

GS500 Hot Sheet

System PN 53355-02

Balboa Instruments

System Model # GS5-GS500-RCA-3.0k

Base PCBA PN

GS500 – PN 53356

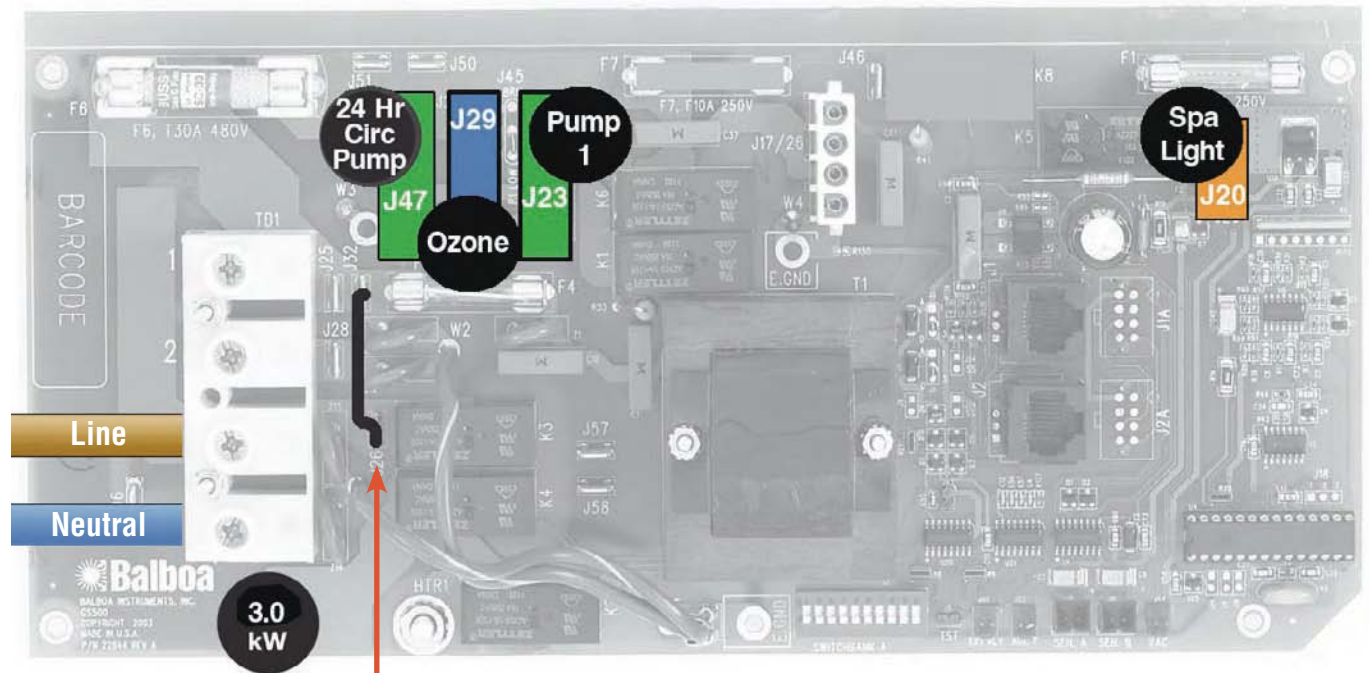
Base Panels

“Duplex” and "Mini bath" style panels



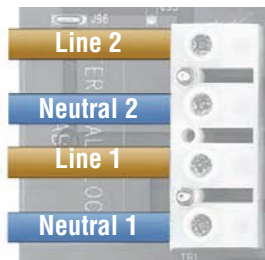
53355_02-97.PDF 05/25/2005

Circuit Board Configuration



Single Service Connection Shown Above - One 16 Amp or One 32 Amp Service.
For 32 Amp service, DIP Switch A10 may be changed to the "High Amp" setting.

Converting from Single Service to Dual Service - Two 16 Amp Services:



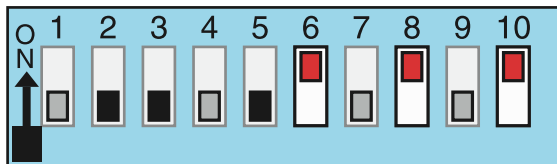
Remove the white wire connecting pins J26 and J32.

Insert and secure the second brown wire into the #1 slot of the terminal block and the second blue wire into the #2 slot of the terminal block.

DIP Switch A10 may be changed to the "High Amp" setting.

DIP Switches and Jumpers

Switchbank A



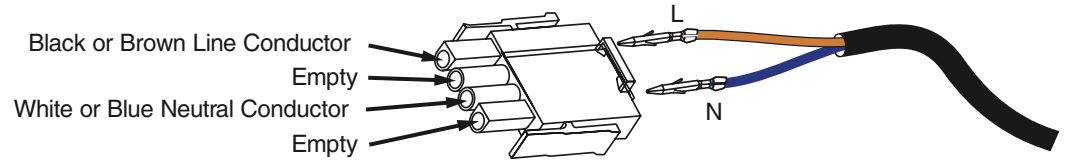
- | | |
|------------------------------|--------------------------|
| A1, Test Mode OFF | A7, Mode Changes |
| A2, B, J, T, L | A8, Degrees C |
| A3, Duplex Panel | A9, Circ Pump OFF |
| A4, Must be OFF | A10, Low Amp |
| A5, 1-speed P1 w/Circ | |
| A6, 50 Hz | |

DIP Switch Key

- | | | | |
|---|----|-------|--|
| A | 1 | ..... | Test Mode (normally Off) |
| A | 2 | ..... | In "ON" position, Button layout will be: Jets, Light, Down, Up. |
|  |  | ..... | In "OFF" position, Button layout will be: Blower, Jets, Temp, Light |
| A | 3 | ..... | In "ON" position, use Mini Panel |
|  |  | ..... | In "OFF" position, use Digital Duplex or Light Duplex panel. |
| A | 4 | ..... | Aux Freeze (must be OFF). |
| A | 5 | ..... | In "ON" position, Two-speed pump 1 when in Circ Mode (A9 On) |
|  |  | ..... | In "OFF" position, One-speed pump 1 when in Circ Mode (A9 On) |
| A | 6 | ..... | In "ON" position, 50Hz operation |
|  |  | ..... | In "OFF" position, 60Hz operation |
| A | 7 | ..... | In "ON" position, Always in Standard Mode |
|  |  | ..... | In "OFF" position, Allow mode changes |
| A | 8 | ..... | In "ON" position, temperature is displayed in degrees Celsius |
|  |  | ..... | In "OFF" position, temperature is displayed in degrees Fahrenheit |
| A | 9 | ..... | In "ON" Position, 24 Hour Circ Pump |
|  |  | ..... | (Optional external relay board will allow 3 ^o shut off for circ pump) |
|  |  | ..... | In "OFF" position, no circ pump |
| A | 10 | ..... | In "ON" Position, heater is disabled while any high-speed pump or blower is running |
|  |  | ..... | (Low amperage, single 16A service) |
|  |  | ..... | In "OFF" position, heater can run while any/all high-speed pumps or blowers are running. |
|  |  | ..... | (High amperage, dual 16A or single 32A service) |

Ozone Connections

Ozone connector configuration for 240VAC 50Hz:

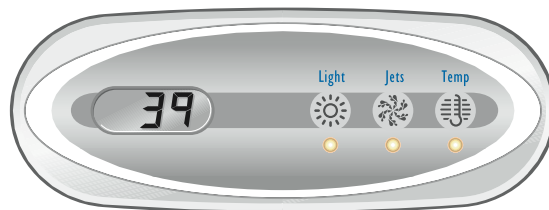
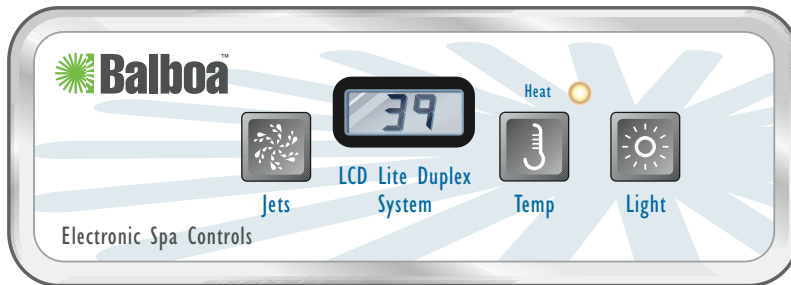


Note: A special tool is required to remove the pins from the connector body once they are snapped in place. Check with your Balboa Account Manager for information on purchasing a pin-removal tool.

Panel Configurations



DIP switch A3 in the "OFF" position



DIP switch A3 in the "ON" position

Several configurations of the panels above can be created as custom parts. Separate Temperature Up and Down buttons can be done if no Blower is present.

There are two Master Panel connectors on the board.