

GS510S Hot Sheet

System PN 53641-03
Balboa Instruments

System Model # GS5-GS510S-RCA-3.0k

PCBA PN
GS510S – 53642-02

Base Panels
"Serial Standard" style panels



53641_03-97_A.pdf 01/17/2006

Manufacturer Settings GS510S

INPUT

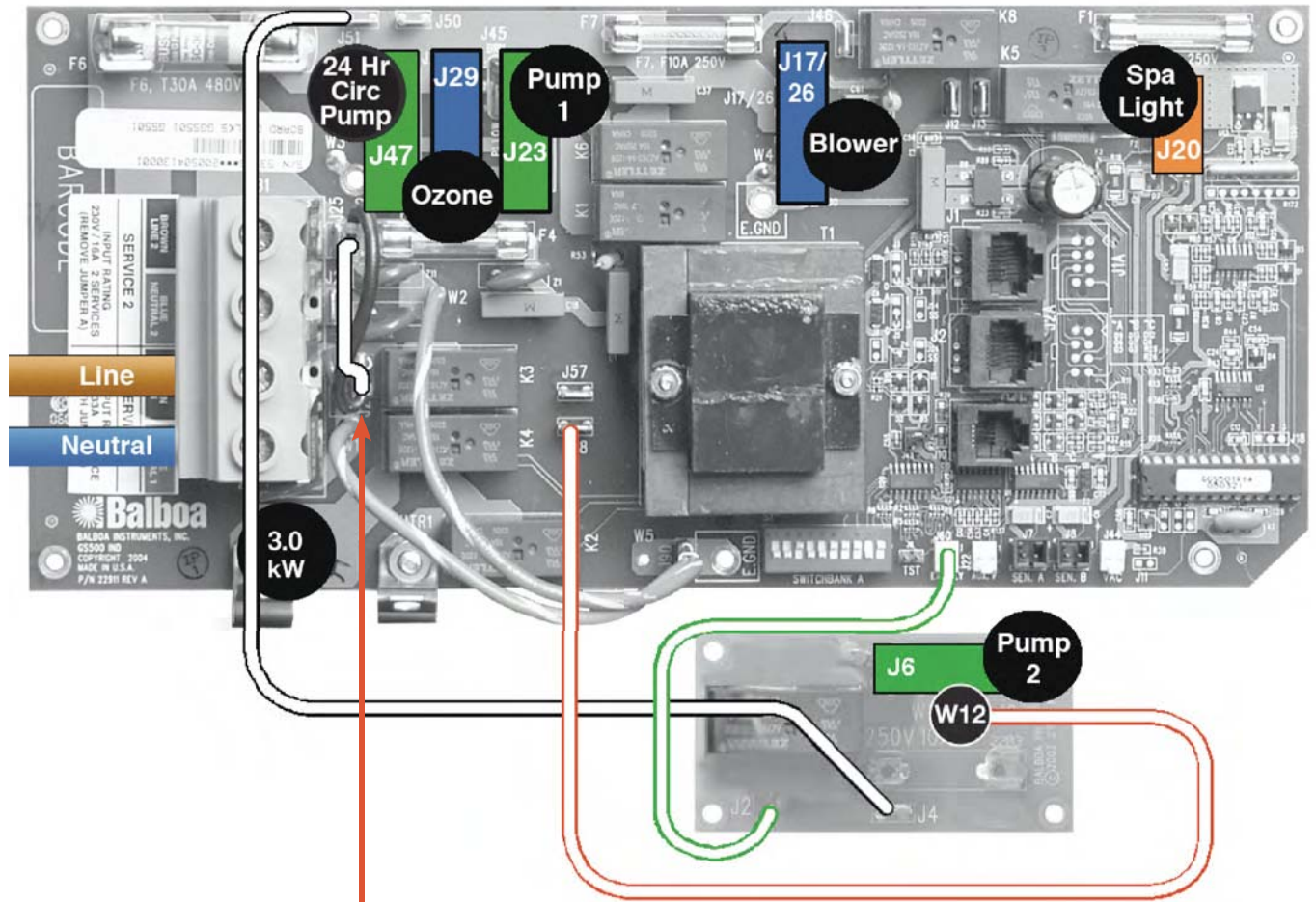
- 230V; 3 wires (line, neutral, ground)

OUTPUTS

- 230V Pump 1, dual speed (high speed: 15-minute timeout; low-speed; 4-hour timeout)
- 230V Pump 2, single speed (15-minute timeout)
- 230V Blower (15-minute timeout)
- 230V Ozone (ozone runs with low-speed of Pump 1)
- 10V Spa Light (4-hour timeout)
- Heater: 3.0kw @ 230V

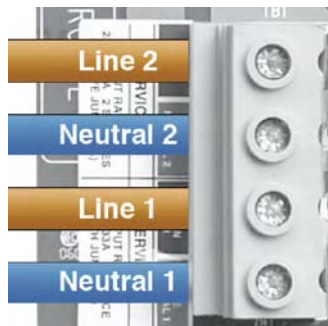


Circuit Board Configuration



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:



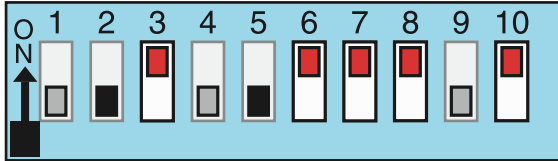
Remove the white wire connecting pins J26 and J32.

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



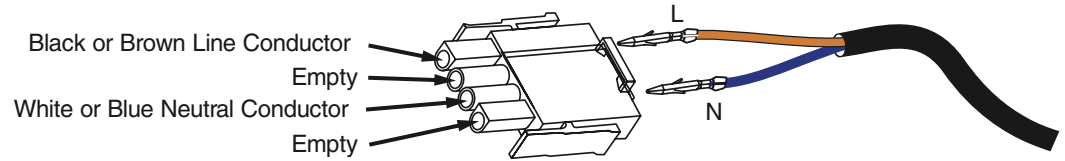
- | | |
|------------------------------|--------------------------|
| A1, Test Mode OFF | A7, Blower Enable |
| A2, Panel Option | A8, Degrees C |
| A3, Pump2 Enable | A9, Circ Pump OFF |
| A4, Must be OFF | A10, Low Amp |
| A5, 1-speed P1 w/Circ | |
| A6, 50 Hz | |

DIP Switch Key

- | | | | |
|---|----|-------|---|
| A | 1 | ..... | Test Mode (normally Off) |
| A | 2 | ..... | In "ON" position, long SER STD Panel |
|  |  | ..... | In "OFF" position, Balboa SER STD Panel |
| A | 3 | ..... | In "ON" position, Pump2 enable |
|  |  | ..... | In "OFF" position, Pump2 disable |
| 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, Blower enable |
|  |  | ..... | In "OFF" position, Blower disable |
| 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 |
|  |  | ..... | 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

