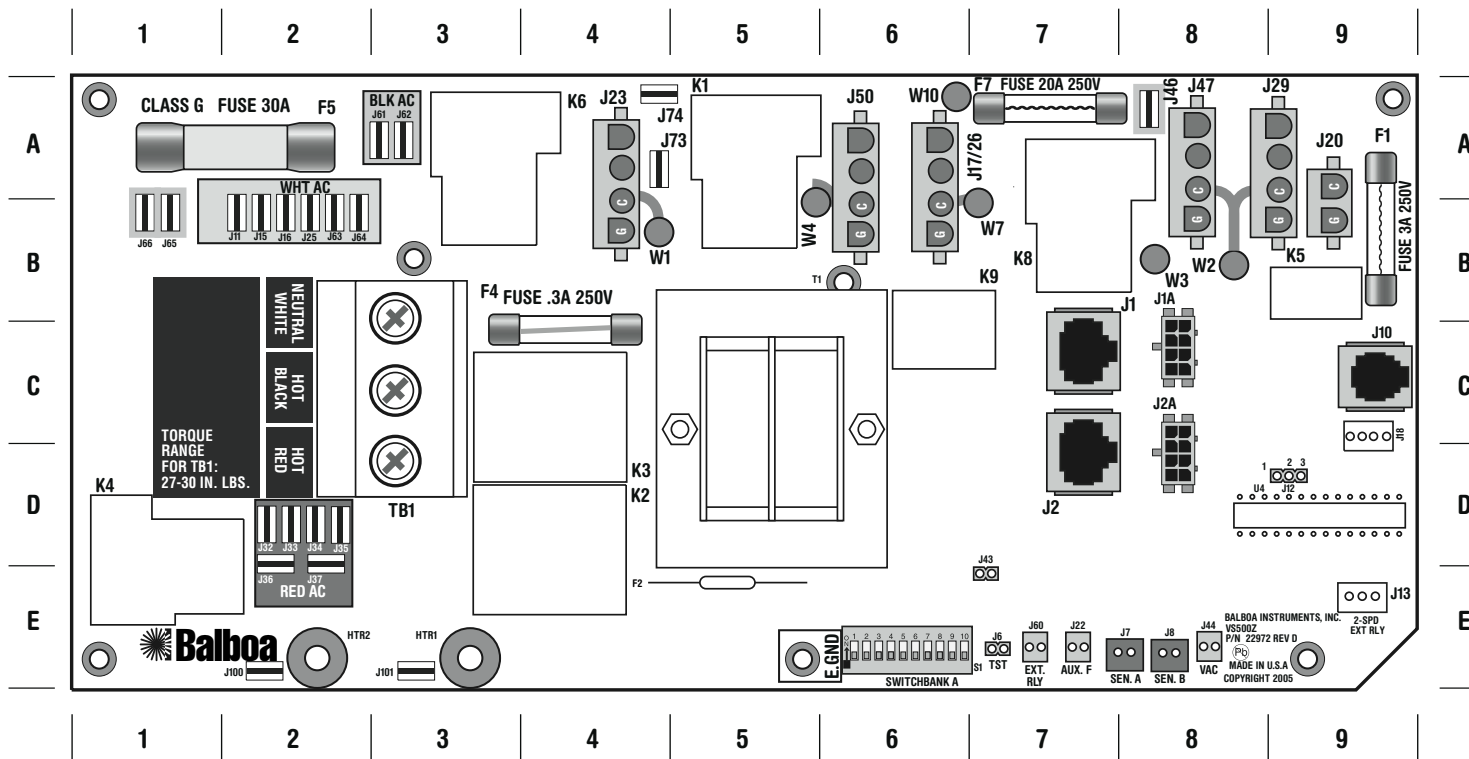


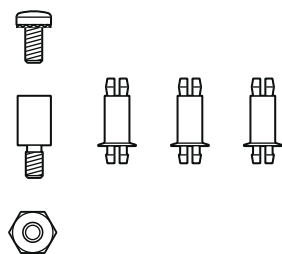
VS500Z Configuration Guide



Output Features	Quadrant
J23 + W1 - 2-Speed Pump 1	4-A
- OR 1-Speed Pump 1 with DIP Switch A5	
J50 + W4 - Audio Visual - always hot, no relay	6-A
J17/26 + W7 - 1-Speed Blower (W3 to J46)	6-B
- OR Single-Speed Pump 2 or Pump 3 (W3 to J62)	
J47 + W2 - Circ Pump	8-A
J29 + W2 - Ozone (Same voltage as Circ Pump, if used)	9-A
- Note X-03 option board for retro fit	
J20 - Spa Light (12V only)	9-A

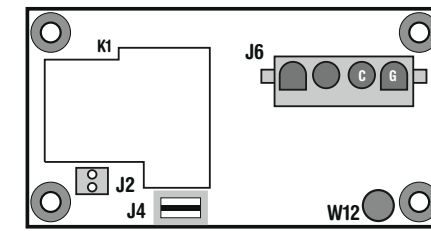
System can be factory configured for either a Duplex Topside Panel, a Serial Standard Panel, or a Serial Deluxe Panel.
 Note: Some panels styles are not available depending on system configuration. Consult your Balboa product representative for details.

120V Conversion Option - Add jumper from Red AC (J32) to White AC (J11) and set DIP switch A10 to ON.

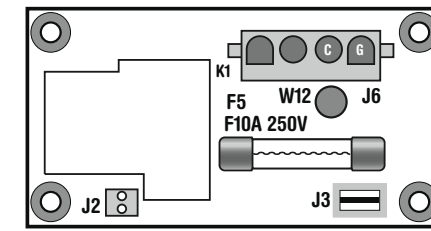


X-Mount P PN 53933
 Used for mounting any Expander Board in a plastic enclosure.
 Standoffs attach to heater mounting bracket.

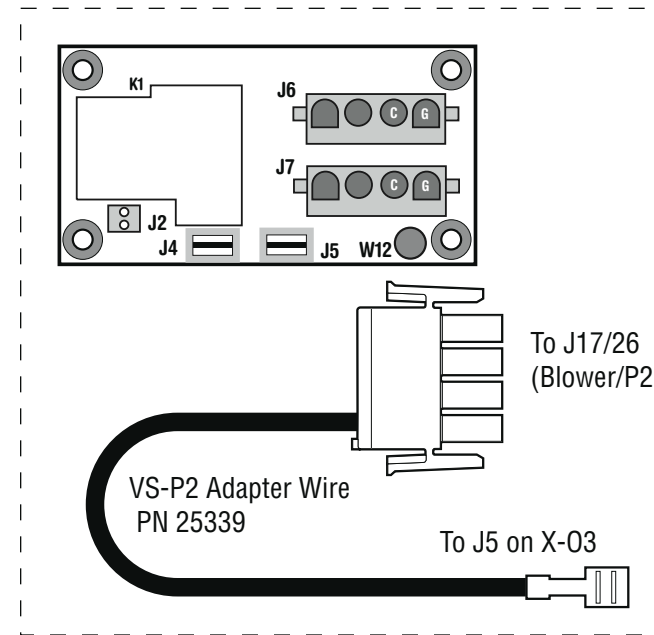
VS500Z Expander Board Options



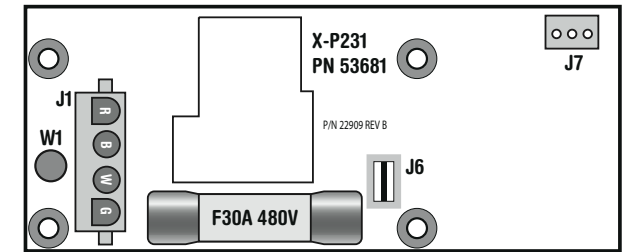
X-P PN 53544
 Used for a 1-speed Pump output.



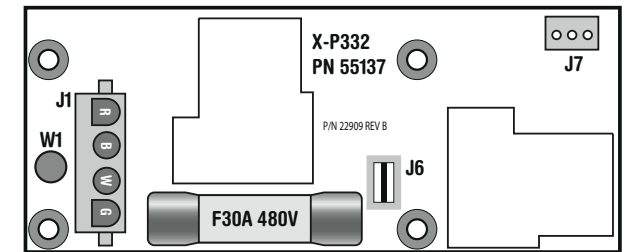
X-B PN 53310
 Used for a Blower output ONLY.



X-2SP Kit PN 53913
 Adapter PN 25339 is used in conjunction with an X-03 to run a 2-speed pump 2. No Blower is available when this kit is used.
 • J4 connects to Black AC (3-A) using J61 or J62 on main board.
 • Connect 2-speed pump to J7 on X-03.



X-P231 PN 53681
 Can replace the X-P in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F5 (1-A) on the main PCBA.
 • J6 on the X-P231 connects directly to Black AC by using J66 or J65 on the main board (1-B).
 • Connect J7 wire on the X-P231 to **J60** on the main board (7-E).
 • Connect W1 on the X-P231 to Red AC on the main board (2-D).



X-P332 PN 55137
 Used for an additional 2-speed Pump output.
 • J6 on the X-P332 connects directly to Black AC by using J66 or J65 on the main board (1-B).
 • Connect J7 wire on the X-P332 to **J13** on the main board (9-E).
 • Connect W1 on the X-P332 to Red AC on the main board (2-D).

NOTE Regarding J12 (Quadrant 9-D):
 When J12 on the Main Board is jumpered on pins 2 & 3, the system is in VS50xZ compatibility mode.
 If J12 on the Main Board is jumpered on pins 1 & 2, the system is in VS51xZ/VS5xxSZ/VS5xxDZ compatibility mode.