



alpine**spas**[™]

ELECTRICAL PACK

Columbus - Splash





ELECTRICAL SETUP

This document will help you wire and install the Columbus - Splash Swim Spa. Please read this and install as recommended otherwise it will not operate correctly.

ANY ELECTRICAL WIRING WORK MUST BE PERFORMED BY A LICENSED ELECTRICIAN.



The Columbus - Splash uses the SpaNET SV Mini 2 Controller with a SpaNET SV2 Touchpad (labelled SV-Smart) in both the Spa and Swim zones.

By default, **only 15A is required to run either of these controllers in the Columbus - Splash and both are pre-wired with a 15A cable & plug.** However, you can alter the settings and hardwire a 25A feed to avoid load shed (disabling) of the heater when the pump is turned to high speed. **This means the minimum power requirements for the swim spa as a whole is 30A (15A+15A).**

AVAILABLE SETUPS

Columbus - Splash	Recommended	Minimum Setup	Maximum Setup
SV Mini 2 Controller (Spa zone)	15A	15A	25A*
SV Mini 2 Controller (Swim zone)	15A	15A	25A*

**25A requires you to disable the default load shed as per page 4.*

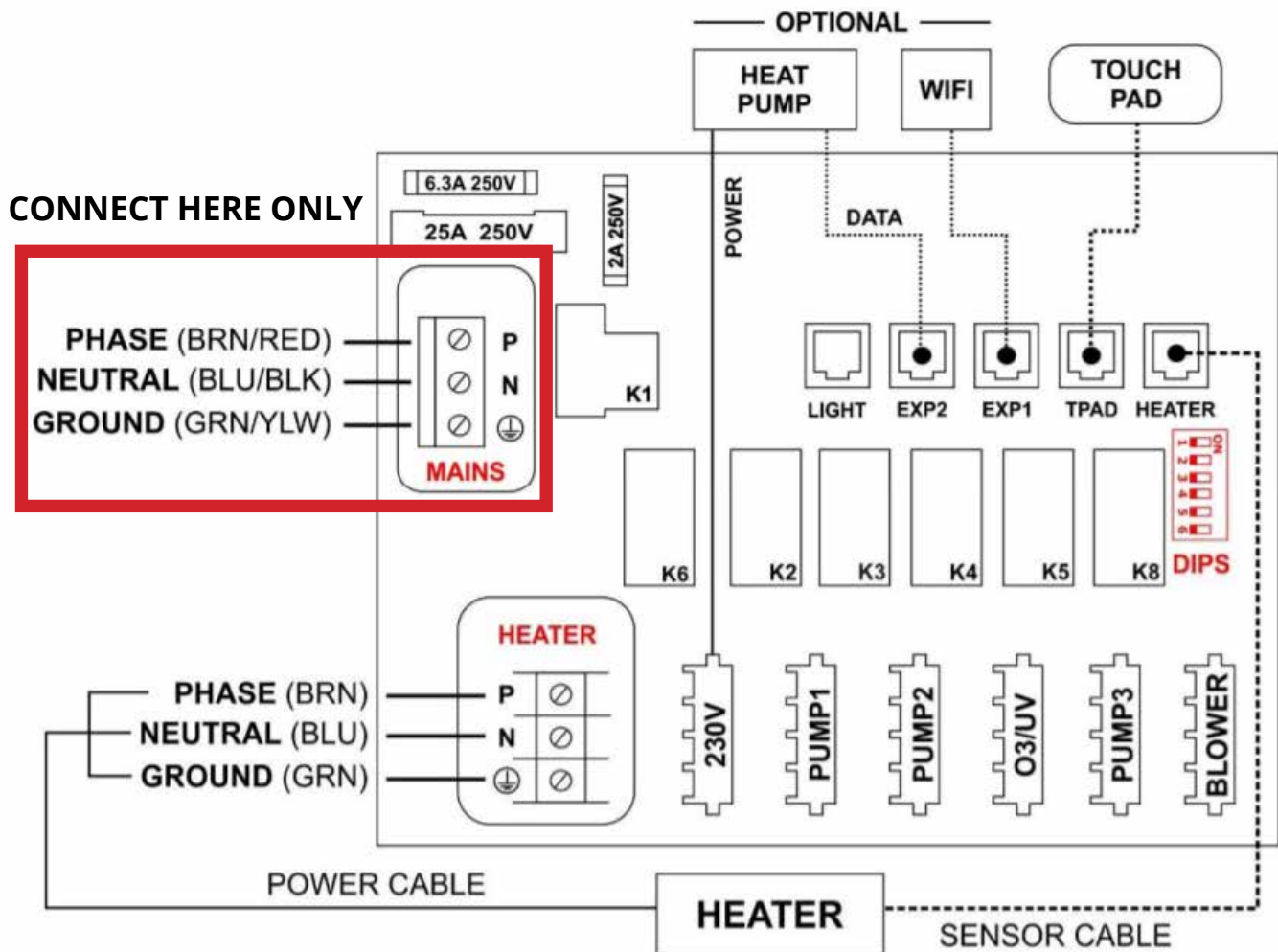
For 15A - No settings or dipswitches need to be adjusted for 15A. There is a 15A cable pre-wired so it just requires a 15A socket to plug into and the specific zone is ready to be powered on (after filling with water).

For 25A - Disconnect the pre-existing 15A cable and hardwire a 25A feed back to your mains with the appropriate safety devices and isolation switches (this is not provided). Make sure the specific zone is filled with water and turn on the power. Special load shed settings must be set via the topside control panel. See 'Touch Pad Settings' on page 4 to complete setup.



CONTROLLER WIRING DIAGRAM (SV MINI 2)

A 15A cable and plug is already wired to the controller. If you are using the 15A setup you do not need to do any wiring. If you are hardwiring a 25A feed, replace the cable with your own feed as per the diagram below. Do not alter the dip switch settings.





Before Powering On

Ensure that the Swim Spa is filled with water before turning on the power. If the Swim Spa still requires filling, you will need to power on and apply settings with the pump disconnected.

Swim Spa is Filled - Touch Pad & Startup



Once the Swim Spa is filled, turn on the power and locate the touch pad (seen below). If nothing shows on the display, just power off and back on again.

At first the system will go through a purge cycle which is automatic. This gives the pump a chance to expel any air left in the pipes.



Swim Spa is Empty

Powering on without water in the Swim Spa can damage the pump. To get around this, disconnect the pump from the controller, then power on.

The system will attempt to prime and will fail (because no pump detected). Once an error shows on the touch pad screen, demo mode must be accessed by pressing the left 'PUMP'  + 'LIGHT BUTTON'  quickly in succession (not together at once).

Note: See above panel image to locate buttons. Once in demo mode, settings below can be then be applied to the controller and will be saved for when Swim Spa is filled and powered.

Applying Load Shed 'L.SHD' Setting for 25A

To setup 25A, Load Shed must be set to the value of '2' - follow below instructions.

