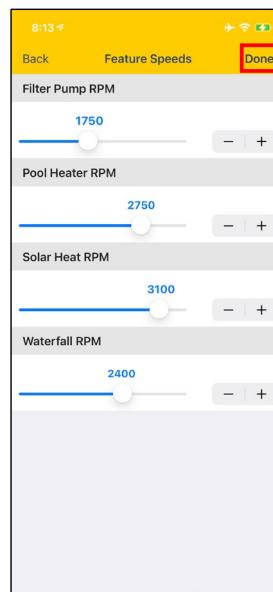
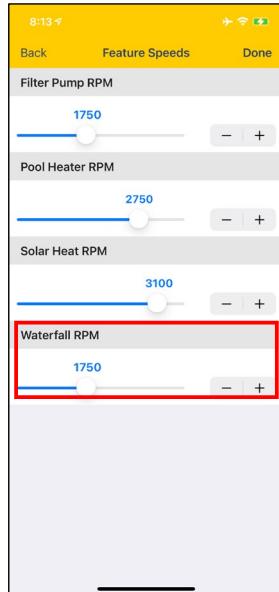


FEATURE CIRCUIT

Adjust the feature speed to the appropriate rpm.

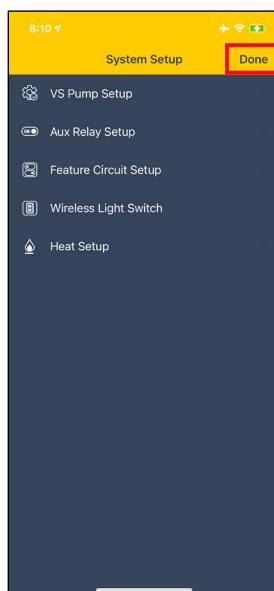
Select "Done".

Select "Save"



Select "Done".

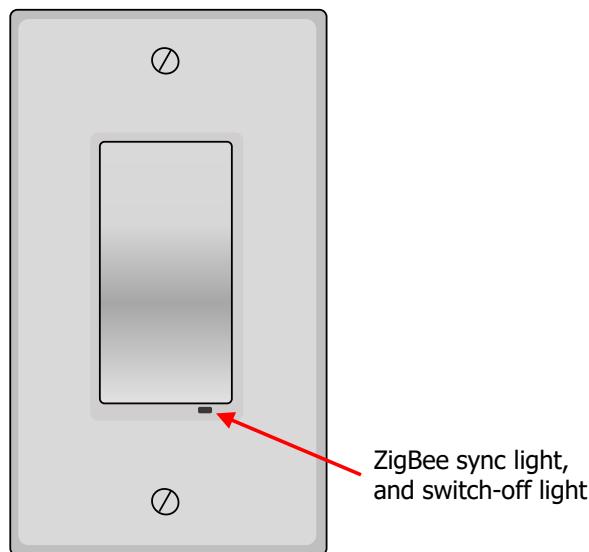
From the TCX™ home screen select "Filter Pump" then select "Feature Circuit" to turn it on.



INSTALLATION

Jasco Part Number: 45856
Leviton Cover Number: 021-80401-W

Wireless Light Switch:
WLS4INF

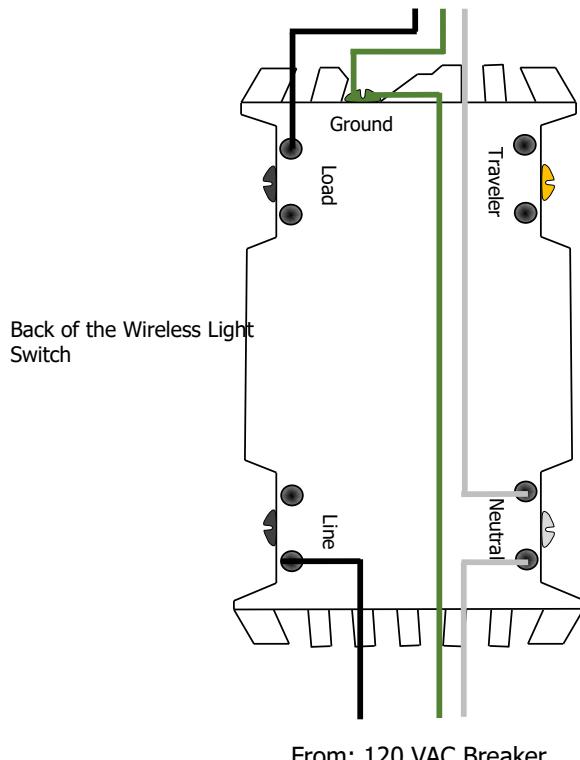


Operational Notes:

- The wireless light switch is for use with white and Jandy Color lights*.
- The light switch communicates through ZigBee communication to the Command Hub.
- The switch is designed to turn the light on/off. Dimming is not available.
- ZigBee recommends no more than a line of sight of 300 feet from the TCX™ antenna and the wireless switch. *This is greatly reduced through the passage of walls and other obstructions.*

* Control of some Pentair & Hayward color lights available.

To: 120 VAC White Light or
120 VAC to 12 VAC Transformer



Wiring Notes:

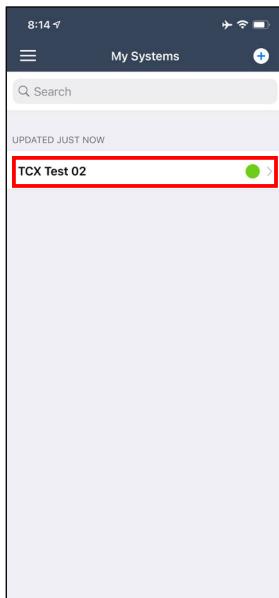
- For the ZigBee to work, the Neutral must be run through the switch as shown.
- When low voltage lighting is used, the transformer should always be on the load side of the switch.

APP PAIRING

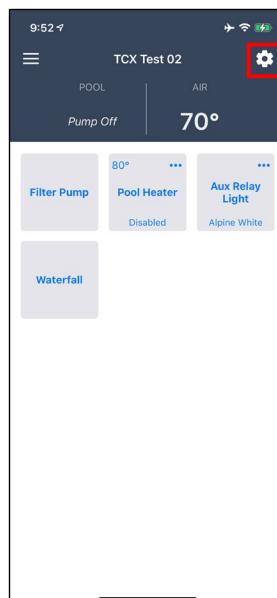
In My Systems select the TCX™ you want to setup.

Select the Gear Settings menu in the upper right corner.

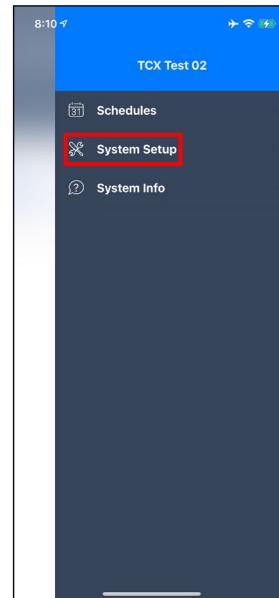
Select "System Setup" to begin Wireless Switch Setup.



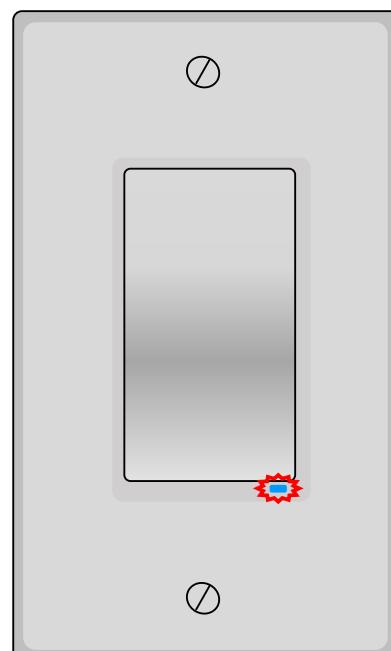
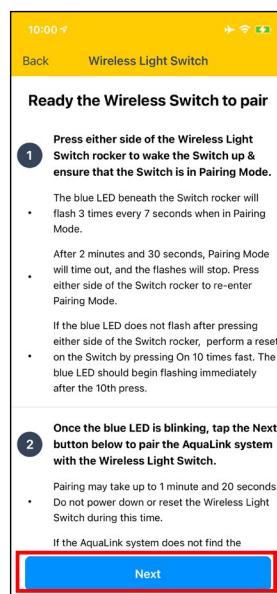
In System Setup select "Wireless Light Switch".



Turn on the breaker to the Wireless Switch. Follow the instructions on the screen and select "Next".

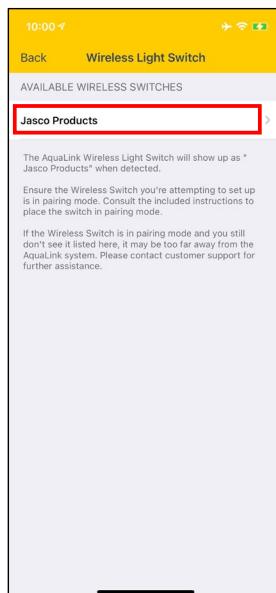


The light in the lower right will start blinking blue on the switch indicating a search for the Command Hub.



APP PAIRING

On Wireless Light Switch Screen select “Jasco Products” which will appear when the Command Hub and Wireless Switch have connected.



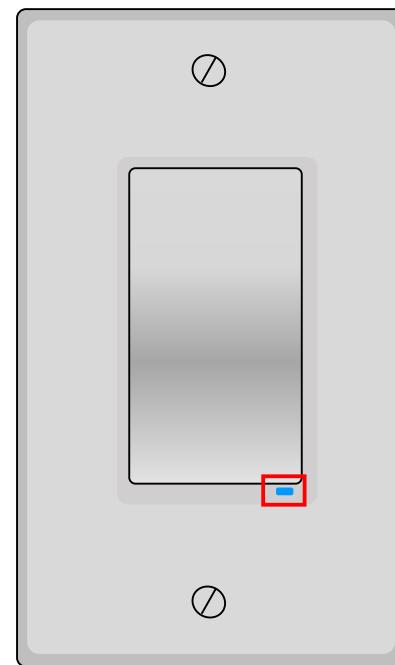
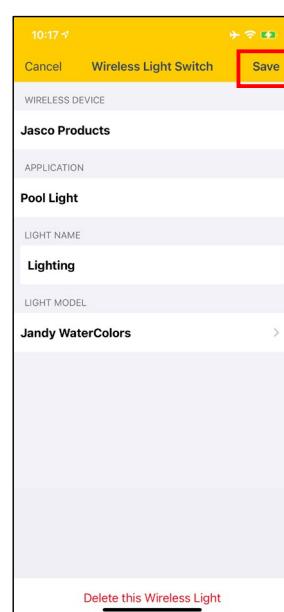
Press “Save”

Select “Light Name” and enter the name for the light.



The light in the lower right will remain solid blue on the switch indicating the wireless switch is paired and the light is off.

At the bottom of the screen, click “LIGHT MODEL” and use the wheel to choose the appropriate color sequence followed by “Done”.

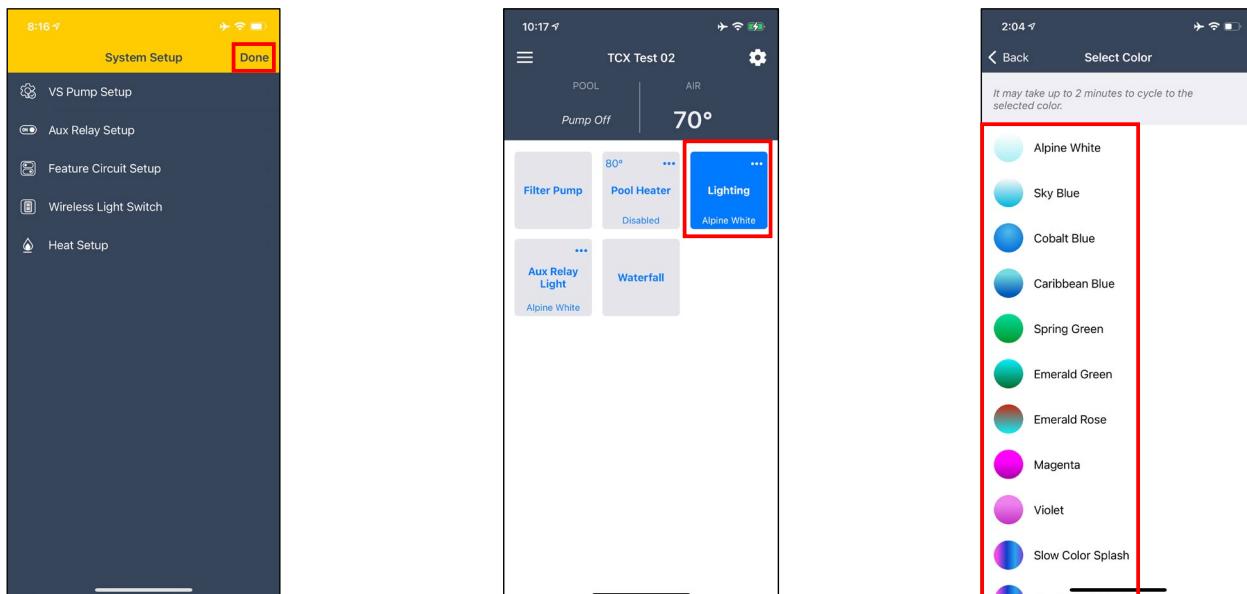


APP PAIRING

From System Setup select "Done" to return to the TCX™ home screen.

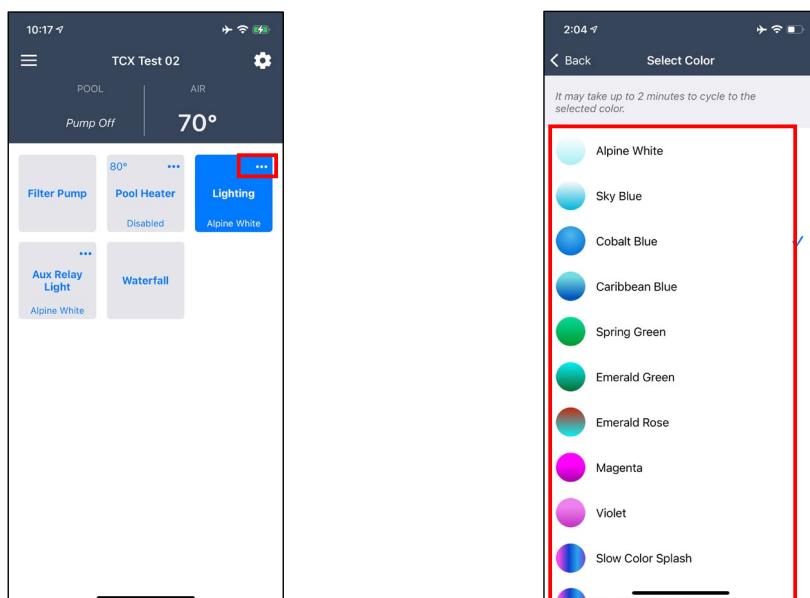
To turn the light on, press the "Lighting" tile.

Choose the appropriate color from the list.



When the light is on it will report the active color at the bottom of the tile. To change the color, press the three dots.

Choose the new color from the list of colors. Note the checkmark next to the active color.



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