



OWNER'S MANUAL

ENGLISH



AquaLink[®] RS OneTouch[™] Control Systems

For use with
AquaLink RS Systems
with Rev O.2 - T.1 Firmware

⚠ WARNING

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. In the event no such state or local requirement exists, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance, so that all of the instructions in this 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.

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ICON LEGEND:



- Indicates a **warning** that if not followed could result in injury or death.



- Indicates a **caution** that if not followed could result in property or equipment damage or failure.

MENU/HELP

EQUIPMENT ON/OFF

- Indicates the main menu heading that the section feature falls under.

ONETOUCH ON/OFF



-Indicates a note that requires special attention for proper equipment operation.



- Indicates optional equipment that may not be available or installed on every equipment configuration.

SECTION 1. IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

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

To reduce the risk of injury, do not remove the suction fittings of your spa or hot tub. Never operate a spa or hot tub if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the equipment assembly.

WARNING

Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include dizziness, fainting, drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include: 1) unawareness of impending danger; 2) failure to perceive heat; 3) failure to recognize the need to exit spa; 4) physical inability to exit spa; 5) fetal damage in pregnant women; 6) unconsciousness resulting in a danger of drowning.

WARNING

Risk of electric shock, which could result in severe injury or death - Install the power center at least five (5) feet (1.52m) from the inside wall of the pool and/or hot tub using non-metallic plumbing. Canadian, Australian, and European installations must be at least three (3) meters from the water.

Children should not use spas or hot tubs without adult supervision.

Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment.

People using medications and/or having an adverse medical history should consult a physician before using a spa or hot tub.

WARNING

To avoid injury ensure that you use this control system to control only packaged pool/spa heaters which have built-in operating and high limit controls to limit water temperature for pool/spa applications. This device should not be relied upon as a safety limit control.



WARNING

To Reduce the Risk of Injury -

- The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
- Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
- Before entering a spa or hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices varies.
- The use of alcohol, drugs, or medication before or during spa or hot tub use may lead to unconsciousness with the possibility of drowning.
- Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
- Persons using medication should consult a physician before using a spa or hot tub since some medication may induce drowsiness while other medication may affect heart rate, blood pressure, and circulation.



WARNING

People with infectious diseases should not use a spa or hot tub.

- To avoid injury, exercise care when entering or exiting the spa or hot tub.
- Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning.
- Do not use a spa or hot tub immediately following strenuous exercise.
- Prolonged immersion in a spa or hot tub may be injurious to your health.
- Do not permit any electric appliance (such as a light, telephone, radio, or television) within 5 feet (1.52m) of a spa or hot tub.
- The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

 **WARNING**

A terminal bar marked "GROUND" is provided within the power center. To reduce the risk of electrical shock, connect this terminal bar to the grounding terminal of your electric service or supply panel with a continuous copper conductor having green insulation and one that is equivalent in size to the circuit conductors supplying this equipment, but no smaller than no. 12 AWG (3.3mm²). In addition, a second wire connector should be bonded with a no. 8 AWG (8.4mm²) copper wire to any metal ladders, water pipes, or other metal within five (5) feet (1.52m) of the pool/spa. In Canada, the bonding wire must be minimum 6 AWG (13,3mm²).

 **WARNING**

A ground-fault circuit-interrupter must be provided if this device is used to control underwater lighting fixtures. The conductors on the load side of the ground-fault circuit-interrupter shall not occupy conduit, boxes, or enclosures containing other conductors unless the additional conductors are also protected by a ground-fault circuit-interrupter. Refer to local codes for complete details.



Attention installer: Install to provide drainage of compartment for electrical components.

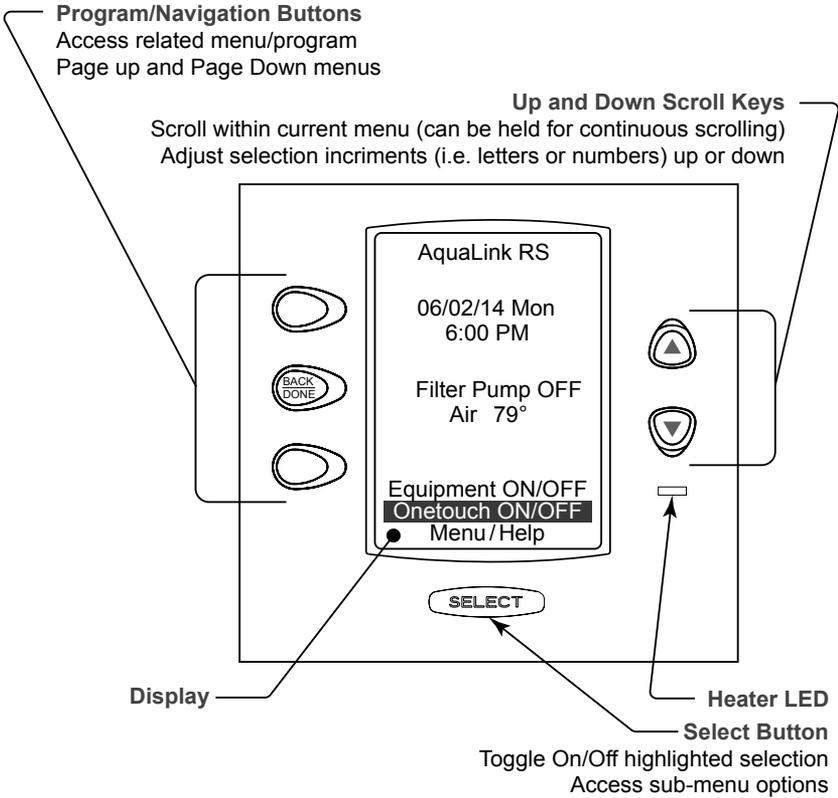
SAVE THESE INSTRUCTIONS

SECTION 2. DISPLAY

2.1 USER INTERFACE (UI)

The AquaLink RS One Touch operates pool/spa equipment through main system menus and/or

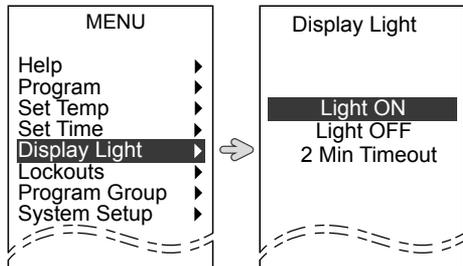
automated programs. The function of the various navigation buttons are outlined below.



2.2 DISPLAY LIGHT

MENU/HELP

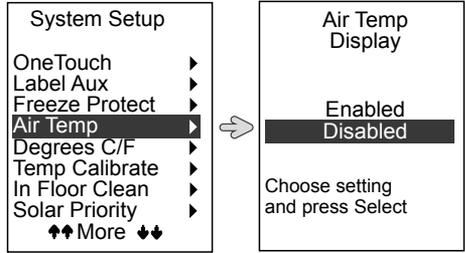
Select to turn the display light on or off or set a 2 minute time out.



2.3 AIR TEMPERATURE DISPLAY

MENU/HELP SYSTEM SETUP

Select to enable or disable the display of current air temperature.

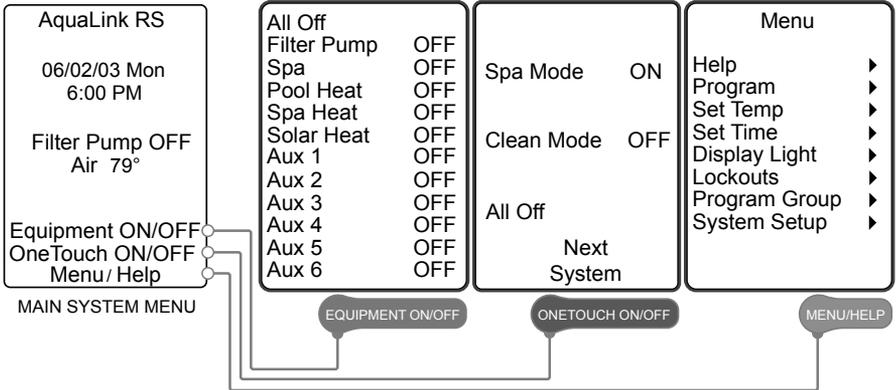


SECTION 3. SYSTEM

3.1 MAIN SYSTEM MENU

From the Main System Menu you can access the 3 main submenus of the OneTouch System:

- **EQUIPMENT ON/OFF** - Toggle equipment on and off.
- **ONETOUCH ON/OFF** - Access programmed One Touch function
- **MENU/HELP** - Access help, settings and setup.



3.2 POWER

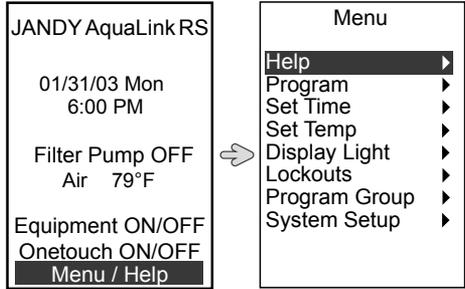
In the event of a power failure, the date and time are backed up with a coin cell battery located in the power center enclosure. All other programs and menu setups do not require battery backup.

In firmware revision O.2, or higher a power interruption while the AquaLink RS system is in service or time out mode will return the system to auto mode. In previous firmware versions, the system defaults to the last mode of operation.

3.3 HELP

MENU/HELP

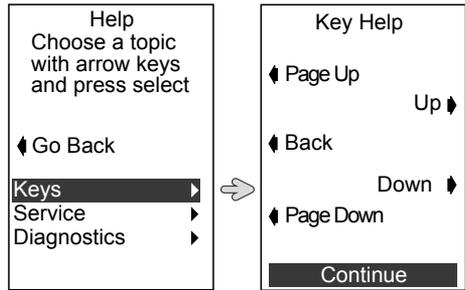
The HELP menu provides access to the KEYS, SERVICE and DIAGNOSTICS sub menus. These sub menus provide general information about the system, and feedback from sensors and controls.



3.3.1 KEYS

MENU/HELP HELP

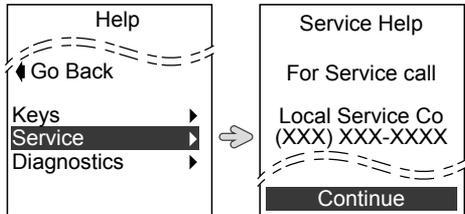
Select to display the function of the User Interface (UI) Buttons.



3.3.2 SERVICE

MENU/HELP HELP

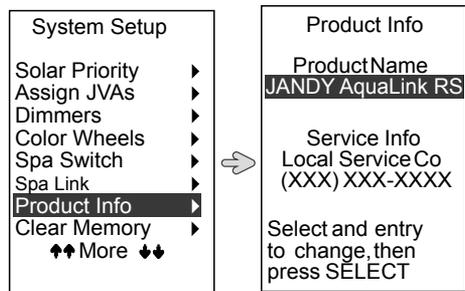
Select to display contact information for your local or preferred service company.



3.3.2.(A) PRODUCT INFO

MENU/HELP SYSTEM SETUP

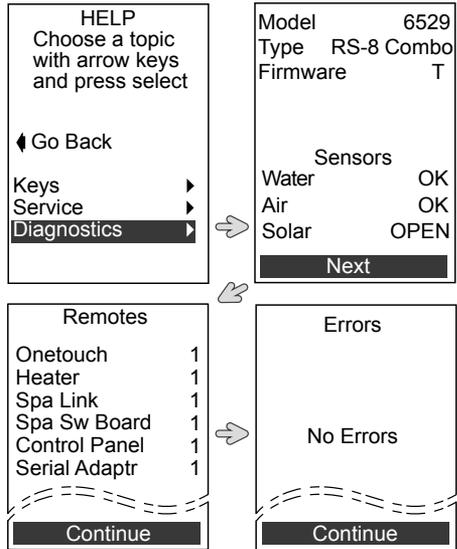
Select to display system information and to enter custom information for your local or preferred service center.



3.3.3 DIAGNOSTICS

MENU/HELP HELP

Select to find the status of system connections, and check those connections for any related errors. This selection will also display the model, type, and firmware revision level information.



3.4 SYSTEM TIME

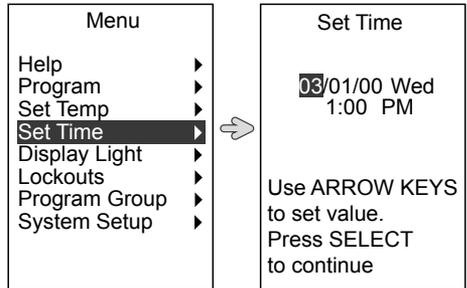
The following functions provide controls for the setup, display and maintenance of system date and

time, along with time sensitive controls for the automation of equipment operation.

3.4.1 SET TIME

MENU/HELP

Select to set the correct date and time for system operation.

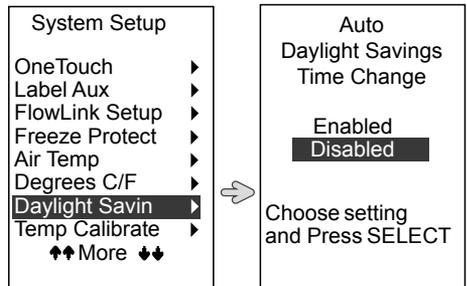


3.4.2 DAYLIGHT SAVINGS

MENU/HELP SYSTEM SETUP

Select to have the system automatically adjust operation times for daylight savings.

Daylight Saving Time in the United States begins at 2:00 a.m. on the second Sunday of March and ends at 2:00 a.m. on the first Sunday of November. For details please visit www.nist.gov.



3.4.3 DUSK SETUP

MENU/HELP SYSTEM SETUP

Select to set up equipment to automatically activate at sunset.



NOTE: System time and date must be correct for feature to operate correctly

- Select OFF AT to specify the time that DUSK CONTROL will deactivate.
- Select TIME ADJUST to adjust the start time of dusk controlled devices.



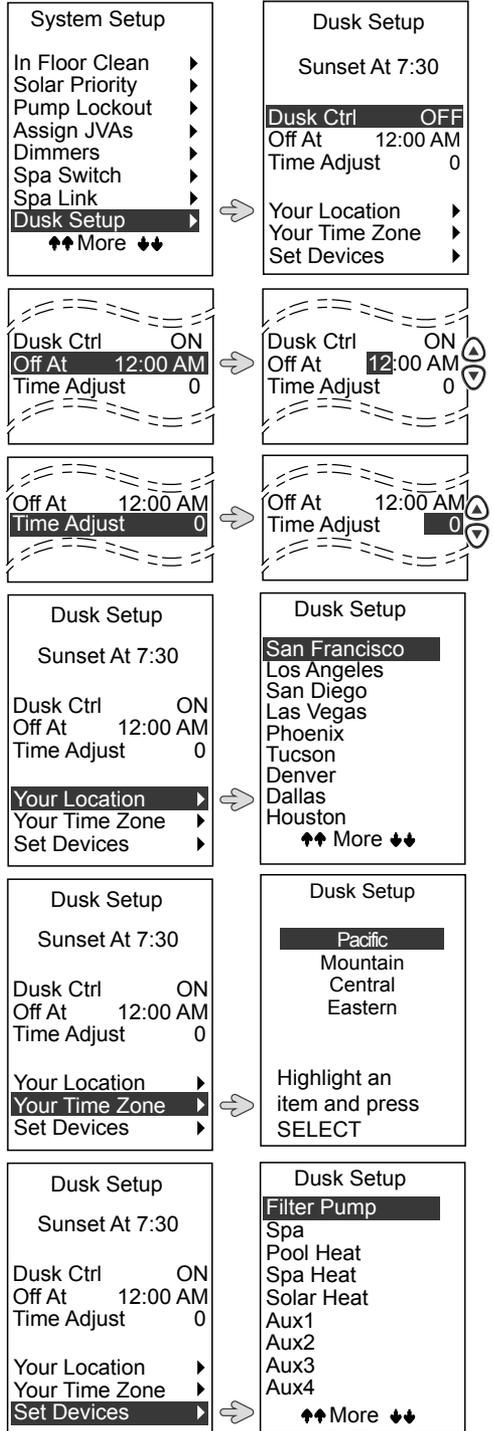
NOTE: TIME ADJUST is particularly useful when located between major city locations (below) or in a heavily shaded area.

- Select YOUR LOCATION to identify the major city location nearest you.
- Select YOUR TIME ZONE to identify your time zone in the system.
- Select SET DEVICES to choose the equipment that will operate under DUSK CONTROL. An “X” will be displayed to the right of each selected device.

3.4.4 SEASONAL ADJUST

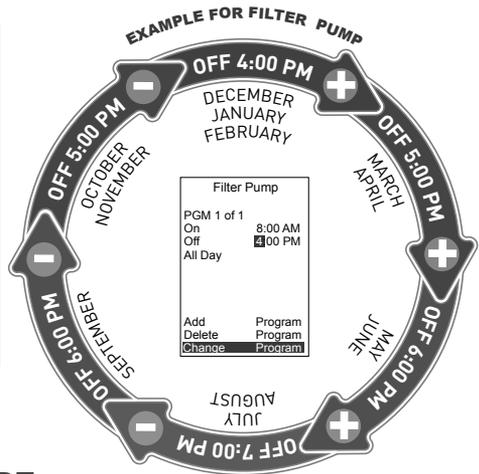
MENU/HELP SYSTEM SETUP

Select to enable the system to automatically adjust the filtration cycles, chlorine levels, water levelling and sprinkler system programs based on the seasons when outdoor temperatures and daylight hours typically change.



Seasonal Adjust Values		
Program	Default	Adjustable Range
Filtration	1 hr	.5 hr 1.5 hrs, 2 hrs
*Cleaner	1 hr	.5 hr 1.5 hrs, 2 hrs
†AquaPure®	15%	10%, 15%, 20%
Sprinklers	5 min	2-10 min
‡Fill Line	5 min	N/A

*Will only display if DIP Switch S1-1 is on
 †Will only display if a chlorine generator is attached to the system
 ‡Will only display if an AUX has been assigned the FILL LINE label



3.5 SYSTEM TEMPERATURE

The following functions provide controls for the setup, display and maintenance of system temperature,

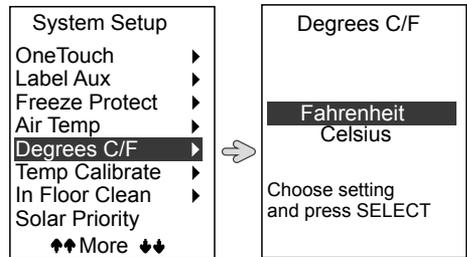
along with temperature sensitive controls for the automation of equipment operation.

3.5.1 SET DEGREES (CELSIUS OR FAHRENHEIT)

MENU/HELP SYSTEM SETUP

Select to set system temperature to display in degrees Celsius (°C) or Fahrenheit (°F).

NOTE: Changing from °F. to °C requires reentry of the temperature settings in SET TEMP under MAIN MENU. See "4.4.2 Set Temp".

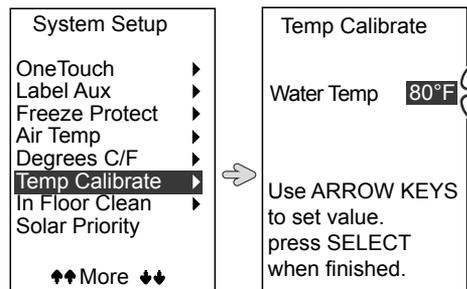


3.5.2 TEMP CALIBRATE

MENU/HELP SYSTEM SETUP

Select to adjust the temperature displayed on the AquaLink RS system.

- Temperature can only be adjusted by 4° F up or down, and should be made for accuracy only, not to override the standard maximum of 104° F.



NOTE: If system temperature is off by more than 4°F, contact your local service representative.

3.5.3 MAINTAIN TEMP

MENU/HELP SYSTEM SETUP

Select to set how often the water temperature is sampled with the MAINTAIN TEMP feature is active.

- The default setting for two (2) hours.
- Sampling interval can be set to one (1), two (2) or four (4) hours.

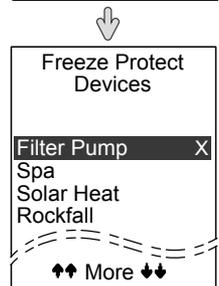
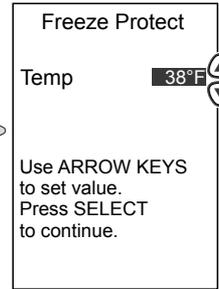


3.5.4 FREEZE PROTECT

MENU/HELP SYSTEM SETUP

Select to set the temperature for the FREEZE PROTECT function and to assign which equipment will activate when freezing conditions are detected.

- Freeze protected equipment will turn ON when freezing conditions are detected.
- Activation temperature can be adjusted between 34°F and 42°F.
- Default activation temperature is 38°F, and deactivation temperature is within 2°F.



WARNING

Freeze protection is intended to protect equipment and plumbing for short periods of freezing only. It does this by activating the filtration pump and circulating the water to prevent freeze inside equipment or plumbing. Freeze protection does **not** guarantee that equipment will not be damaged by extended periods of freezing temperatures or power outages. In these conditions, the pool and spa should be shut down completely (e.g. drained of water and closed for the winter) until warmer weather exists.



CAUTION

Activating the spa during freezing conditions will override freeze protection. This means that if you are using your spa when freezing conditions exist, freeze protection will **not** circulate water to non-spa related equipment that you may have freeze protected (e.g. pool cleaner, booster pump.) Under these circumstances, the potential for equipment damage may exist.

3.6 SECURITY

The following functions provide controls for the setup and operation of secured equipment. This includes

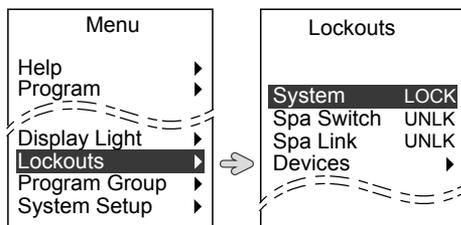
setting up manual lockouts, system and device passwords and resetting the system memory.

3.6.1 LOCKOUTS

MENU/HELP

Select to manually lock or unlock system devices. Locked items help to prevent unintentional changes to specific AquaLink RS operations.

- When LOCK is displayed any changes to programs or system setup features are prevented.
- When SpaLink and Spa Switch display LOCK, all controls for both systems are deactivated.



- Devices displaying LOCK will still function normally under any programs for which they are assigned.

3.6.2 PASSWORD PROTECTION

MENU/HELP

Passwords can be set for system programs and devices. Users are able to set passwords to restrict access to controls for those functions.



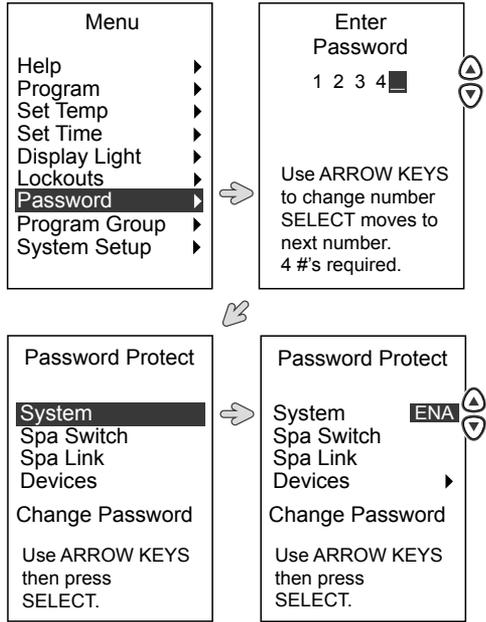
3.6.2.(A) PASSWORD PROTECT SYSTEM

MENU/HELP

PASSWORD

- The password must be 4 numbers and the same password is used for SYSTEM, PROGRAMS, SPA SWITCH, SPALINK®, and DEVICES.
- The system will accept a default password of “1234”, until a new password is established using the CHANGE PASSWORD menu option.

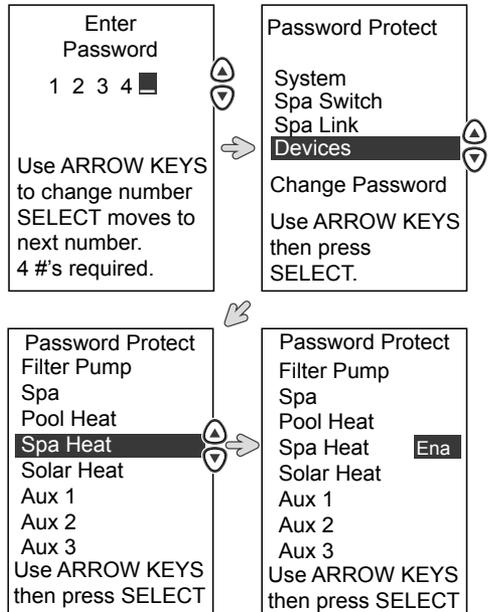
- If you forget your password please contact you local or preferred dealer.
- When a password restriction is set the feature will display “ENA”.
- With a password set for the system, a password entry screen will display when a user attempts to access SET TEMP, SET TIME, PROGRAMS, PROGRAM GROUPS or SYSTEM SETUP.



3.6.2.(B) PASSWORD PROTECT DEVICES

MENU/HELP PASSWORD

- With a password set for a device, a password entry screen will display when a user attempts to access that device from a OneTouch control interface.
- With a password set for a SpaLink or Spa Side Remote, the unit will not respond if a user attempts to access that device.
- Passwords protecting the systems, programs or devices do not require Lockouts to be set.

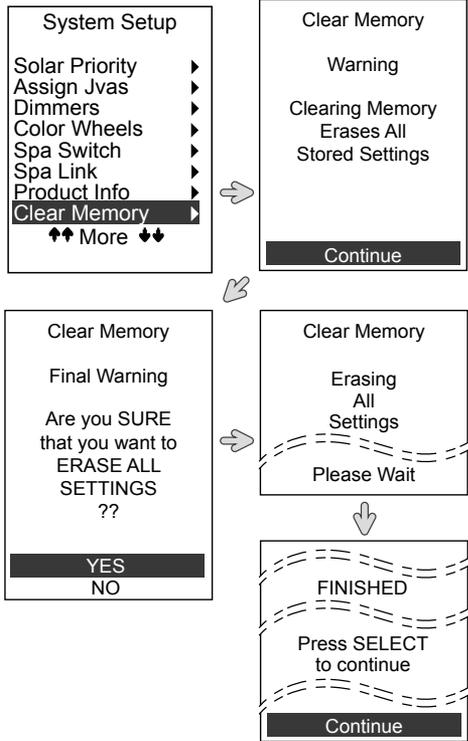


3.6.3 CLEAR MEMORY

MENU/HELP SYSTEM SETUP

The Clear Memory setup menu is used to clear all stored values from the AquaLink RS memory.

- All settings will be reset to their default settings.
- Stored values include auxiliary labels, all programs, freeze protection settings, remote settings, and thermostat settings.
- The time and date will not be cleared.
- There is a 15 second delay before the final screen is displayed.

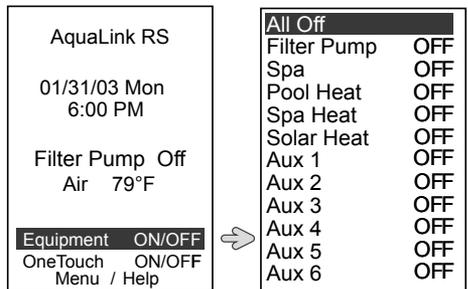


SECTION 4. EQUIPMENT

4.1 ALL OFF

EQUIPMENT ON/OFF

Select to manually set system to ALL OFF mode. ALL OFF deactivates all equipment that has been turned on manually or by a program. This includes heater enables that were on (unless in use by the Maintain function).



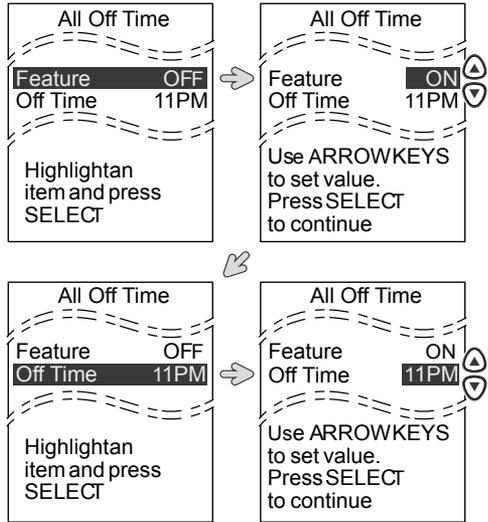
AquaLink RS	
01/31/03 Mon 6:00 PM	
Filter Pump Off Air 79°F	
Equipment	ON/OFF
OneTouch	ON/OFF
Menu / Help	

All Off	
Filter Pump	OFF
Spa	OFF
Pool Heat	OFF
Spa Heat	OFF
Solar Heat	OFF
Aux 1	OFF
Aux 2	OFF
Aux 3	OFF
Aux 4	OFF
Aux 5	OFF
Aux 6	OFF

4.1.1 ALL OFF TIME

MENU/HELP SYSTEM SETUP

Select to set an automatic time each day for the system to enter the ALL OFF mode.

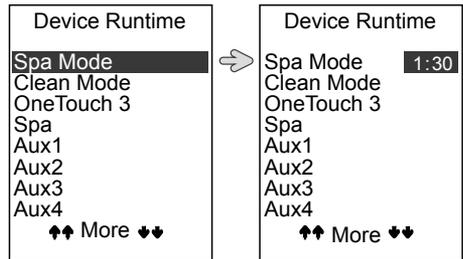


4.2 DEVICE RUNTIME

MENU/HELP SYSTEM SETUP

Select to assign a runtime for a device or auxiliary.

- When a device is turned on from the EQUIPMENT ON/OFF menu, it will run for the duration specified in the DEVICE RUNTIME settings.
- A device runtime can be assigned to SPA, any AUX or ONETOUCH program, and set for a minimum of 1 minute to a maximum of 5 hours.



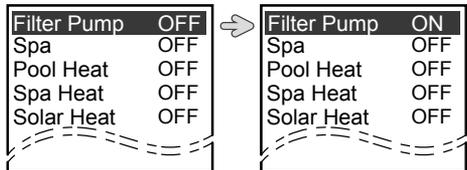
4.3 CIRCULATION

4.3.1 FILTER PUMP

4.3.1.(A) ON/OFF

EQUIPMENT ON/OFF

Select to turn the main filtration pump on and off.



- Circulates the pool or spa water through the filter and heater.

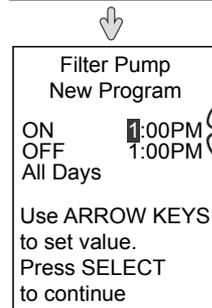
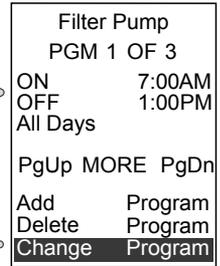
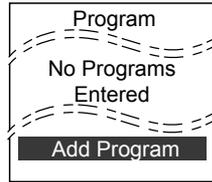
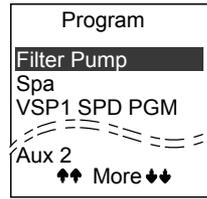
- Will activate if the spa, pool cleaner, or spa spill-over are activated.
- Must be on to display the pool temperature or to heat the pool.

4.3.1.(B) PROGRAM FILTER PUMP

MENU/HELP PROGRAM

Select to program the ON and OFF times for the filter pump or to change, add or delete existing filter pump programs.

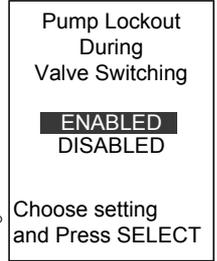
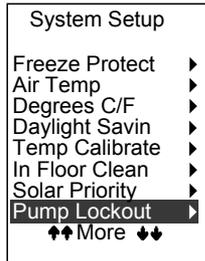
- Programs can be set for any range of days.
- Programs can be set for multiple on/off times each day.
- Programs can be added, deleted, or changed as needed.
- Program must be displayed when deleting or changing.
- A program with a start time earlier than the current time will execute on the following programmed day.



4.3.1.(C) PUMP LOCKOUT

MENU/HELP SYSTEM SETUP

Select to ENABLE (pump off) or DISABLE (pump remains on) when valves rotate from pool to spa.

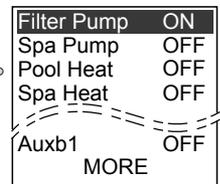
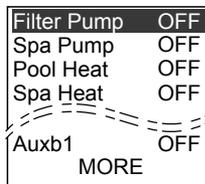


4.3.1.(D) FILTER PUMP (DUAL EQUIPMENT)

EQUIPMENT ON/OFF

Select to turn the main filtration pump on and off.

For dual equipment configurations additional equipment options will be available, and both the filter pump and spa pump can operate simultaneously



4.3.2 SPA

4.3.2.(A) ON/OFF

EQUIPMENT ON/OFF

Select to switch water circulation from the pool to spa (pool/spa “PS” combination models only).

- Activates the filter pump (after a 30 second delay for valve rotation) and deactivates the pool cleaner/booster pump if it is on.
- Must be on to display the spa temperature and/or to heat the spa.

Filter Pump	OFF
Spa	OFF
Pool Heat	OFF
Spa Heat	OFF
Solar Heat	OFF
Aux 1	OFF
Aux 2	OFF
Aux 3	OFF
Aux 4	OFF
Aux 5	OFF
Aux 6	OFF
Aux 7	OFF

Spa Will Turn On After Delay

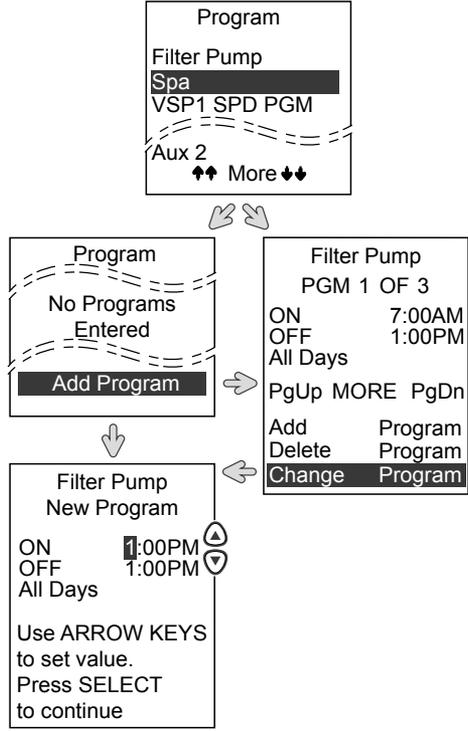
Filter Pump	OFF
Spa	ON

4.3.2.(B) PROGRAM SPA

MENU/HELP PROGRAM

Select to program the ON and OFF times for the spa or to change add or delete existing filter pump programs.

- Programs can be set for any range of days.
- Programs can be set for multiple on/off times each day.
- Programs can be added, deleted, or changed as needed.
- Program must be displayed when deleting or changing.
- A program with a start time earlier than the current time will execute on the following programmed day.



4.3.2.(C) SPA (DUAL EQUIPMENT)

EQUIPMENT ON/OFF

Select to turn spa pump on.

For dual equipment configurations additional equipment options will be available, and both the filter pump and spa pump can operate simultaneously

Filter Pump	OFF
Spa Pump	OFF
Pool Heat	OFF
Spa Heat	OFF
Aux 1	OFF

Filter Pump	OFF
Spa Pump	ON
Pool Heat	OFF
Spa Heat	OFF
Aux 1	OFF

4.3.3 VARIABLE SPEED PUMP

4.3.3.(A) VARIABLE SPEED PUMP (SETUP)

MENU/HELP SYSTEM SETUP

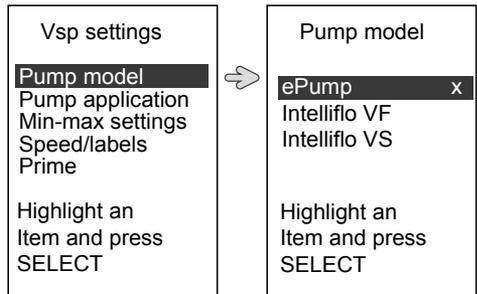
Select to set up the variable speed pump. The following functions provide controls for selecting the pump type, and for setting the pump

application, speed and speed/flow limits, custom labels as well as priming speed and duration.

4.3.3.(B) PUMP MODEL

MENU/HELP SYSTEM SETUP VAR SPEED PUMP PUMP MODEL

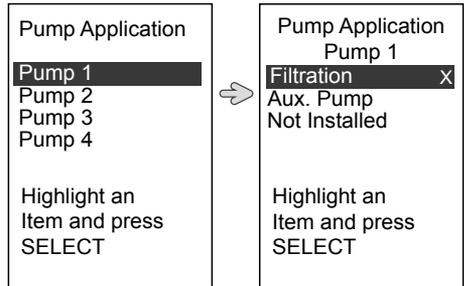
Select to control one of four types of Variable speed pumps: Jandy® ePump™, IntelliFlo® VF, IntelliFlo VS, or IntelliPro® VS¹.



4.3.3.(C) PUMP APPLICATION

MENU/HELP SYSTEM SETUP VAR SPEED PUMP PUMP APPLICATION

Select to set pump application. Up to 4 variable speed pumps can be controlled and assigned a specific application based on equipment installed (see table below). The default setting is NOT INSTALLED. The pump can also be configured as an AUX and operate independently of the water filtration mode.



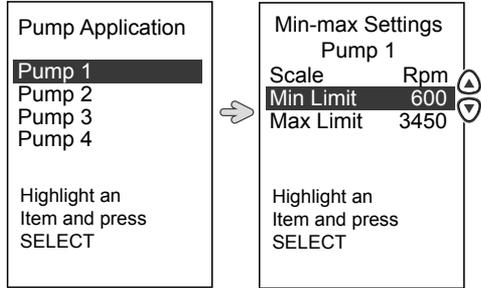
Variable Speed Pump Application		
Combo	Pool/Spa Only	Dual Equipment
FILTRATION	FILTRATION	POOL PUMP
NOT INSTALLED	NOT INSTALLED	SPA PUMP
AUX. PUMP	AUX. PUMP	AUX. PUMP
		NOT INSTALLED

4.3.3.(D) MIN-MAX SETTINGS

MENU/HELP SYSTEM SETUP VAR SPEED PUMP MIN-MAX SETTINGS

Select to set a minimum and maximum global speed or flow.

- Scale is fixed at RPM for: Jandy® ePump™ DC, IntelliFlo® VS, IntelliPro® VS.
- Scale is fixed at GPM for: IntelliFlo VF

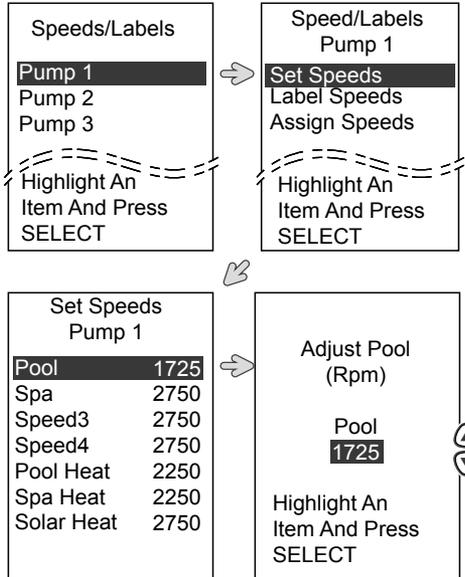


4.3.3.(E) SPEED/LABELS

MENU/HELP SYSTEM SETUP VAR SPEED PUMP SPEED/LABELS

4.3.3.(E-1) SET SPEEDS

Select to set and/or edit the speeds for various pool functions. There are 8 default preset labels depending on your equipment configuration. Each label can also be changed, new labels can be selected from a general list or custom entry.

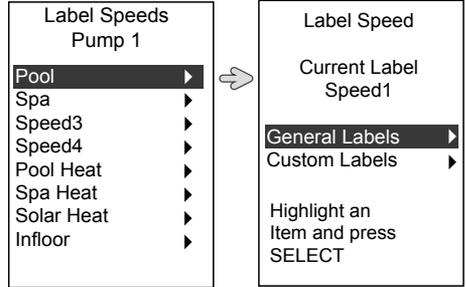
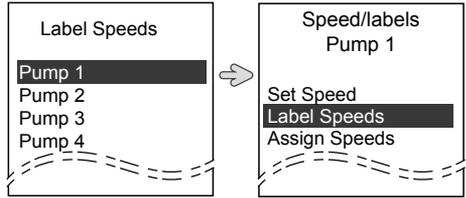


Default Speed Labels for Combo or Pool/Spa only		
Default	Pool/Spa Only	Pool/Spa Combo
1	POOL	POOL
2	SPEED 2	SPA
3	*SPEED 3	*SPEED 3
4	**SPEED 4	**SPEED 4
5	TEMP 1	POOL HEAT
6	TEMP 2	SPA HEAT
7	***SPEED 7	***SPEED 7
8	INFLOOR	INFLOOR

*CLEANER will display if dip S1-1 is on
 **SPILLOVER will display if dip S1-3 is on
 ***SOLAR HEAT will display if dip S1-7 is on
 ***HEATPUMP will display if dip S2-7 is on

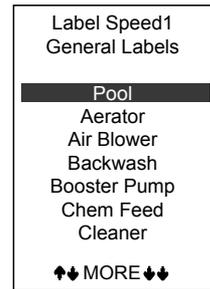
Default Speed Labels for Dual Equipment		
Default	Pool Pump	Spa Pump
1	POOL	SPEED 1
2	SPEED 2	SPA
3	*SPEED 3	SPEED 3
4	SPEED 4	SPEED 4
5	POOL HEAT	POOL HEAT
6	SPA HEAT	SPA HEAT
7	***SPEED 7	SPEED 7
8	INFLOOR	SPEED 8

*CLEANER will display if dip S1-1 is on
 ***SOLAR HEAT will display if dip S1-7 is on
 ***HEATPUMP will display if dip S2-7 is on



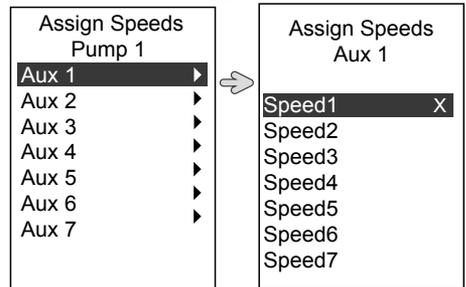
4.3.3.(E-2) LABEL SPEEDS

Select to set or edit each of the eight (8) speed presets. Labels can be changed from the default value from a predetermined list of general labels or by a custom text entry.



4.3.3.(E-3) ASSIGN SPEEDS

Select to assign speed to independent auxiliaries (AUX). When the auxiliary is activated the pump will run at the assigned speed. If more than one auxiliary (AUX) is turned on with an assigned speed the default will be for the pump to run at the higher of the two speeds.



4.3.3.(F) PRIME

MENU/HELP

SYSTEM SETUP

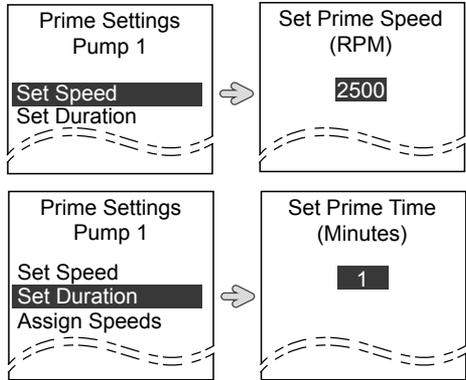
VAR SPEED PUMP

PRIME

Select to set and maintain the speed and duration of the priming of the pump.



NOTE: Priming Parameters for IntelliFlo® VF are set at the pump



4.3.4 TWO SPEED OPERATION

(REQUIRES TWO SPEED RELAY # 6769)

4.3.4.(A) POOL AND SPA COMBINATION

- HIGH SPEED (Filter Pump) must be turned ON before LOW SPEED.
- FILTER PUMP and SPA selections turns setting to HIGH SPEED.
- LOW SPEED (AUX 2) toggles between LOW and HIGH.
- Press non-activated speed to toggle.

4.3.4.(B) POOL ONLY OR SPA ONLY

- FILTER PUMP selection turns on HIGH SPEED.
- AUX 2 turns on LOW SPEED.
- Last mode used turns OFF the speed.

4.3.4.(C) DUAL EQUIPMENT

- AquaLink RS 2/6 operates similarly to Pool/Spa Only.
- Low speed is enabled for the spa pump only.
- To run pool pump at low speed an auxiliary must be assigned.

4.3.4.(D) TWO SPEED PROGRAMMING (ALL UNITS)

Programming can be set to operate both HIGH and LOW speeds together.



NOTE: Both high and low speeds are not required for programming. If only LOW SPEED is programmed, HIGH SPEED will turn on during this time to prime the pump. After three (3) minutes, the system will switch to LOW SPEED for the remainder of the programmed time.

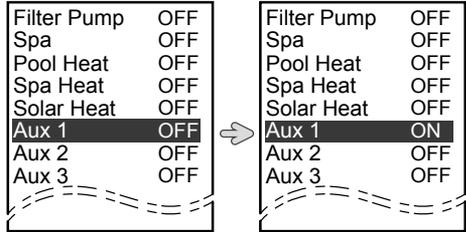
- HIGH SPEED (Filter Pump) is the total duration of filtration time and LOW SPEED (AUX 2) operates within this duration.
For example: If High Speed is set for 12 hours (i.e. 8 AM to 8 PM), then Low Speed will be set for 10 hours (i.e. 10 AM to 8 PM).

4.3.5 AUXILIARY EQUIPMENT (AUX)

EQUIPMENT ON/OFF

Select to toggle auxiliary equipment on and off.

- Auxiliary equipment can be assigned, set up and renamed through the SYSTEM SETUP sub menu

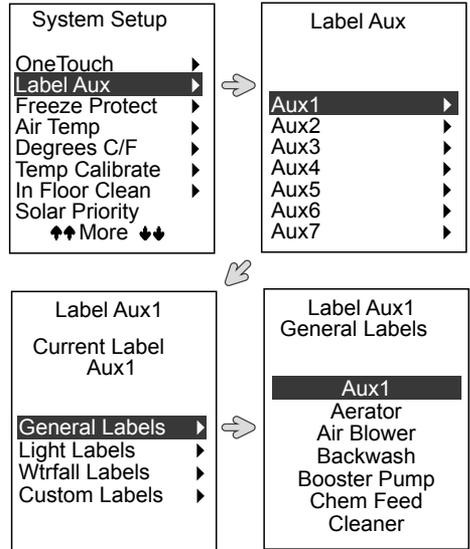


4.3.5.(A) LABEL AUX

MENU/HELP SYSTEM SETUP LABEL AUX

Select to set custom names for auxiliary equipment.

- Choose a label from 3 preset label categories, general, light and waterfall.
- If unable to find a suitable preset label a custom name can be entered manually by using the up and down keys to select characters
- Pressing Select will move to the next letter.
- Choose BACKSPACE to go back to the previous letter to correct.

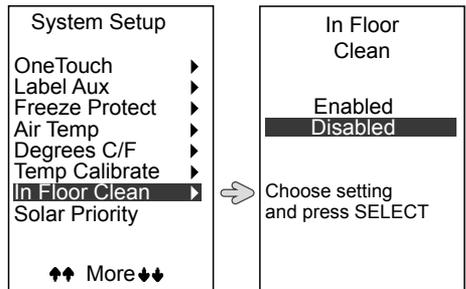


4.3.6 IN FLOOR CLEAN

MENU/HELP SYSTEM SETUP

Select to ENABLE or DISABLE the automatic in floor cleaning feature.

- When enabled, the AquaLink RS system rotates the in-floor Jandy® Valve Actuators (JVAs) every 20 minutes.



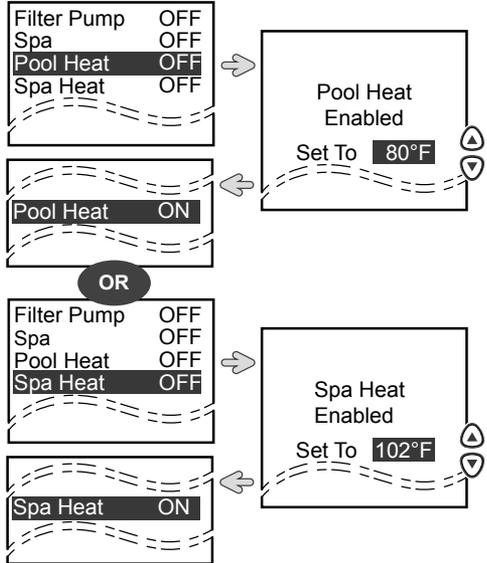
4.4 HEATING AND COOLING

4.4.1 POOL HEAT AND SPA HEAT

EQUIPMENT ON/OFF

Select **POOL HEAT** to enable the heater for the pool or **SPA HEAT** to enable the heater for the spa.

- A green LED on the user interface indicates the heater is enabled.
- A red LED on the user interface indicates the heater is on and firing.
- Pool and Spa temperatures can also be set using the **SET TEMP** function.

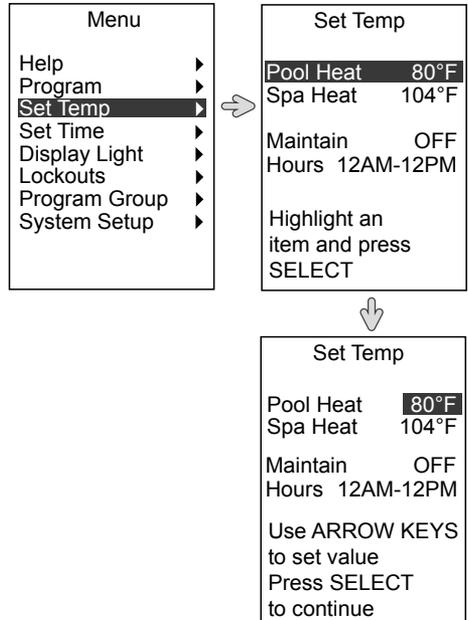


4.4.2 SET TEMP

MENU/HELP

Select to set and maintain pool and spa temperatures

- Default pool temperature is 80° F.
- Default spa temperature is 102° F.
- Default TEMP1 temperature is 80° F.
- Default TEMP2 temperature is 60° F.
- **MAINTAIN**: The system will periodically activate the pump, sample water temperature, and operate the heater to maintain the preset temperature. Heater must be enabled for this feature to run effectively. See Section “3.5.3 MAINTAIN TEMP” for setting temperature sampling intervals
- Dual Equipment models will maintain more than one body of water.

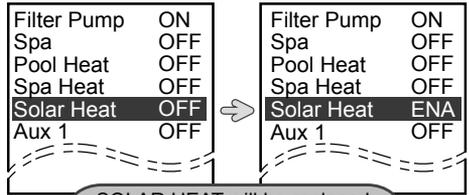


4.4.3 SOLAR HEAT

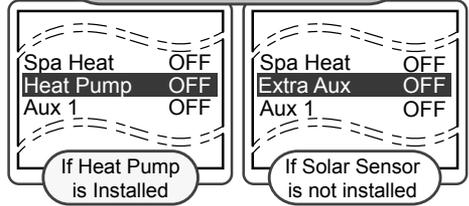
EQUIPMENT ON/OFF

Select to enable or turn off the solar heat equipment. An optional solar heating system and solar sensor are required for Solar Heat operation.

- If a heat pump is properly connected HEAT PUMP will display in place of SOLAR HEAT.
- If a solar sensor is not installed, EXTRA AUX will display in place of SOLAR HEAT.
- Solar Heat must be enabled and filter pump must be ON.



SOLAR HEAT will be replaced depending on installed equipment



If Heat Pump is Installed

If Solar Sensor is not installed

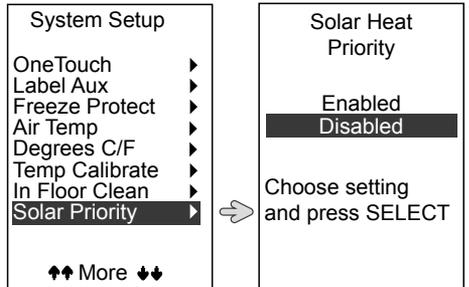
- Solar temperature must be at least 5°F above the water temperature and the water must be cooler than the thermostat setting

4.4.4 SOLAR PRIORITY

MENU/HELP SYSTEM SETUP

Select to set the system to primarily use solar priority.

- If Solar Heat becomes unavailable, the system will automatically switch to an alternate heat source.
- When solar and heater are enabled, solar will heat the water until either the thermostat temperature is reached or solar heat is no longer available.
- If solar panel is not hot enough, solar heat will shut off and other heat source (normally gas heater) will take over to bring the temperature up to the thermostat setting.



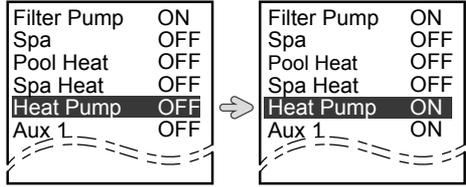
- SOLAR PRIORITY or HEAT PUMP PRIORITY may display on the SYSTEM SETUP menu depending on the DIP Switch S2-1 and the presence of a solar or heat pump sensor.
- Both SOLAR PRIORITY and HEAT PUMP PRIORITY cannot be displayed on the SYSTEM SETUP menu at the same time.

4.4.5 HEAT PUMP

EQUIPMENT ON/OFF

HEAT PUMP will display instead of SOLAR HEAT/EXTRA AUX when installed correctly. Select to turn heat pump on and off.

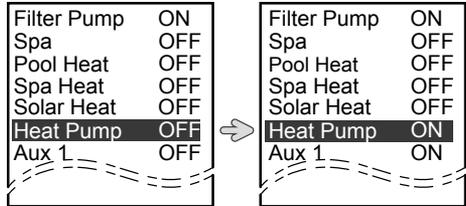
- Filter pump must be on, heat pump must be in “Heat Mode” and the heat pump switch must also be set to “Heat Mode”.



- Set the DIP Switch S2-1 to ON and connect the heat pump temperature sensor to the solar sensor input to operate a heat pump.
- Uses heater temperature set point.

4.4.5.(A) HEAT PUMP - RS485

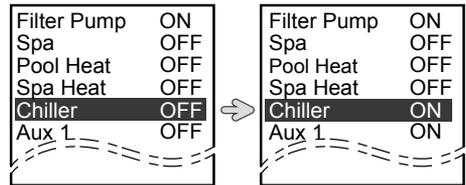
- Set the DIP Switch S2-1 to OFF and connect the solar sensor to the solar sensor input to operate a heat pump and solar.
- Set the DIP Switch S2-1 to ON and connect the heat pump temperature sensor to the solar sensor input to operate a heat pump without solar heat control.



4.4.6 CHILLER

EQUIPMENT ON/OFF

CHILLER will display instead of SOLAR HEAT/EXTRA AUX when installed correctly. Select to turn Chiller on and off.



 **NOTE:** It is not possible to operate a combination of SOLAR HEAT, HEAT PUMP/CHILLER and/or EXTRA AUX simultaneously without RS485 control. With RS485 Control, SOLAR HEAT and HEAT PUMP/CHILLER functions can be maintained and operated simultaneously

- Filter pump must be on, heat pump must be enabled in “Chiller Mode” and the heat pump switch must also be set to “Chiller Mode”.
- Set the DIP Switch S2-1 to ON and connect the heat pump temperature sensor to the solar sensor input to operate the chiller mode of the heat pump.
- Uses chilling temperature set point.
- CHILLER will display as long as the water temperature is greater than the chilling temperature set point. Otherwise HEAT PUMP is displayed.
- Chiller set point is always 5°F higher than heater set point.

4.4.6.(A) CHILLER - RS485

- Set the DIP Switch S2-1 to OFF and connect the solar sensor to the solar sensor input to operate the chiller mode of the heat pump and solar.
- Set the DIP Switch S2-1 to ON and connect the heat pump temperature sensor to the solar sensor input to operate a chiller mode of the heat pump without solar heat control.

Filter Pump	ON
Spa	OFF
Pool Heat	OFF
Spa Heat	OFF
Solar Heat	OFF
Chiller	OFF
Aux 1	OFF



Filter Pump	ON
Spa	OFF
Pool Heat	OFF
Spa Heat	OFF
Solar Heat	OFF
Chiller	ON
Aux 1	ON

IMPORTANT

You must manually change the setting at your heat pump from Heat to Chiller.

4.4.7 SOLAR PRIORITY/HEAT PUMP PRIORITY

MENU/HELP SYSTEM SETUP SOLAR PRIORITY

Select to set the system to primarily use solar heat.

- If solar heat becomes unavailable, the system will automatically switch to an alternate heat source.
- When solar and heater are enabled, solar will heat the water until either the thermostat temperature is reached or solar heat is no longer available.
- If solar panel is not hot enough, solar heat will shut off and other heat source (normally gas heater) will take over to bring the temperature up to the thermostat setting.

System Setup	
OneTouch	▶
Label Aux	▶
Freeze Protect	▶
Air Temp	▶
Degrees C/F	▶
Temp Calibrate	▶
In Floor Clean	▶
Solar Priority	▶
⬆ More ⬇	



Solar Heat Priority	
Enabled	
Disabled	
Choose setting and press SELECT	

- SOLAR PRIORITY or HEAT PUMP PRIORITY may display on the SYSTEM SETUP menu depending on the DIP Switch S2-1 and the presence of a solar or heat pump sensor.
- Both SOLAR PRIORITY and HEAT PUMP PRIORITY cannot be displayed on the SYSTEM SETUP menu at the same time.

4.4.8 TEMP 1 & TEMP 2 (POOL OR SPA ONLY)

EQUIPMENT ON/OFF

Select TEMP 1 to set the system's priority temperature.

- TEMP 1 must be higher than TEMP 2, and must be set first.
- When TEMP 1 is enabled, it will override TEMP 2.

Filter Pump	ON
Temp 1	OFF
Temp 2	OFF
Solar Heat	OFF

Filter Pump	ON
Temp 1	OFF
Temp 2	OFF
Solar Heat	OFF

Temp 1
must be set
higher than
Temp 2

press ANY key
to continue.

Select Temp 2 to set the system's maintenance (low) temperature.

- If Temp 2 is ON and Temp 1 is activated, Temp 2 will turn OFF and ENABLED will flash.
- Temp 2 reactivates when Temp 1 turns OFF.

Temp 1
Enabled
Set To 80°F

Temp 2
Enabled
Set To 80°F

Filter Pump	ON
Temp 1	ON
Temp 2	ON
Solar Heat	OFF
Aux 1	OFF
Aux 2	OFF
Aux 3	OFF
Aux 4	OFF
Aux 5	OFF
Aux 6	OFF
Aux 7	OFF
All Off	

4.5 LIGHTING

4.5.1 LIGHT COLORS (POOL LIGHT/SPA LIGHT)

EQUIPMENT ON/OFF

Select to set and turn on the color of a pool or spa color light.

- Selecting a different color when the light is already ON will cause the system to cycle from Alpine White to the selected color.
- The last color chosen will be the default when turning on a pool or spa light manually through the OneTouch control panel or a program.
- Press the Back key to accept the last selected light color. After 15 seconds without pressing any keys, the most recently selected light color will be accepted again.

Filter Pump	OFF
Spa	OFF
Solar Heat	OFF
Pool Light	OFF
Aux 2	OFF

Filter Pump	OFF
Spa	OFF
Solar Heat	OFF
Pool Light	ON
Aux 2	OFF

Pool Light
Will Turn Off
In 5 Seconds. If
You Want To
Change The
Color Press
Select Now.

Set Color
Alpine White
Sky Blue
Cobalt Blue
Caribbean Blu
Color Splash

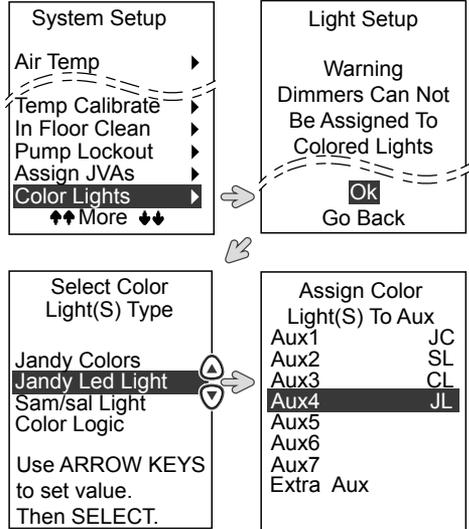
Please
Wait . . .
Cycling To
Chosen
Color

4.5.2 SET COLOR LIGHTS

MENU/HELP SYSTEM SETUP

Select to choose a product and assign it to an auxiliary relay. Upon selection the abbreviation shown below will be assigned to the auxiliary relay:

- JC - Jandy® Colors light
- JL - Jandy LED light
- SL - Sam™ / SAL®² light
- CL - Color Logic®³ light
- IB - IntelliBrite® light



IMPORTANT

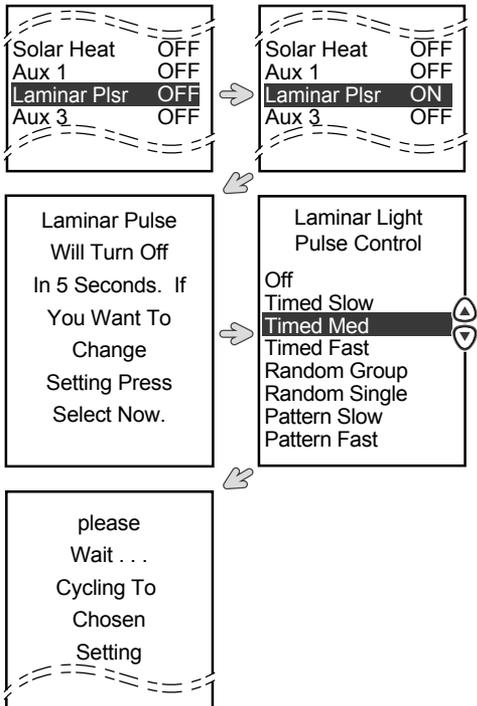
Do not activate this feature unless you are certain that color lights are installed in your system.

4.5.3 LAMINAR LIGHT PULSE CONTROL (LAMINAR PLSR)

EQUIPMENT ON/OFF

Select to set the pulse rate of the laminar jets.

- Laminar Pulse Control must be labeled to an auxiliary prior to operating this feature. See Section “4.5.4 Set Laminar Pulse” for more details.
- Press the Back key to accept the most recently selected pulse control. After 15 seconds without pressing any keys, the most recently selected LPC4 function will be accepted again.



IMPORTANT

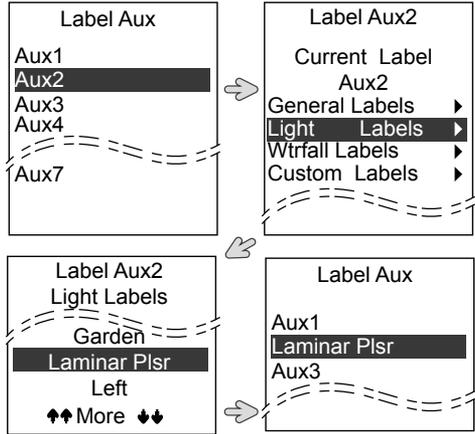
Do not activate this feature unless you are certain that a Laminar Pulse Control (LPC4) is installed in your system.

4.5.4 SET LAMINAR PULSE

MENU/HELP SYSTEM SETUP LABEL AUX

Select to assign a Laminar Light to an auxiliary relay.

- Laminar Pulse Control must be labeled to an auxiliary prior to operating this feature. See Section “4.3.5.(a) Label Aux”, for more details.

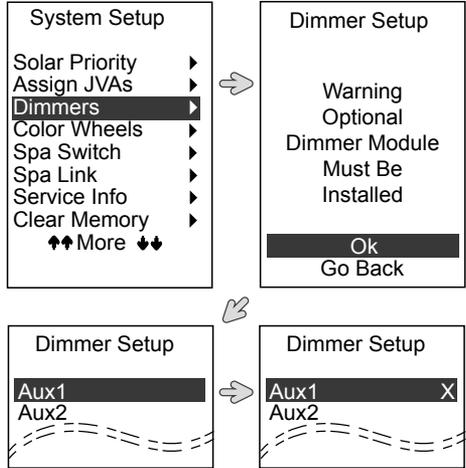


4.5.5 DIMMERS

MENU/HELP SYSTEM SETUP

Select to assign auxiliary buttons to control a dimmable switch.

- An optional Light Dimming relay must be installed and only 120 VAC lighting (or suitable transformer-driven lights) can be dimmed.
- An “X” will show next to selected auxiliaries. Select all items connected to light dimming modules. Press BACK when done.

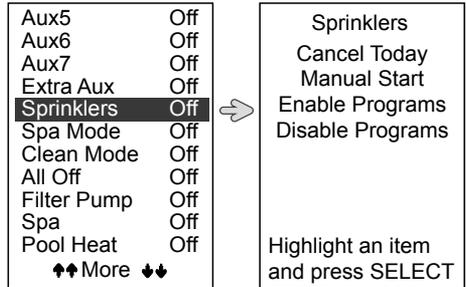


4.6 SPRINKLER SYSTEM (SPRINKLERS)

EQUIPMENT ON/OFF

Select to access the SPRINKLERS sub menu.

- Set up start and run time programming via Sprinklers Setup menu in the System Setup menu. See Section “4.6.5 Programming Sprinkler System” for more details.



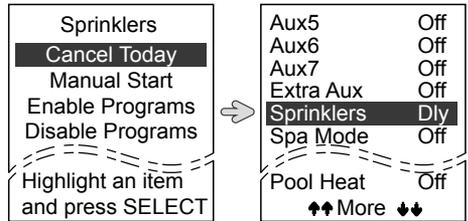
- Access program or manual control via SPRINKLERS menu in the EQUIPMENT ON/OFF menu.
- SPRINKLERS will not appear in the EQUIPMENT ON/OFF menu if no sprinkler program is ON.
- Cancel currently running program by selecting CANCEL TODAY, MANUAL START, or DISABLE PROGRAMS.
- Selecting ENABLE PROGRAMS will not cancel currently running program prior to new program start.

- There are three (3) Sprinkler system states:
- **OFF:** Sprinklers are disabled until it is re-enabled. No programs will run regardless of ON or OFF state.
- **ENA:** Sprinklers are enabled and any program set to ON with an active start time will initiate.
- **DLY:** Sprinklers are disabled for 24 hours from the time DLY was selected. After 24 hours, sprinklers will return to ENA state.

4.6.1 CANCEL TODAY

EQUIPMENT ON/OFF SPRINKLERS

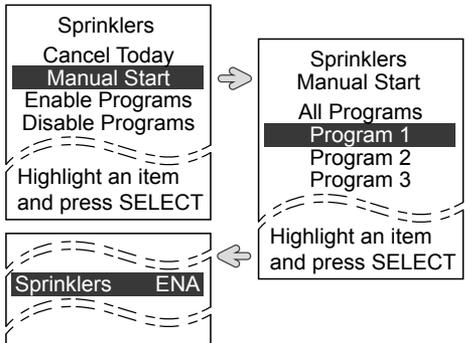
Select to set a 24 hour delay of the sprinkler system. This feature may also be used to quickly turn off all sprinkler valves.



4.6.2 MANUAL START

EQUIPMENT ON/OFF SPRINKLERS

Select to manually start any sprinkler program or select ALL PROGRAMS to run each program in sequence.

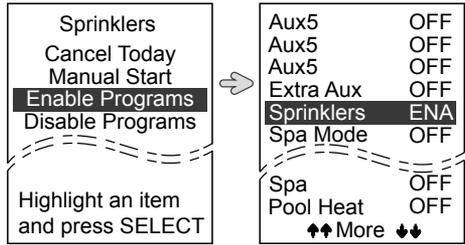


- Program must be set to ON to appear on MANUAL START list.
- Selected program will start immediately and run to completion unless interrupted by user.
- SPRINKLERS will display ENA once manually started programs are completed.

4.6.3 ENABLE PROGRAMS

EQUIPMENT ON/OFF SPRINKLERS

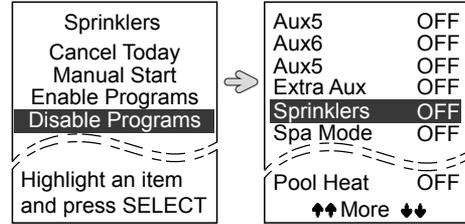
Sprinkler programs must be enabled for programs to run automatically at their start time.



4.6.4 DISABLE PROGRAMS

EQUIPMENT ON/OFF SPRINKLERS

When disabled, all running programs are canceled and no programs will run regardless of their individual ON/OFF setting.

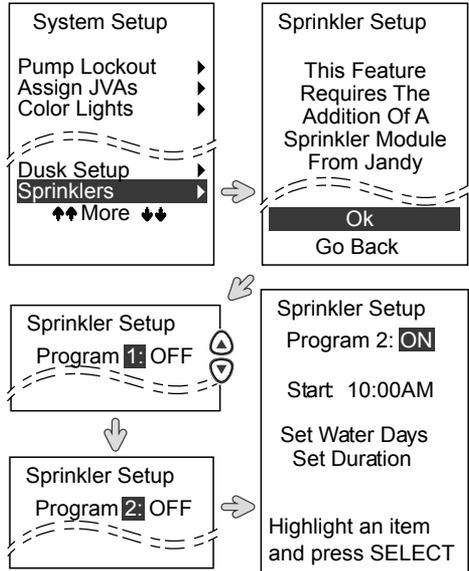


4.6.5 PROGRAMMING SPRINKLER SYSTEM

MENU/HELP SYSTEM SETUP

Select to set the operation of the sprinkler system to be used from the OneTouch.

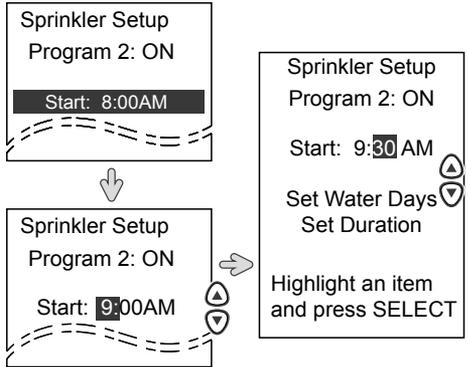
- Sprinkler start and run time programming are accessed via the SYSTEM SETUP menu.
- Other sprinkler features are accessed via the EQUIPMENT ON/OFF menu.
- Up to three (3) programs can be scheduled with different run days, start times, and durations.



4.6.5.(A) SET PROGRAM START TIME

MENU/HELP SYSTEM SETUP SPRINKLERS

Select to set the time for a specified sprinkler program to begin.

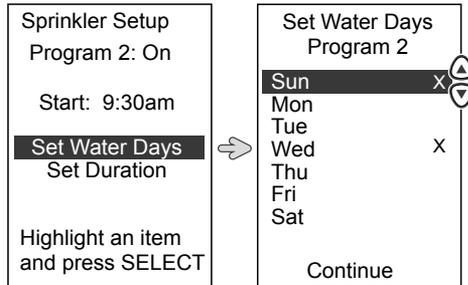


4.6.5.(B) SET WATER DAYS

MENU/HELP SYSTEM SETUP SPRINKLERS

Select to set the days for a specified sprinkler program to run.

- An “X” will appear next to each enabled water day.

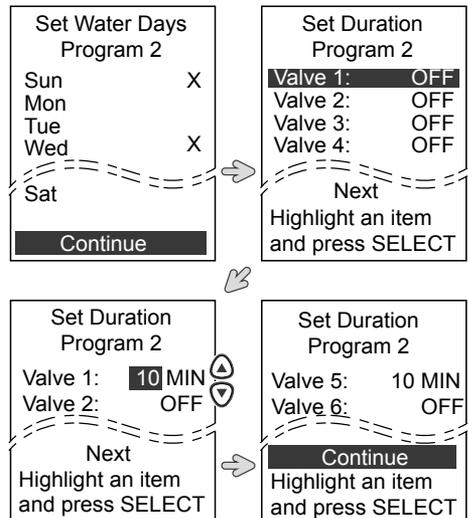


4.6.5.(C) SET VALVE DURATION

MENU/HELP SYSTEM SETUP SPRINKLERS

Select to set the duration for a specified valve to run during the specified program.

- Sprinkler control valve controls up to eight (8) valves.
- When a program is run, the master valve always activates 1-2 seconds prior to the first valve in the program.
- Valves are activated in numerical order for the set duration time.
- There is a 1-2 second delay between valve activations.

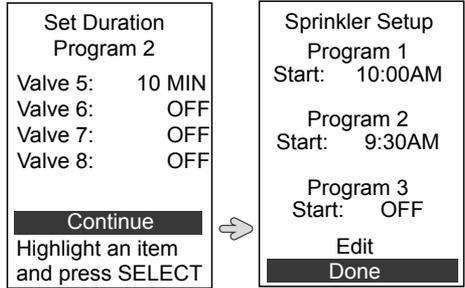


- Valve durations are adjustable from OFF to 240 minutes, in increments of 1 minute to 240 minutes, or in increments of 10 minutes from 10 to 60 minutes, or in increments of 30 minutes from 60 to 240 minutes.
- If the end time of an enabled program overlaps with the start time of a second enabled program, the second program delays until the first program is complete. The master valve will remain activated between programs.

4.6.5.(D) COMPLETING/CONTINUING SPRINKLER PROGRAMMING

MENU/HELP SYSTEM SETUP SPRINKLERS

- A Summary screen appears after pressing CONTINUE with start times of each program for review.
- Press EDIT to continue programming, and press DONE to return to the SPRINKLER SETUP screen.

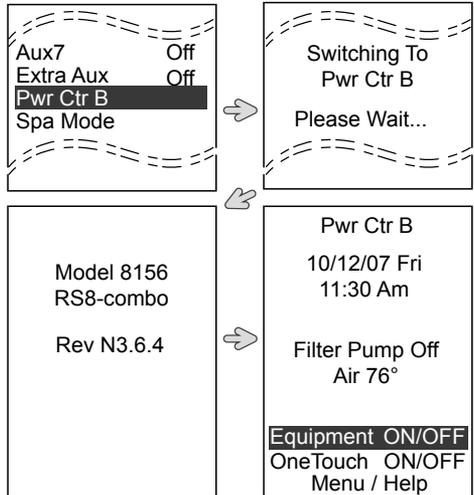


4.7 CONTROLS

4.7.1 RS INTERLINK (PWR CTR B)

EQUIPMENT ON/OFF

RS Interlink is used to set a single controller's access to two (2) Power Centers on the AquaLink RS system. Select PWR CTR B to access second power center controls.

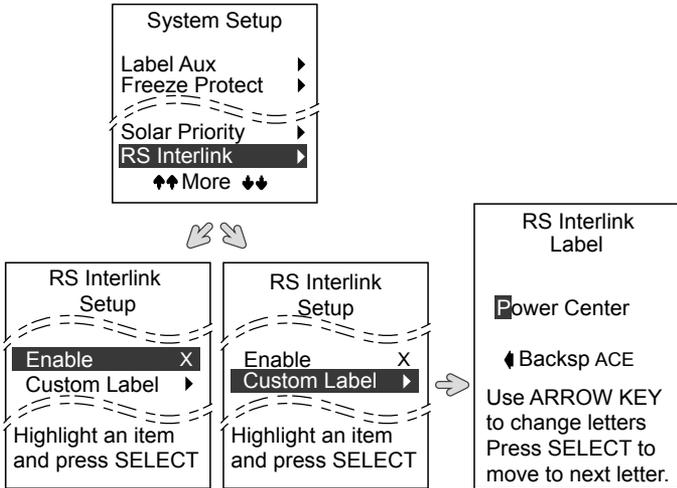


4.7.1.(A) RS INTERLINK® SETUP

MENU/HELP SYSTEM SETUP

Select to set up single controller access for two (2) power centers on the AquaLink RS system.

- Custom product name for each controller will assist in easy identification while using the controller.
- Any custom name provided will appear on the Main System Menu screen.
- RS InterLink feature must be enabled before it can be accessed from the EQUIPMENT ON/OFF menu.

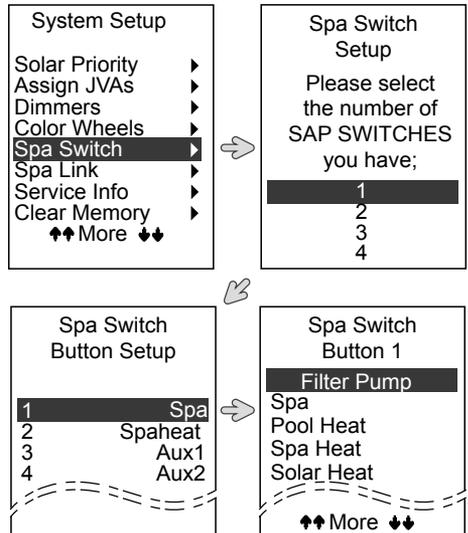


4.7.2 SPA SIDE SWITCH

MENU/HELP SYSTEM SETUP

Select to set the equipment operated by the buttons on the spa side switch.

- Default settings are SPA, SPA HEAT, AUX 1, and AUX 2.
- After completing one equipment assignment, the previous menu will appear to continue the process.
- A label pack is provided to label the buttons on the switch.

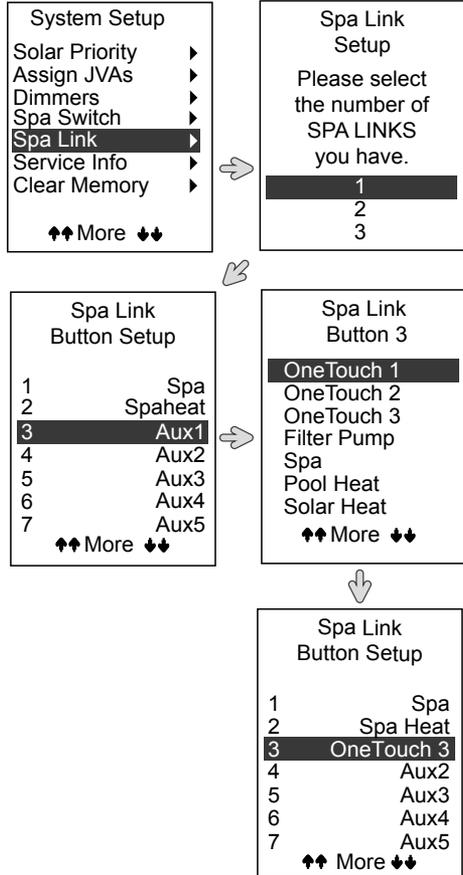


4.7.3 SPALINK®

MENU/HELP SYSTEM SETUP

Select to set the equipment operated by the buttons on the SpaLink.

- Default settings are Spa, Spa Heat, AUX 1, AUX 2, AUX 3, AUX 4, and AUX 5.
- Assign a OneTouch macro setting to any button on the Spa Link remote.
- After completing one equipment assignment, the previous menu will appear to continue the process.
- A label pack is provided to label the buttons on the switch.

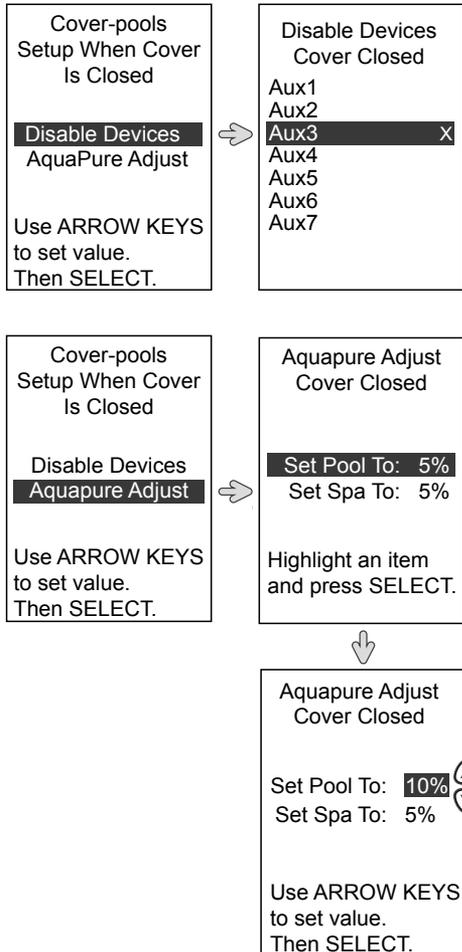


4.7.4 COVER-POOLS®

MENU/HELP SYSTEM SETUP

Select to set the options for your Cover-Pools equipment.

- Though the Cover-Pools interface will operate with any AquaLink RS control panel, including the iAquaLink™, it can only be set up using the OneTouch control panel.
- **DISABLE DEVICES** turns specified equipment off while pool is covered.
- **AQUAPURE ADJUST** will set the AquaPure output for both pool and spa while the pool is covered.



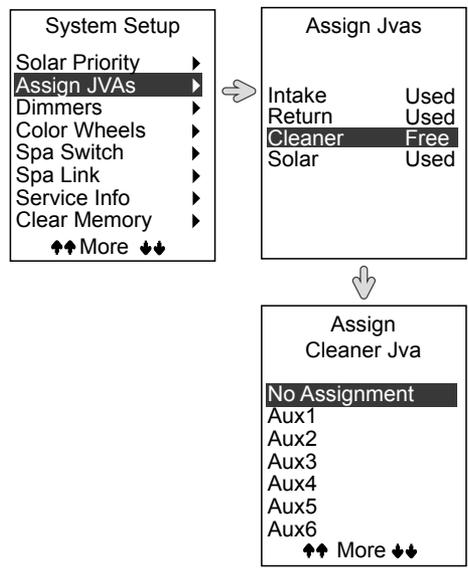
4.8 JANDY® VALVE ACTUATORS

4.8.1 ASSIGN JVAs

MENU/HELP SYSTEM SETUP

Select to assign Jandy Valve Actuators (JVAs) to any auxiliary button.

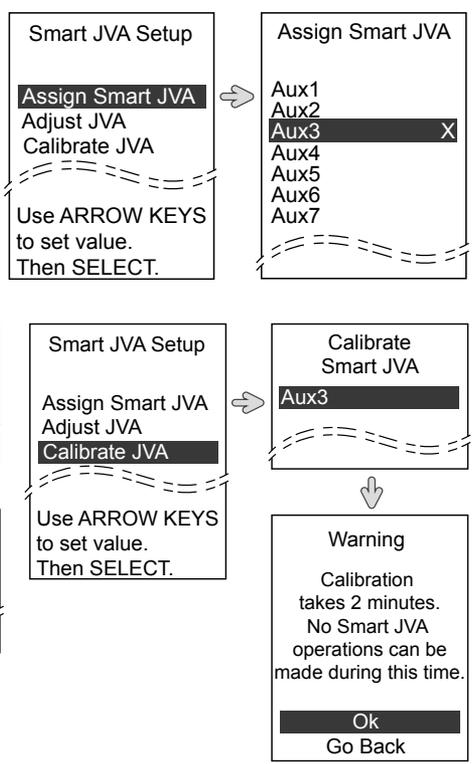
- On pool/spa combinations, two (2) extra JVAs can be assigned to auxiliary buttons: Cleaner JVA and Solar JVA.
- On pool/spa only models, four (4) JVAs can be assigned to auxiliary buttons. These JVAs must be set for this feature to operate properly.
- Multiple JVAs can be assigned to one auxiliary button without extra hardware.



4.8.2 SMART JVA

MENU/HELP SYSTEM SETUP SMART JVA

The Smart JVA module will operate with any AquaLink RS control panel with Rev R or newer firmware, including iAquaLink™, but can only be set up from the OneTouch control panel.



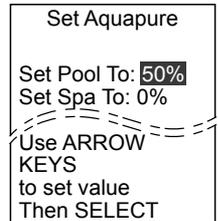
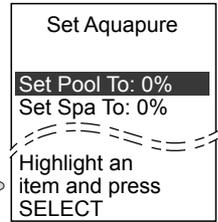
4.9 AQUAPURE®

4.9.1 SET AQUAPURE

MENU/HELP

Select to set chlorine output percentage from the AquaPure chlorine generation system to both the pool and spa.

- AquaPure systems communicate directly with the AquaLink® RS, AquaLink PDA and AquaLink Z4.
- Displays % of chlorine output.
- Allows for two (pool and spa) set points for chlorine production when interfaced with AquaPure or PureLink™.
- Menu is only active when an AquaPure system is connected to the AquaLink RS.

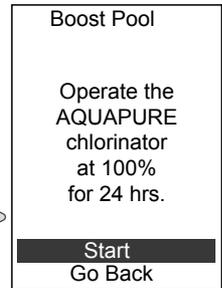


4.9.2 BOOST POOL

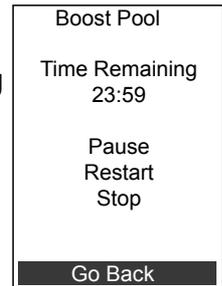
MENU/HELP

Select to activate the Boost Pool feature that operates the AquaPure chlorine generator in Pool Mode at 100% output for 24 hours.

- BOOST POOL mode overrides all programs, ALL OFF settings, as well as the manual operation of the filter pump.
- Boost is not available in Spa mode.



If boost is already running



WARNING

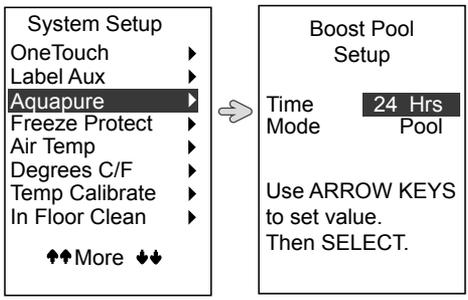
The AquaLink RS is compatible with only Jandy AquaPure, Jandy PureLink, and Clromatic branded Electronic Chlorine Generators. Connecting other brands of Electronic Chlorine Generators to the AquaLink RS system will disable the Electronic Chlorine Generator and cause the AquaLink RS to function improperly.

4.9.2.(A) BOOST POOL SETUP

MENU/HELP SYSTEM SETUP

Select to adjust the number of hours or mode of the Boost Pool.

- The MODE selection is only available if the Power Center Bezel DIP Switch 3 (Spillover Mode) is turned ON. If OFF, only TIME is displayed.
- System auto-detects the AquaPure Chlorine Generator.



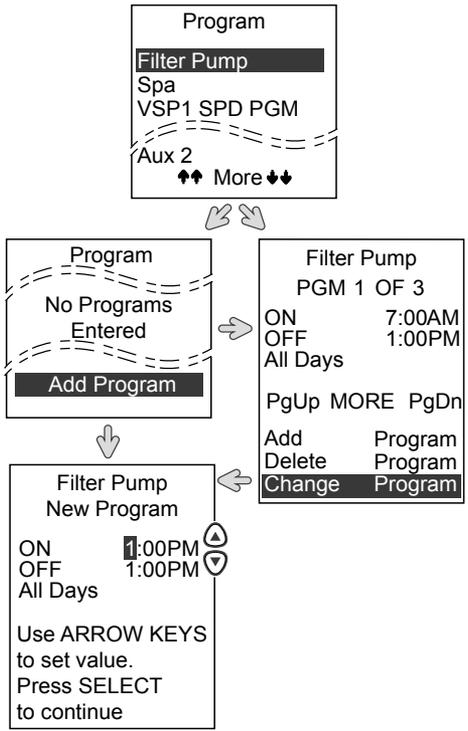
SECTION 5. PROGRAMMING

5.1 SET UP AUTOMATIC ON & OFF TIMES (All Equipment)

MENU/HELP PROGRAM

Select to set the ON and OFF times for any piece of equipment controlled by the AquaLink RS.

- Programs can be set for all days, weekends, weekdays, or specific days of the week.
- Each piece of equipment can be programmed for multiple on/off times each day.
- Programs can be added, deleted, or changed as needed.
- Program must be displayed when deleting or changing.

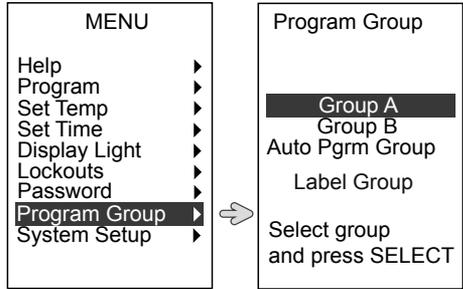


5.2 PROGRAM GROUPS

MENU/HELP

Select or create specific settings that will change seasonally or when the user is away.

- Stores on and off times for equipment in each group.
- Switches between GROUP A or GROUP B.
- GROUP A is the default.
- GROUP A and GROUP B will not appear unless PROGRAM GROUP is selected.
- Confirm the correct group is selected before programming equipment.

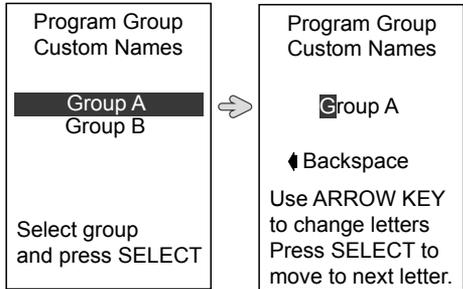


5.2.1 CUSTOM LABELING

MENU/HELP PROGRAM GROUP

Select to set custom names in the Program Group.

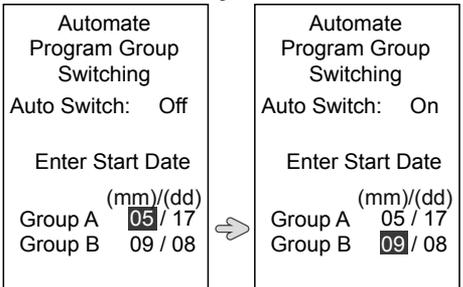
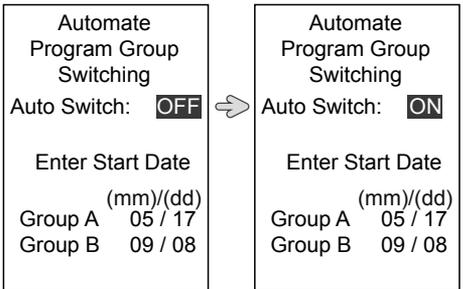
- Any name can be entered by using the up and down keys to change letters.
- Pressing Select will move to the next letter.
- Choose BACKSPACE to go back to the previous letter to correct.



5.2.2 AUTO SWITCHING

MENU/HELP PROGRAM GROUP

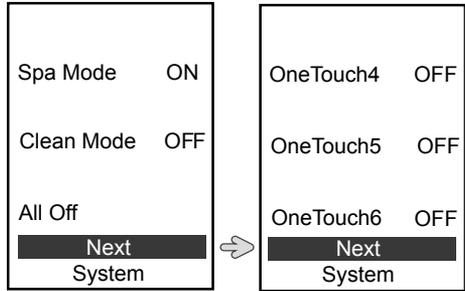
Select to automate the switching of the operation of GROUP A or GROUP B on specific dates.



5.3 ONETOUCH

ONETOUCH ON/OFF

Select to access up to six (6) mood/scene settings that will run multiple devices and heat to preset water temperatures with a single button.

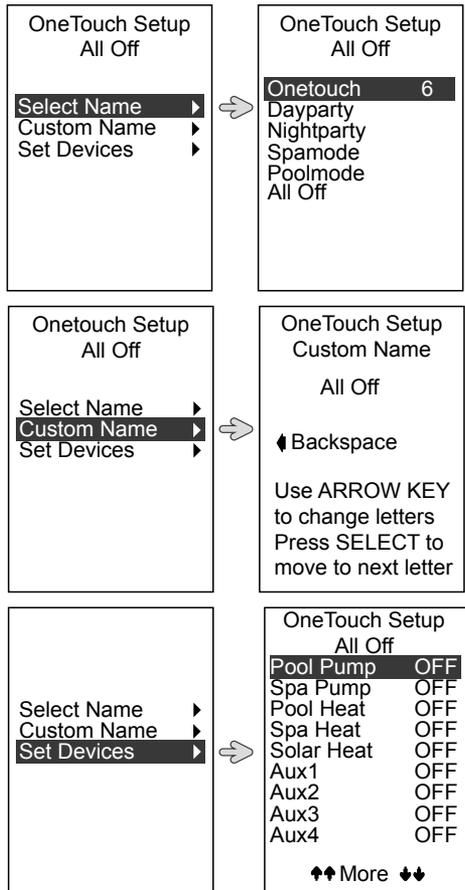


5.3.1 ONETOUCH SETUP

MENU/HELP SYSTEM SETUP

Select to customize the configurations of six (6) ONETOUCH mood/scene options/button.

- Choose from a list of available names (SELECT NAME) or enter a CUSTOM NAME.
- Select specific devices for each mood/scene option/button.
- Each mood setting allows for an independent thermostat setting.
- OneTouch setting can also be assigned to any SpaLink button.
- The blank space, used between words, is located between the “Z” and “0” characters.



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SECTION 6. GLOSSARIES

6.1 SAFETY DELAYS AND LOCKOUTS

Cleaner Lockout The pool cleaner will only activate if the system is in pool mode (i.e., water circulating to pool). The pool cleaner requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

Disabled When activated does not allow the function to work.

Enabled When activated allows the function to work.

Heater Cool Down Delay When the system is heating (water is circulating to the spa) and the Spa button is pressed, the system will remain in Spa Mode for five minutes, and will continue to circulate the water. This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

Heater Start-up The heater will only come on if the water is circulating (e.g., filter pump is on and has been circulating for 15 seconds) to the corresponding body of water (e.g., spa for spa heater) and the actual water temperature is below the temperature you set with Temp Set in the Menu. If these conditions are not met, the heater will be enabled (ready to go), but will not fire. When the heater is enabled, the LED below the DOWN button on the OneTouch Control Panel will be green. When it is firing, the LED will turn red.

Heater “Short Cycling” Prevention When the heater is activated and the desired temperature is reached, heater will turn off and remain off for 3 minutes, even if the temperature falls below the desired temperature. This feature prevents heater short cycling (i.e., heater turning off and on in rapid succession).

Lockouts Any device can be locked out. This will prevent the locked out device from being turned on manually. However, the device will turn on/off when it is being controlled by a program.

Pool/Spa Switching Filter Pump Delay The filter pump turns off while valves rotate between pool and spa to prevent damage to the pool equipment. The valves take 35 seconds to rotate between pool and spa; the filter pump will activate as soon as the valves have finished turning.

Spillover Lockout The spillover will only activate if the system is in pool mode (i.e., water circulating to pool). The spillover requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the waterfall. Also, if the pool cleaner is on, it will turn off during spillover operation.

Spillover When DIP Switch S1-3 is in the ON position, the Aux. 3 relay socket is activated and the return valve actuator turns. The spillover is disabled while the spa is on. A message is displayed when spillover is turned on while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

6.2 SPECIAL AUXILIARY LABELS

Air Blower When an AUX button labeled “Air Blower” is pressed, it will turn on the air blower for 30 minutes, then automatically turn it off. An air blower may be programmed like any other auxiliary, except that you can program only the ON time. The air blower will turn on at the programmed ON time, and turn off 30 minutes later. This is to protect the blower motor from overheating during extended operation. To change the ON time from the default value of 30 minutes, refer to the DEVICE RUNTIME feature.

Extra AUX System features (for example, light dimming, software labeling, and timed aux) can be assigned to the extra AUX button. Only freeze protection cannot be assigned to the extra auxiliary.

Fill Line When an AUX button labeled “Fill Line” is pressed, it will turn on the fill line for 30 minutes, and then automatically turn it off. A fill line may be programmed like any other auxiliary, except that you can program only the ON time. The fill line will turn on at the programmed ON time, and turn off 30 minutes later. This is to avoid overfilling the pool. Choose the appropriate number of “fill” programs during the week to keep your pool at the appropriate level. To change the ON time from the default value of 30 minutes, refer to the DEVICE RUNTIME feature.

Spare AUX With DIP Switch S1-6 turned OFF, the spare auxiliary socket is energized in “Pool Mode” and off in “Spa Mode”. With DIP Switch ON, the spare Auxiliary socket is energized in the “Spa Mode” and off in the “Pool Mode”. Operates only with Pool/Spa combination units.

6.3 CONTROLLER MESSAGES

CLEANER CANNOT BE TURNED ON WHILE SPA IS ON This message is displayed if the pool cleaner is activated when in spa mode (i.e., water is circulating to spa). The pool cleaner requires that water be circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

CLEANER CANNOT BE TURNED ON WHILE SPILLOVER IS ON The return valve has been rotated to the spa position to give the spa spillover effect.

FREEZE PROTECT This message indicates that freezing conditions have been detected by the freeze protection sensor, and that equipment assigned to freeze protection (e.g., filter pump) are active. See the Section “3.5.4 Freeze Protect”, for more information.

NOTE Only the filter pump is protected unless the optional freeze sensor is installed. If a freeze protected Auxiliary is turned off during freeze protection, a message will be displayed indicating that item is off but will turn on in X amount of minutes. The minutes will vary depending on how long freeze mode has been active from 1 to 15 minutes.

POOL HEATER ENABLED This message indicates that the pool heater is ready to use but is not actually firing. The filter pump must be on, and the water temperature must be below the setting for the heater to fire.

PUMP WILL REMAIN ON WHILE SPILLOVER IS ON This message is displayed when you attempt to turn off the filter pump while a spa spillover is on. Since the filter pump is necessary for spillover operation, the pump will remain on until the spillover is turned off.

PUMP WILL TURN OFF AFTER COOL DOWN CYCLE This message indicates that the filter pump is circulating water to cool down the heater. The filter pump will continue to run for five minutes to protect the heater from damage, whenever the heater has fired and has been off for less than five (5) minutes.

PUMP WILL TURN ON AFTER DELAY This message is displayed during pool/spa switching. The AquaLink RS waits 35 seconds while the valves turn from pool position to spa position (or vice-versa) before activating the filter pump.

SENSOR OPEN This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem. **NOTE** If the message reads Water TEMP Open, the heater will not fire. If message Air TEMP OPEN is displayed, freeze protection will not operate correctly.

SENSOR SHORT This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem. **NOTE** If the message reads WATER TEMP SHORT, the heater will not fire. If the message AIR TEMP SHORT is displayed, freeze protection will not operate correctly.

SERVICE MODE This message indicates that the Controller has been locked out from the power center and is not operational. Service mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional until the switch at the Power Center is moved back to AUTO mode.

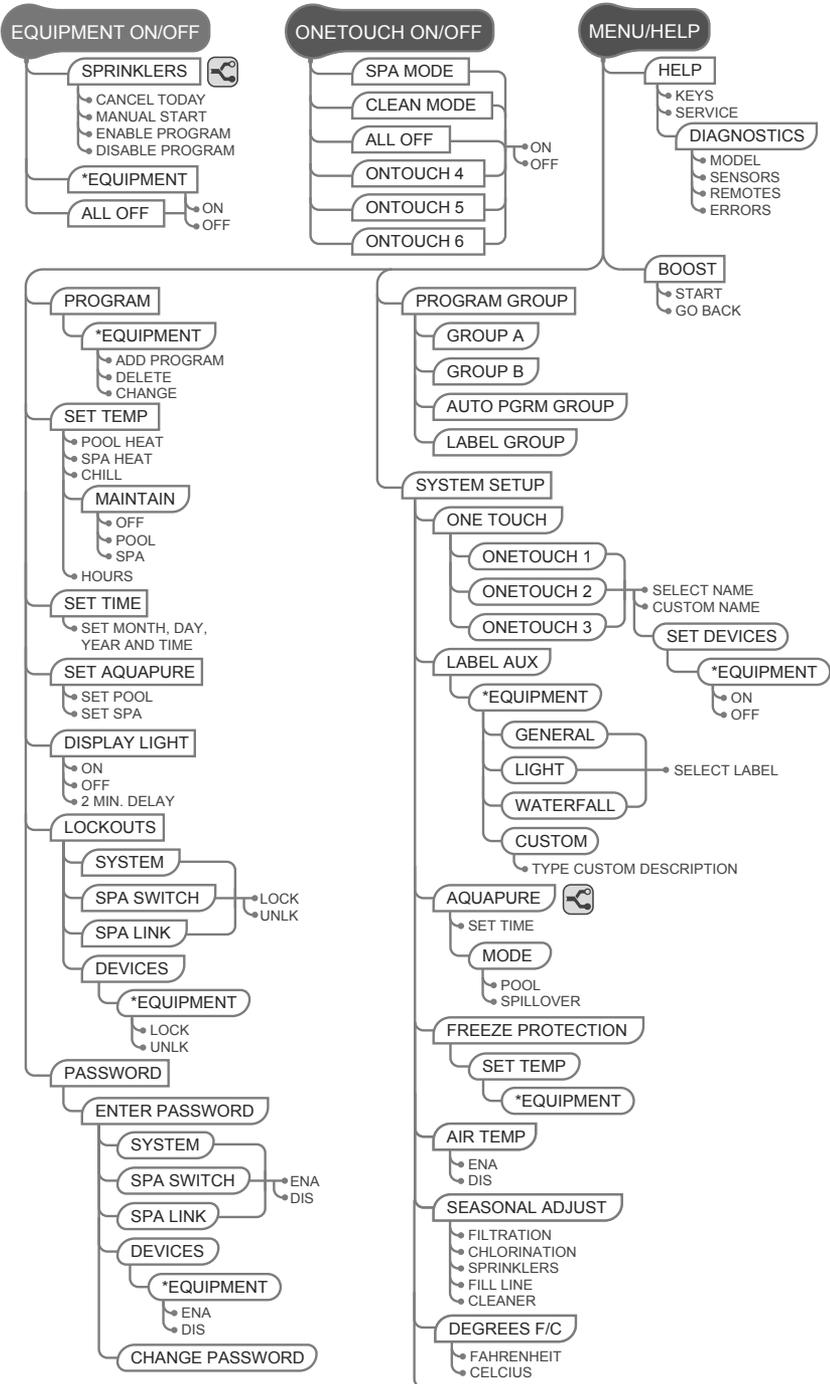
SPA WILL TURN OFF AFTER COOL DOWN CYCLE When the system is in Spa Mode (water is circulating to the spa) and the Spa button is pressed to switch water circulation to the pool, the system will not switch to Pool Mode for five minutes, and will continue to circulate the water (if the heater has fired and has been off for less than five minutes). This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

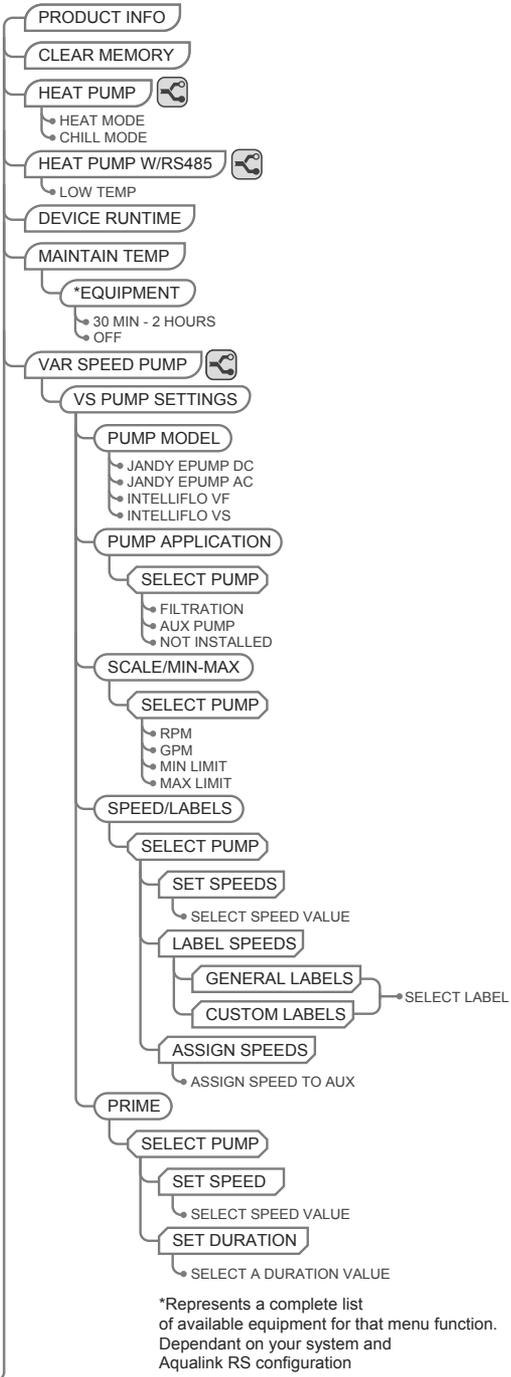
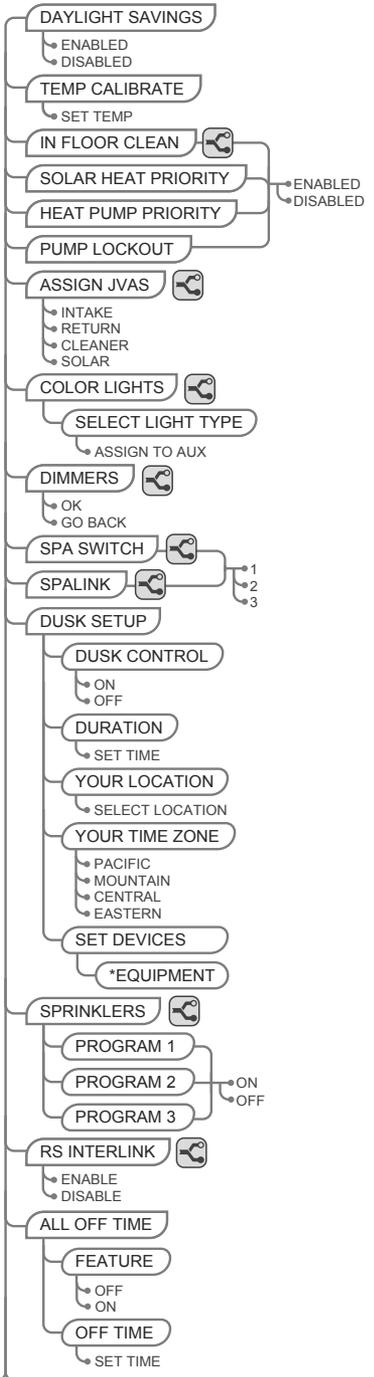
TIMED AUX ON, WILL TURN OFF AFTER 30 MINUTES This message indicates that a timed auxiliary (usually a blower) has been activated and will turn off after 30 minutes. Some labels (e.g., blower, fill line) have a built-in 30 minute shut off.

SPILLOVER DISABLED WHILE SPA IS ON This message is displayed when the spa spillover is pressed while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

TIMEOUT MODE This message indicates that the Controller has been locked out from the Power Center and is not operational. Time Out mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional for three hours, or until the switch at the Power Center is turned back to AUTO mode.

SECTION 7. ONETOUCH MENU TREE





*Represents a complete list of available equipment for that menu function. Dependant on your system and Aqualink RS configuration

NOTES

NOTES

EQUIPMENT INFORMATION RECORD

DATE OF INSTALLATION _____

INSTALLER INFORMATION _____

**INITIAL PRESSURE GAUGE READING
(WITH CLEAN FILTER)** _____

PUMP MODEL _____ **HORSEPOWER** _____

FILTER MODEL _____

CONTROL PANEL MODEL SERIAL NUMBER _____

NOTES: _____

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Zodiac Pool Systems Canada, Inc.

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Zodiac Pool Group ABN 87 002 641 695

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