



Smart Spa Remote Installation Guide

Alexa-Pentair Easytouch, Intellitouch and Compool

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1 Installing the Smart Spa Remote – Pentair Easytouch/Alexa circuit board

- Connect the Smart Spa Remote circuit board as shown below

To avoid damaging the Smart(Alexa) Spa Remote PCB from Static Electricity

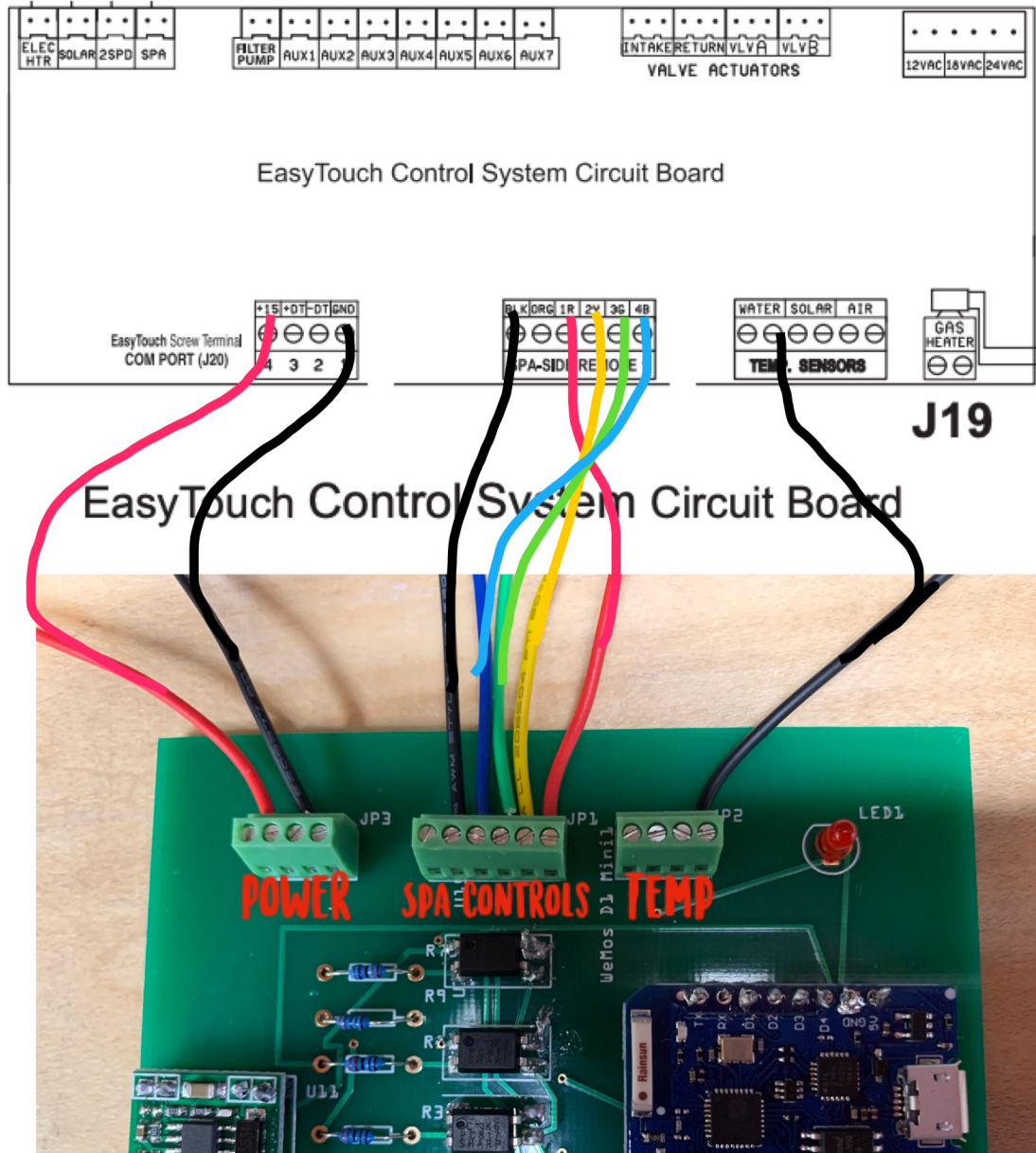
Steps:

- Please wear **shoes with rubber soles**
- **avoid dragging board**
- **hold board on green sections only**
- **avoid touching components**
- **LASTLY TURN THE PENTAIR EASYTOUCH OFF BY UNPLUGGING FROM POWER/BREAKER**
 - Connect the Spa control wires 1st
 - Connect the Temp Control and Pentair Easytouch Temp Sensor, see below, red to red and black to black, Then also connect the circuit board black to the temp sensor black screw.
 - Connect the Power as shown below, red led will light up with power connected to Pentair Easytouch.
 - Place circuit board in controller where you can extend the external antenna to the outside of the Pentair Easytouch Control Box, We recommend putting sticky tape on back of board and mounting to left inside of Pentair Easytouch metal enclosure so that antenna can extend out one of the bottom cut outs.
 - Connect the Smart Spa Remote PCB Temp Monitor wire to either pool or spa black depending on where you connect the temperature sensor to the Pentair Easytouch.

Wiring Diagram Figure Below

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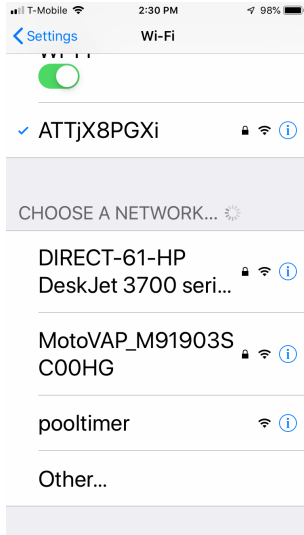
- [Smart Spa Remote Temp Sensor](#) Smart Board JP2 Black wire to Pentair Easytouch water white temperature connector.
- [Smart Spa Remote 5 Spa Controls](#) Smart Board JP1 wires to Pentair Easytouch Spa Side Remote Terminal, Black to Black, Red to 1R, Yellow to 2Y, Green to 3G, Blue to 4B
- [Smart Spa Remote Power wires](#) Smart Board JP3 to Pentair Easytouch Com Port, **Smart Spa Remote Red** wire to Com Port #4, **Smart Spa Remote Black Wire** to Com port #1.

2 Setting Up Smart Spa Remote

Once the Smart Spa Remote circuit board has been installed you will want to begin the software setup and configuration.

1. *Power on the Smart Spa Remote by plugging in the power as shown in figure 1 above. You should see a red light on the circuit board. Once the red power led is on you may proceed to configuring Alexa to discover the pool devices.*
2. *Configure the smart Spa Remote by using your smart phone. Confirm the smartphone has access to the home owner wifi by entering setup on your phone. If you don't see the homeowner wifi displayed when scanning for SSID's you will need the home owner to add a range extender inside the home near the Pentair Easytouch Pentair Easytouch or purchase a SMA wifi extension wire from amazon to get the antenna closer to your wifi signal.*
3. *The smart Spa Remote PCB once powered up will begin broadcasting as a hot spot with the name "pooltimer".*
4. *You will select **pooltimer** SSID from your phone.*

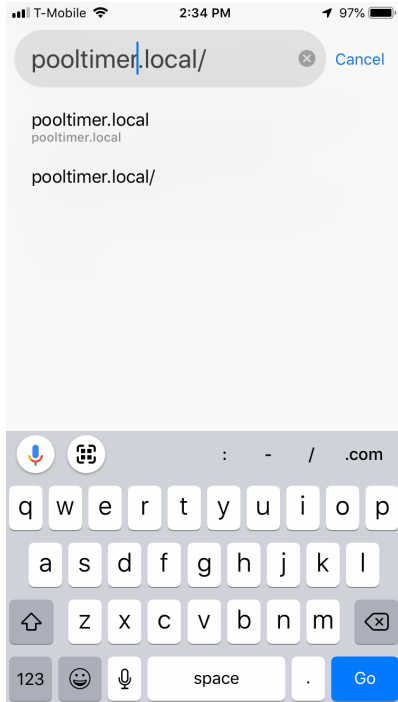
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Once initially selected the smart Spa Remote will try to connect over the internet so that it can communicate with Alexa and Smart Spa Remote as part of the registration process. Once you select the pooltimer SSID the phone should automatically launch a configuration screen from your default browser. If the browser does not appear you may begin the registration process by going to your favorite web browser like Chrome or Safari.

1. Enter **pooltimer.local/** into the browser where you would normally enter something like <http://www.test.com>

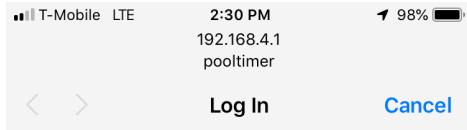
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2. Once you enter **pooltimer.local/** a screen will pop up that will allow you to enter the correct wifi SSID for the home where you have installed the smart Spa Remote. You will want to verify the SSID and password on your own phone 1st to insure the SSID is accessible from the location of the smart Spa Remote.

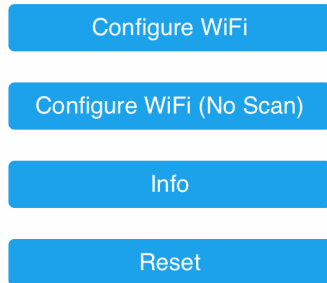
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See Below:



pooltimer

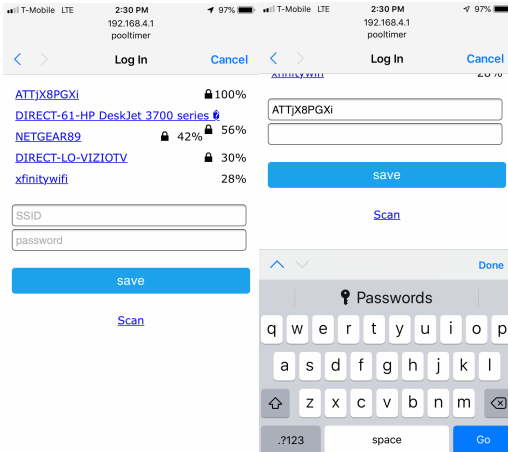
WiFiManager



1. Select Configure Wifi, this will cause the Smart Spa Remote to begin scanning for SSID's. It will show signal strength. If the SSID of the homeowner does not appear you do not have a strong enough signal to complete the install. You will need to have the home owner acquire a SSID signal enhancer inside the home near where you are installing the smart Spa Remote.

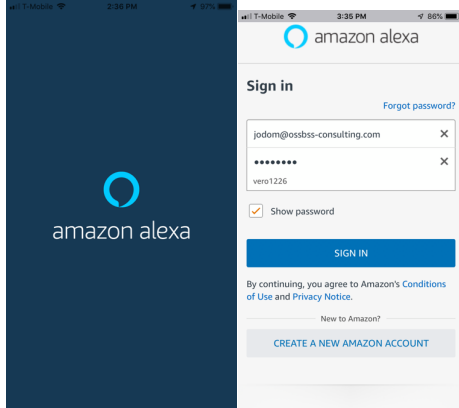
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2. When your SSID appears, you will select it. In this sample case it is ATTjX8PGX.

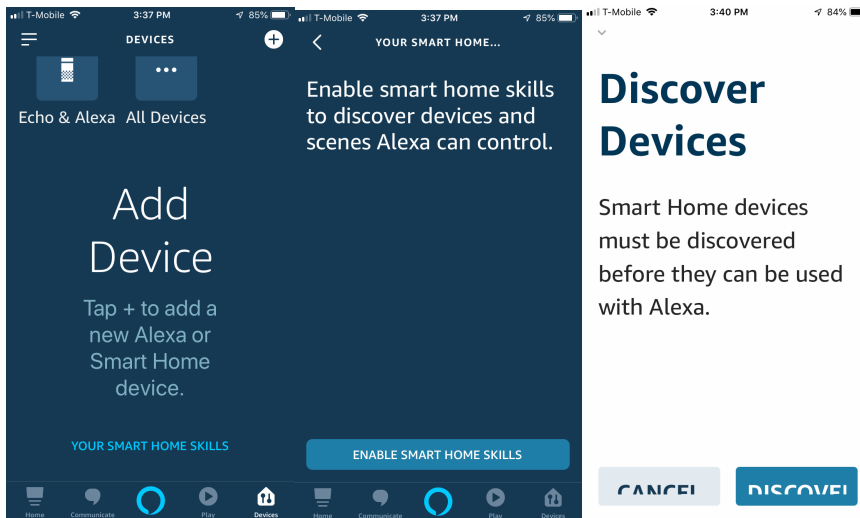


1. Once you select your SSID the screen automatically fills in the SSID with your selection. It will then tab to password where you will enter your SSID password and select the “SAVE” button.
2. This will allow the Smart Spa Remote to logon to the smart Spa Remote server and discover the devices you will now activate in the Amazon Alexa App. A **blue led** will light up on the smart spa circuit card when connected. If the Blue LED does not light up you will need to verify you entered the correct SSID and Password. Then once connected (blue led is on) you will need to download the **Amazon Alexa app** to your phone.
3. You will need to use your (homeowners) Amazon sign on to link the Amazon Alexa App to the Smart Spa Remote. If the homeowner doesn't have an amazon account, you will need to create a new “**amazon account**” see below:

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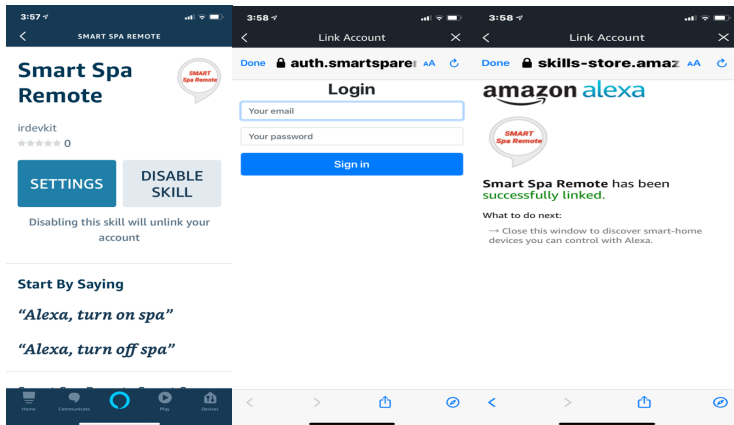
1. Once the account has been created, sign on to your amazon Alexa app. You will then see a screen to configure Alexa, see below". Before you can add devices, you need to add a Smart Skill, select enable smart home skills and search for "SMART SPA REMOTE". This will allow Alexa to discover the Smart Spa Remote devices.



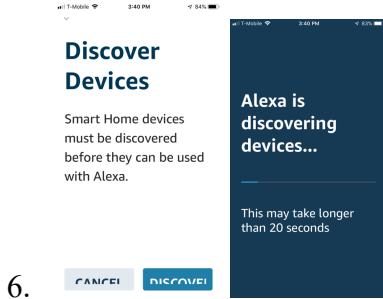
2. The Enable Screen will appear, select enable to use.

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3. Enter the email and password that comes with your Smart Spa Remote. Each Smart Spa Remote will have a unique email and password and will be taped on the Smart Spa Remote unit.
4. Enter login and you should then see the screen that Smart Spa Remote has been successfully linked.



5. Now that the Smart Spa Remote has been successfully linked to Alexa its time for Alexa to discover the Smart Spa Remote devices. Select Discover button. You will see Alexa discovering devices. You should see 5 devices discovered. 4 Spa/Pool Functions and 1 Pool/Spa Temperature sensor.



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3 Configuring Smart Spa Remote Discovered Devices:

3.1 How to Configure Alexa discovered devices

The Smart Spa Remote contains:

Discovered Devices (5)

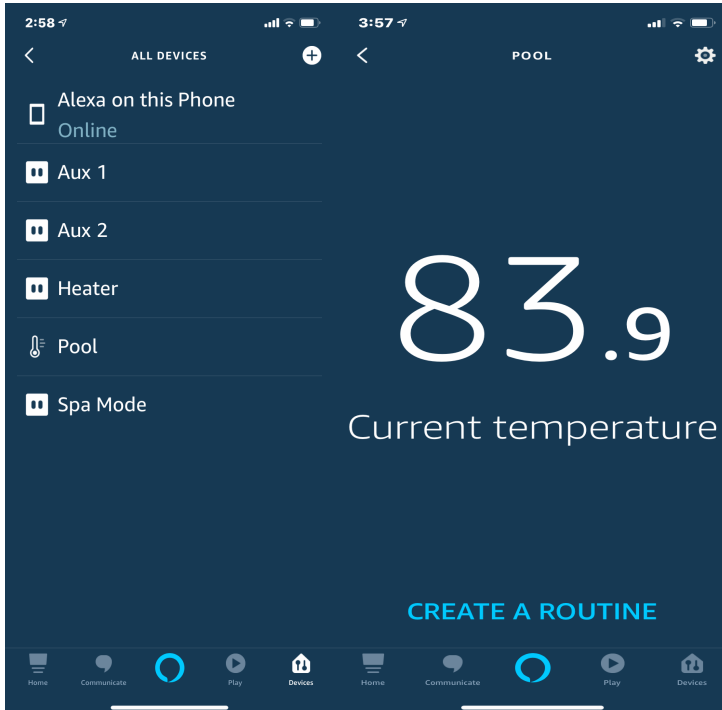
Relays #1-#4 plus Temperature Sensor

- 4 Button Spa Remote Functions(Smart Alexa Spa Remote) emulated
 - These functions can be configured for your requirements
 - Button 1 comes set for Spa/Pool mode
 - Button 2 is set for Heater
 - Button 3 is set for Aux 1
 - Button 4 is set for Aux 2
 - Temperature Sensor is set for Spa/Pool

- Remember you can change any of these names in the Alexa app, for the Temperature Sensor you can ask Alexa “ What is the Spa Temperature” so just use the name spa for the sensor and Alexa already knows it is a temperature sensor so that is what allows you to say Alexa “ What is the Spa Temperature?” , if you are monitoring the pool then change the sensor to Pool.

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SEE PICTURE BELOW



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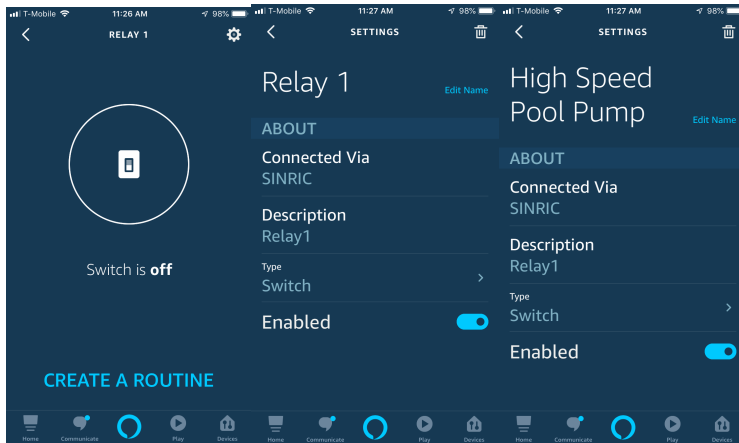
- 1 Pool Temperature Gauge
 - 2 wire connection for **Pentair Easytouch Water Temp Sensor with 20' Cable**
 - **This can be purchased with instructions on Amazon**



1. Configure the discovered devices to match your specific needs. **You may want to rename** Function 1 to Spa Mode and Function 2 as Spa Lights as examples to match how you have configured the Pentair Easytouch Spa Side Switch Settings.
2. See example screens below:

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- a. Select Spa Function 1, then select the round nut icon in the top right portion of the screen.
- b. Then Select Edit Name
- c. Then type in the name you wish to use “Spa Mode’
- d. Continue to do this for any discovered device for which you want to change the name

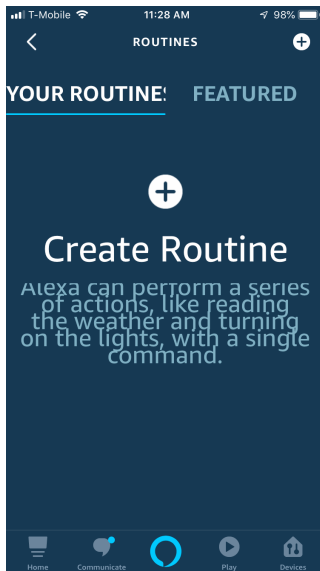


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3.2 Creating automated routines

1. Set Spa Lights

To set automated routines for the devices you will create a routine. This will allow you to set automated times for the pool equipment to come on and off. You may want the Spa Lights to come on at 3am and go off at 11am. Create a routine for that devices.



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3.3 Smart Spa Remote PCB emulates Pentair 4 button spa remote

Configuring the Pentair Easytouch for Spa Side Remote(Smart Spa Remote PCB) Settings Menu: iS4 Spa-Side Remote Controller

You can specify any iS4 Spa-Side remote button to control different functions by assigning each button to a specific circuit. For example, you can use the iS4 Spa-Side remote to activate the spa circulation, and for operating three auxiliary pieces of equipment (such as heat enabled, lights, jet pump, heat boost, air blower, waterfall, etc.).

Assign iS4

Before configuring the iS4 Spa-Side remote controller assign names to the circuits. Settings , Circuit Names, see table below.

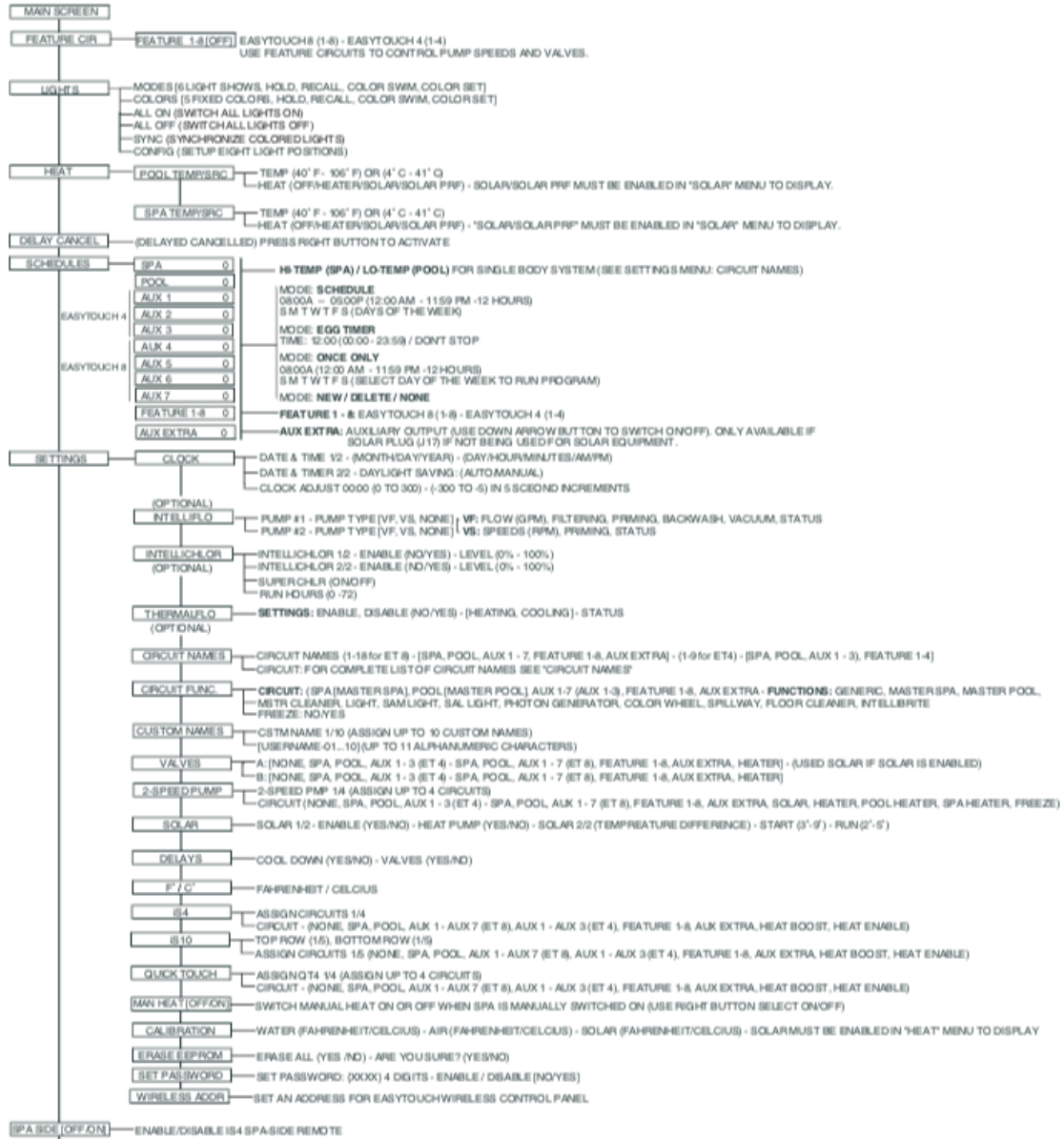
To assign iS4 Spa-Side buttons: Up/Down buttons: Select a circuit to one of the iS4 buttons. You can set up to four circuits (1/4, 2/4, 3/4, 4/4). Right button: Move to the circuit setting. Up/Down buttons: To configure the first button on the iS4 Spa-Side Remote, scroll through the circuit names and find the circuit that you would like to assign to the first button on the iS4. The generic circuits selections are: None, Spa, Pool, Aux 1-7, Feature 1-8 (EasyTouch 8), Aux 1-3, Feature 1-4 (EasyTouch 4), Aux Extra, Solar, Heat Boost and Heat Enable. Selecting “None” does not assign a circuit. “Aux Extra” is only available if the Solar output (J17) plug on the EasyTouch motherboard is not being used for solar equipment. Use the Solar button to switch the extra circuit on and off (see page 5). Note: The “Heat Boost” feature will switch on the heater for

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seven minutes to increase the spa water temperature. Each time the spa Heat Boost button is pressed, the temperature will increase about 1° F. The temperature will not go beyond the 104° F limit. Right button: Assign the next circuit (2/4). Up/Down buttons: Select the first digit for the circuit number (1/4, 2/4, 3/4, 4/4) and repeat the procedure for the other three buttons. Press the Menu button to save the settings and to return to the Settings menu options. Press the button again to return to the main menu options or press again to return to the main screen.

Spa Side [Off/On] Enable or disable the iS4 Spa Side remote. This feature is useful for families with young children or when you go on vacation. It allows you to switch off the iS4 Spa Side remote at the control panel so that the remote cannot be used. Spa Side To enable or disable the iS4 Spa Side remote: Right button: Select On or Off to enable or disable the spa side remote. Press the Menu button to save the settings and to return to the main screen.

EasyTouch Menus



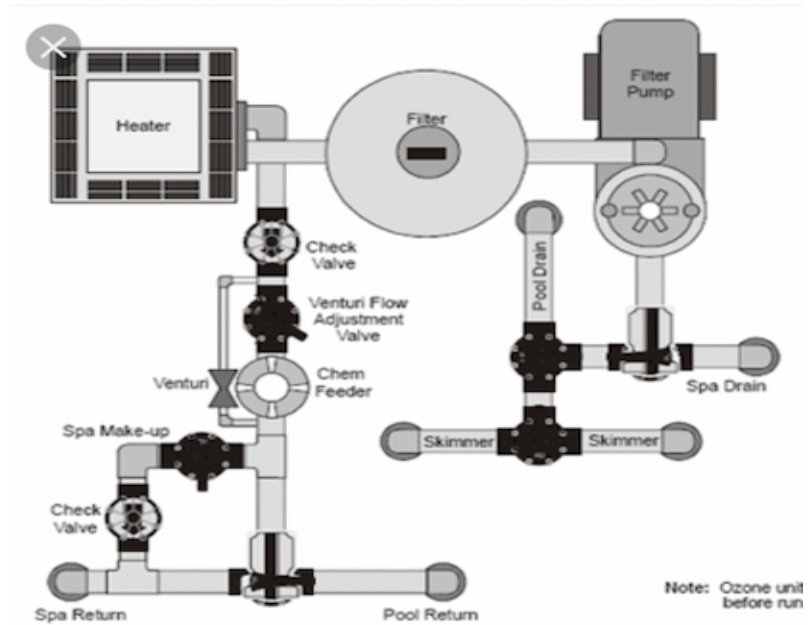
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Typical Pool Spa Configuration



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Example Picture of Compatible Pentair Easytouch controllers



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