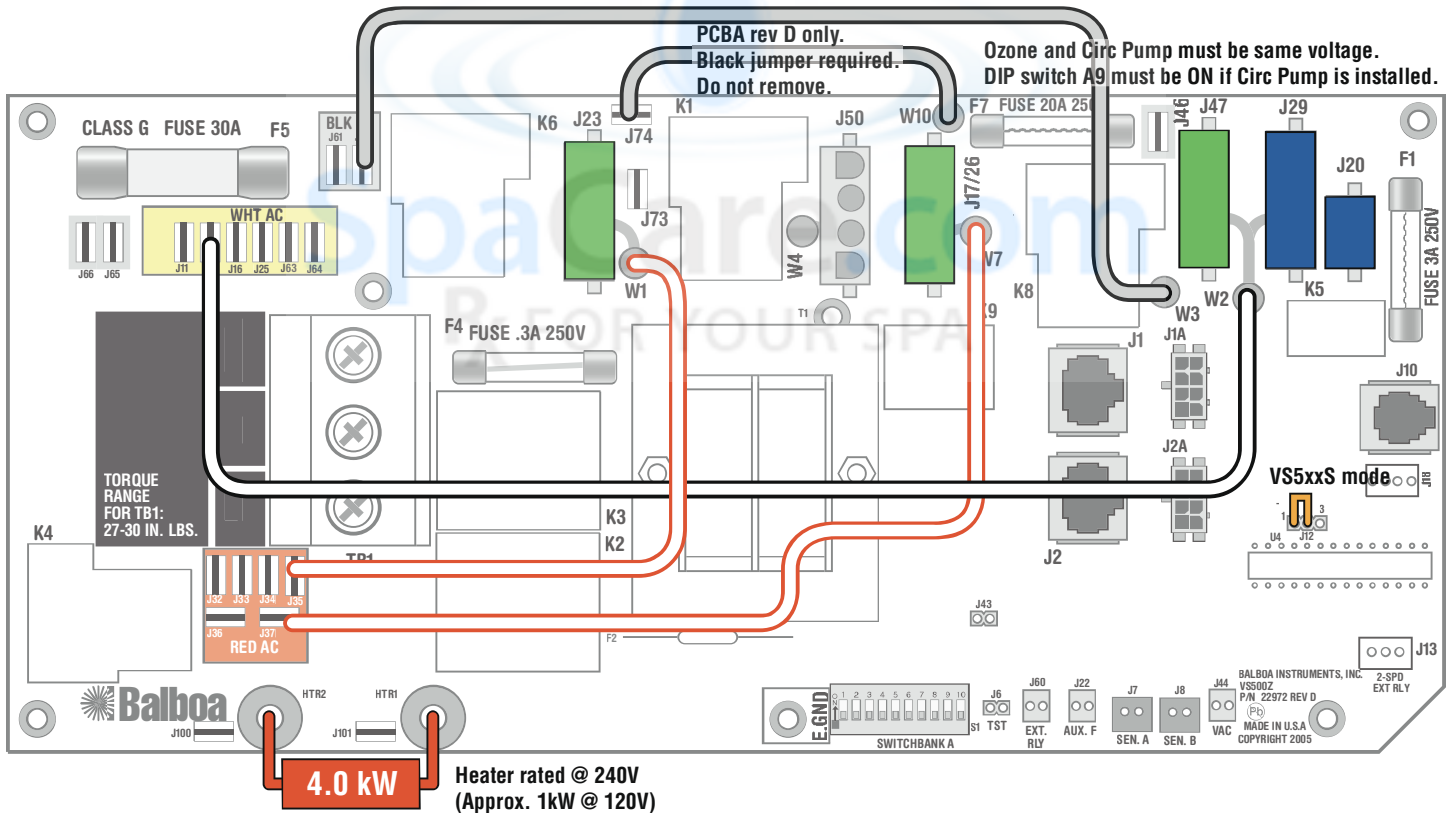


Wiring Configuration and DIP Settings

Setup 1 (As Manufactured)

- 240V Pump 1, 1-Speed
- 240V Pump 2, 1-Speed
- 120V Circ Pump
- 12V Spa Light
- 120V Ozone
- 240V 4.0kW Heater
- Long Serial Main Panel



WARNING: Main Power to system should be turned OFF BEFORE adjusting DIP switches.
WARNING: Persistent Memory (J43) must be RESET to allow new DIP switch settings to take effect. (See Persistent Memory page)

SSID #

60
64
24

Switchbank A

A1, Test Mode OFF	A6, 60 Hz
A2, Custom Long Panel	A7, J17/26 Enabled
A3, Blower, P1-H timeout 30m	A8, Degrees F
A4, Aux Freeze	A9, 24 Hour Circ Pump
A5, 1-speed P1 w/Circ	A10, High Amp mode

VS51x/VS5xxS/VS5xxD Compatible

J12

1 2 3

J43

Memory Reset

Wiring Color Key

- 120 Volt Connections
- 240 Volt Connections
- Black AC Jumpers
- 12 Volt Connections
- Relay Control Wires

Board Connector Key

- Typically Line voltage
- Typically Line voltage for 2-speed pumps
- Neutral (Common)
- Ground

Note flat sides in connector

DIP Switches and Jumpers Definitions

SSID 60 64 24

Base Model VS500SZ-VS501SZ-VS510SZ

DIP Switch Key

- A1 Test Mode (normally OFF)
- A2 "ON" position: Long Serial Standard panel (customer specific)
"OFF" position: Generic Balboa Serial Standard panel layout
- A3 "ON" position: Blower and Pump 1-high timeout is 15 minutes
"OFF" position: Blower and Pump 1-high timeout is 30 minutes
- A4 Aux Freeze (must be OFF)
- A5 Disabled when A9 is OFF
"ON" position: Two-speed pump 1
"OFF" position: One-speed pump 1 (A9 must be On and a Circ Pump installed)
- A6 "ON" position: 50Hz operation
"OFF" position: 60Hz operation
- A7 "ON" position: J17/26 equipment enabled *
"OFF" position: J17/26 equipment disabled
- A8 "ON" position: temperature is displayed in degrees Celsius
"OFF" position: temperature is displayed in degrees Fahrenheit
- A9 "ON" position: 24 Hour Circ Pump with 3°F shut off, Ozone runs with Circ Pump
"OFF" position: no Circ Pump, Ozone runs with Pump 1-low during filter cycles only
- A10 "ON" position: heater is disabled while any high-speed pump or blower is running (low amperage mode)
"OFF" position: heater can run while any/all high-speed pumps or blowers are running (high amperage mode)

Jumper Key

- J12** Jumper on Pin 1 and 2 will enable VS51x/V55xxS/V55xxD compatibility mode.
Jumper on Pin 2 and 3 will enable VS50x compatibility mode (Do not use with Standard or Deluxe Panels).
- J43** When jumper is placed on 2 pins during power-up, system will reset persistent memory.
Leave on 1 pin only to enable persistent memory feature.

WARNING:

- Setting DIP switches incorrectly may cause abnormal system behavior and/or damage to system components.
- Refer to Switchbank illustration on Wiring Configuration page for correct settings for this system.
- Contact Balboa if you require additional configuration pages added to this hot sheet.