GS500Z Configuration Guide
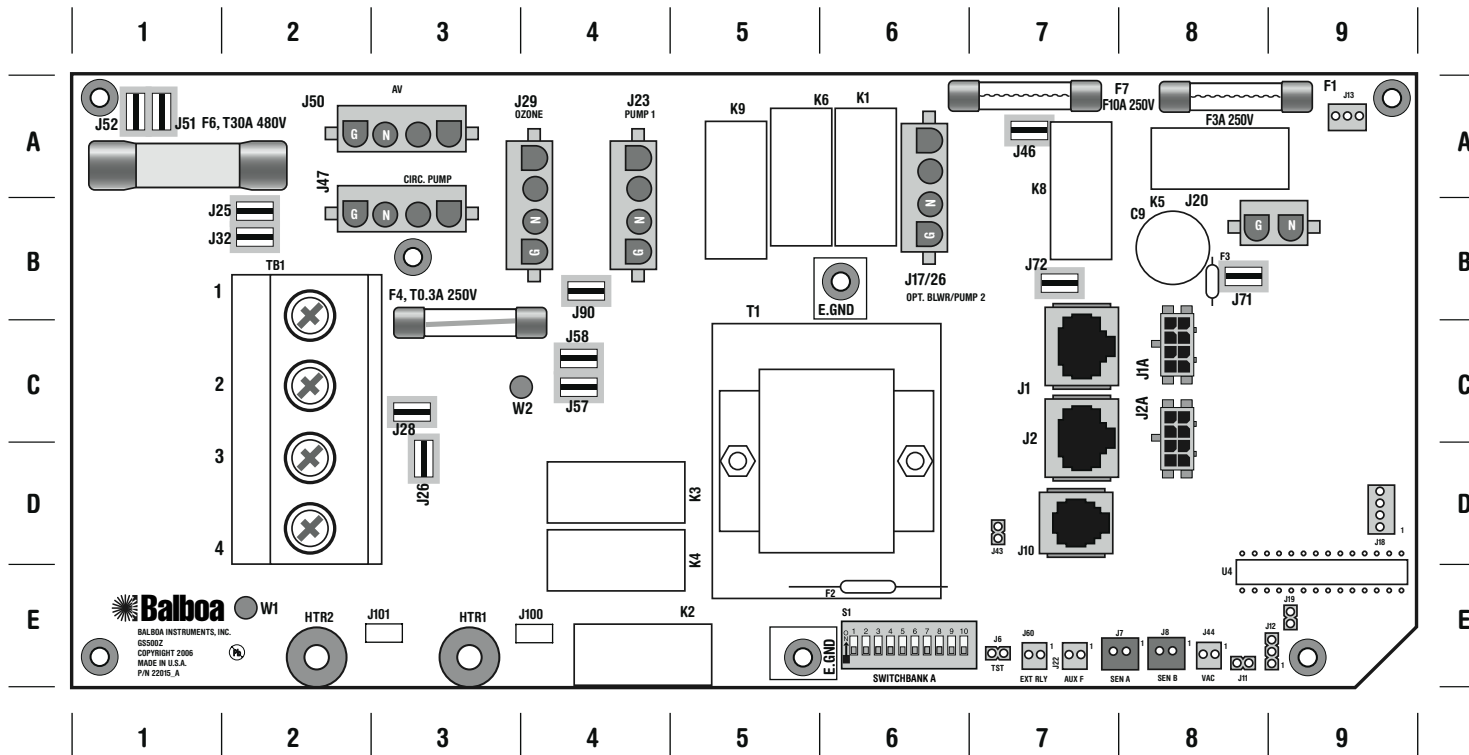
Output Features

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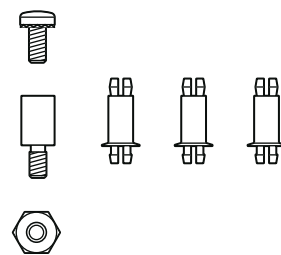
X-Mount P   **PN 53933**
Used for mounting any Expander Board
in a plastic enclosure.
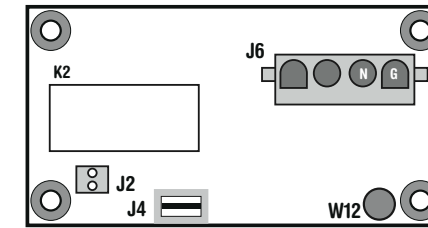Standoffs attach to heater mounting bracket.

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
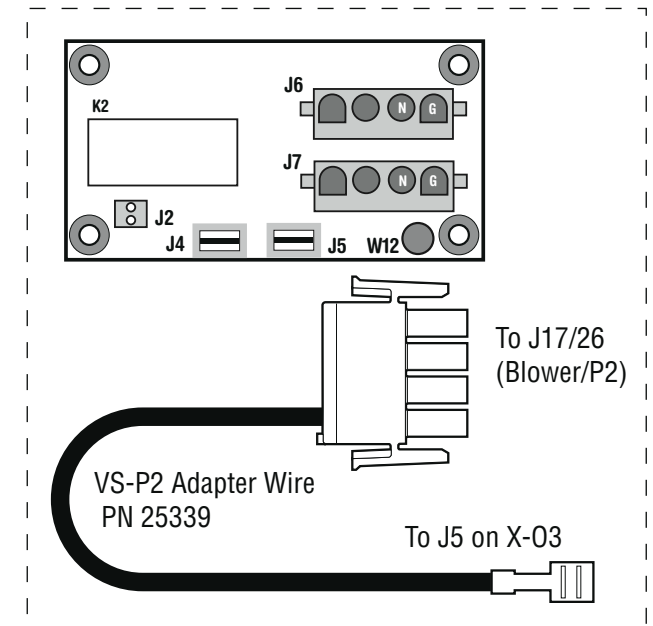 using J57 or J58 on the main GS500Z PCBA.
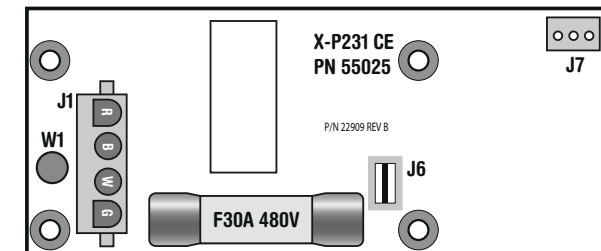
X-P231 CE   **PN 55025**
Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 (1-A) on the main PCBA.
• J6 on X-P231 CE connects directly to Line AC
  using J25 or J32 on the main GS500Z PCBA,
  depending on AC 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.
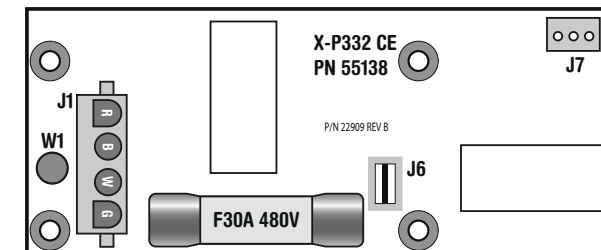
X-P332 CE   **PN 55138**
Can replace the X-P CE in cases where branch circuit protection is needed for high amperage devices that would over-burden power input fuse F6 (1-A) on the main PCBA.
• J6 on X-P332 CE connects directly to Line AC
  using J25 or J32 on the main GS500Z PCBA,
  depending on AC 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.
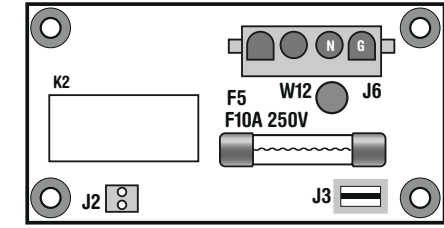
X-B CE   **PN 53311**
Used for a Blower output ONLY.
• J3 on X-B CE connects directly to Line AC
  using J52 or J51 on the main GS500Z PCBA.
• J2 on X-B CE connects to J60 on the main board.
• W12 on X-B CE connects directly to Neutral AC
  using J57 or J58 on the main GS500Z PCBA.

X-2SP CE Kit   **PN 53985**
Adapter PN 25339 is used in conjuction with an X-O3 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.

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