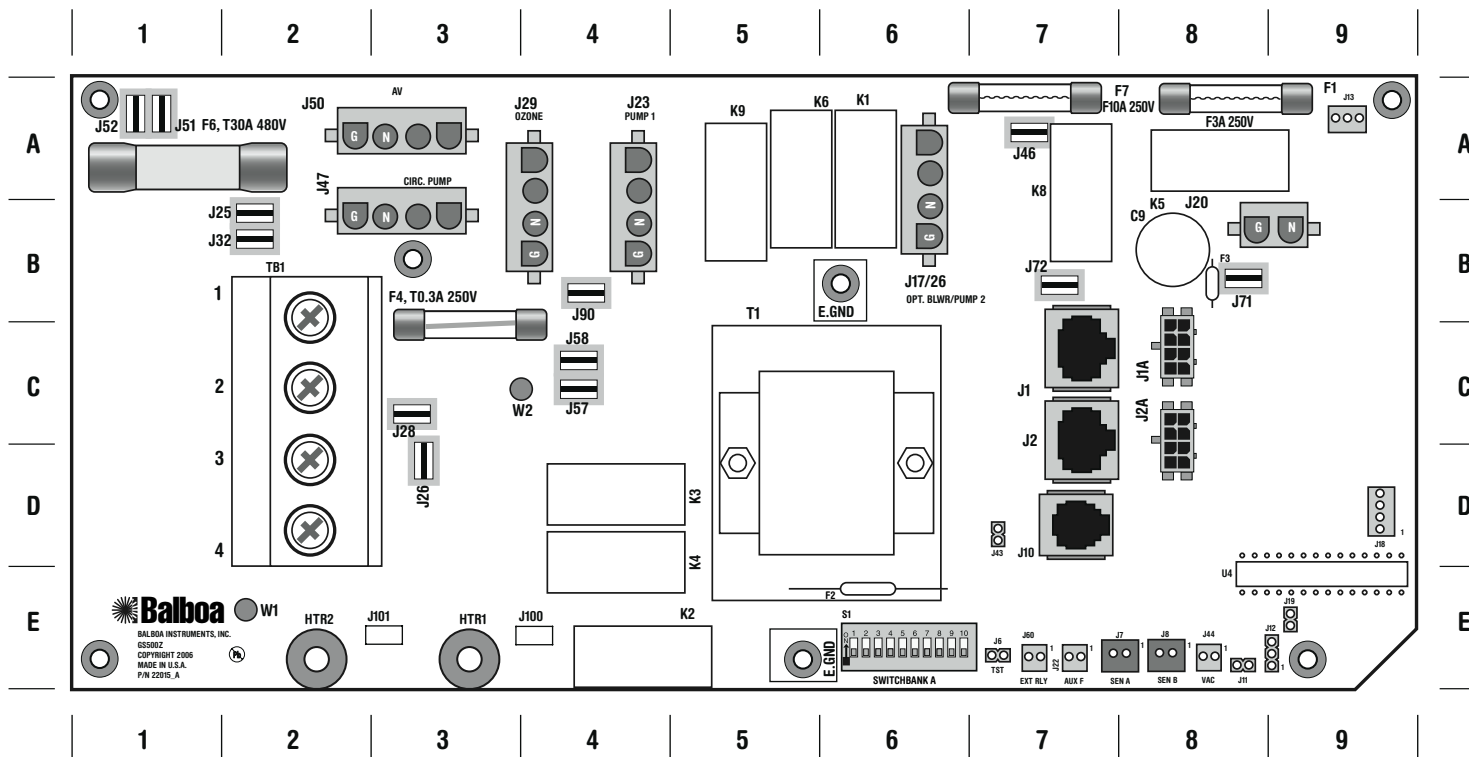


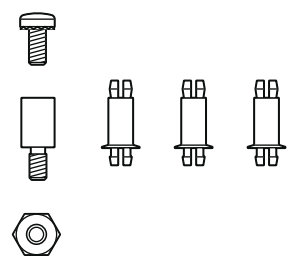
# GS500Z Configuration Guide



## Output Features

Output Feature	Quadrant
J50 Audio Visual (always hot - no relay)	3-A
J47 Circ Pump	3-A
J29 Ozone	4-A
J23 2-Speed Pump 1	4-A
J20 Spa Light	8-B

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

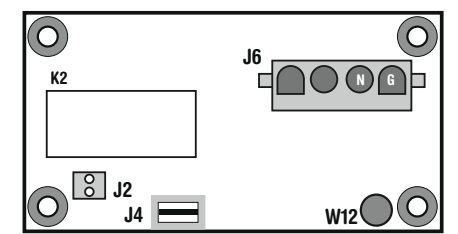


**X-Mount P PN 53933**  
 Used for mounting any Expander Board in a plastic enclosure. Standoffs attach to heater mounting bracket.

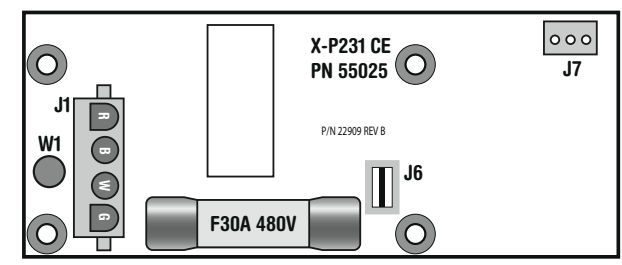
**NOTE Regarding J12 (Quadrant 9-E):**  
 When J12 on the Main Board is jumpered on pins 2 & 3, the system is in GS50xZ compatibility mode.  
 If J12 on the Main Board is jumpered on pins 1 & 2, the system is in GS51xZ/GS5xxSZ/GS5xxDZ compatibility mode.



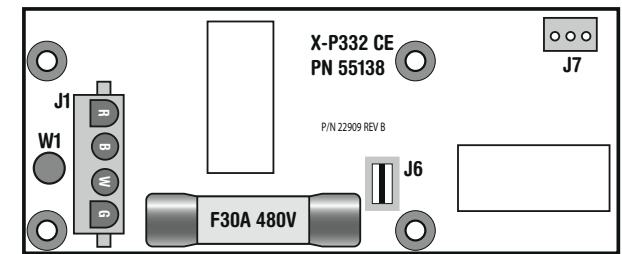
# GS500Z Expander Board Options



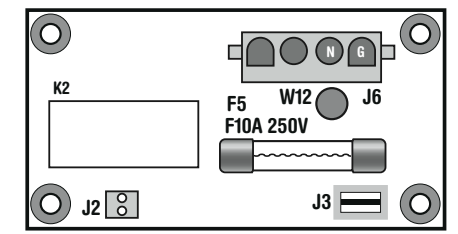
**X-P CE PN 53547**  
 Used for a 1-speed Pump output.  
 • J4 on X-P CE connects directly to Line AC using J52 or J51 on the main GS500Z PCBA.  
 • J2 on X-P CE connects to J60 on the main board.  
 • W12 on X-P CE connects directly to Neutral AC using J57 or J58 on the main GS500Z PCBA.



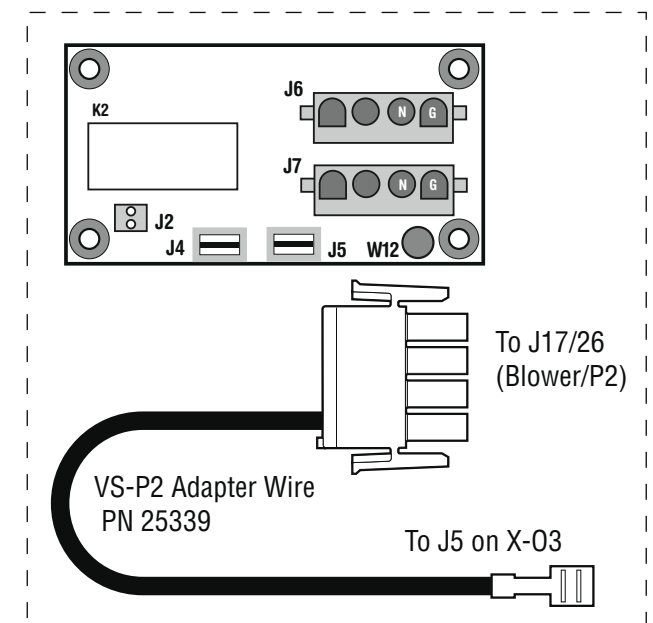
**X-P231 CE PN 55025**  
 Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 (1-A) on the main PCBA.  
 • J6 on X-P231 CE connects directly to Line AC using J25 or J32 on the main GS500Z PCBA, depending on AC Service Configuration.  
 • J7 on X-P231 CE connects to J60 on the main board.  
 • W1 on X-P231 CE connects directly to Neutral AC using J57 or J58 on the main GS500Z PCBA.



**X-P332 CE PN 55138**  
 Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 (1-A) on the main PCBA.  
 • J6 on X-P332 CE connects directly to Line AC using J25 or J32 on the main GS500Z PCBA, depending on AC Service Configuration.  
 • J7 on X-P332 CE connects to J13 on the main board.  
 • W1 on X-P332 CE connects directly to Neutral AC using J57 or J58 on the main GS500Z PCBA.



**X-B CE PN 53311**  
 Used for a Blower output ONLY.  
 • J3 on X-B CE connects directly to Line AC using J52 or J51 on the main GS500Z PCBA.  
 • J2 on X-B CE connects to J60 on the main board.  
 • W12 on X-B CE connects directly to Neutral AC using J57 or J58 on the main GS500Z PCBA.



**X-2SP CE Kit PN 53985**  
 Adapter PN 25339 is used in conjunction with an X-03 CE to run a 2-speed Pump 2. No Blower is available when this kit is used.  
 • J4 on X-03 CE connects directly to Line AC using J52 or J51 on the main GS500Z PCBA.  
 • J2 on X-03 CE connects to J60 on the main board.  
 • W12 on X-03 CE connects directly to Neutral AC using J57 or J58 on the main GS500Z PCBA.  
 • J5 on X-03 CE connects J17/26 connector on the main GS500Z PCBA using adapter wire VS-P2.