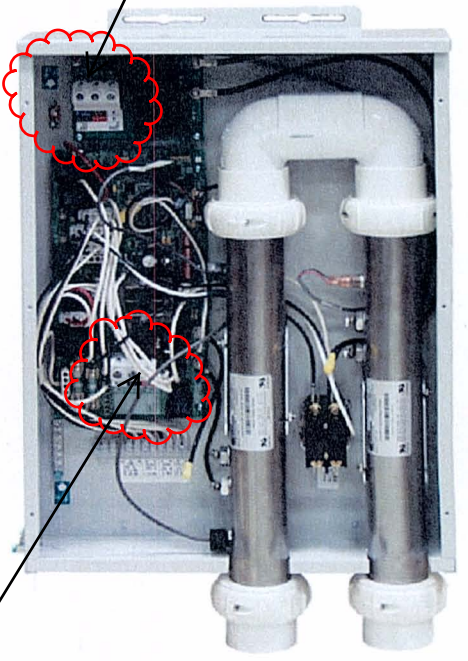
EL2KELEC Mach 3 Hot Sheet

Balboa Instruments
System PN 54670

System Model # E2P-EL2KELEC-YCAH
Software Version # 30
EPN # 2472

Base PCBA – PN 55313
PCB EL2000 – PN 22896 Rev B
HEX File – 10011430

Base Panels
ML900 – PN 52654
ML700 – PN 52649
ML400 – PN 52684



System live amp draw test:

1. low pump 1 and 5,5 heater - 24 amps
2.Pump 1- hi speed w/heater 5.5
3. Pump 1 hi speed and pump 2 with 5.5 heater 38 amps

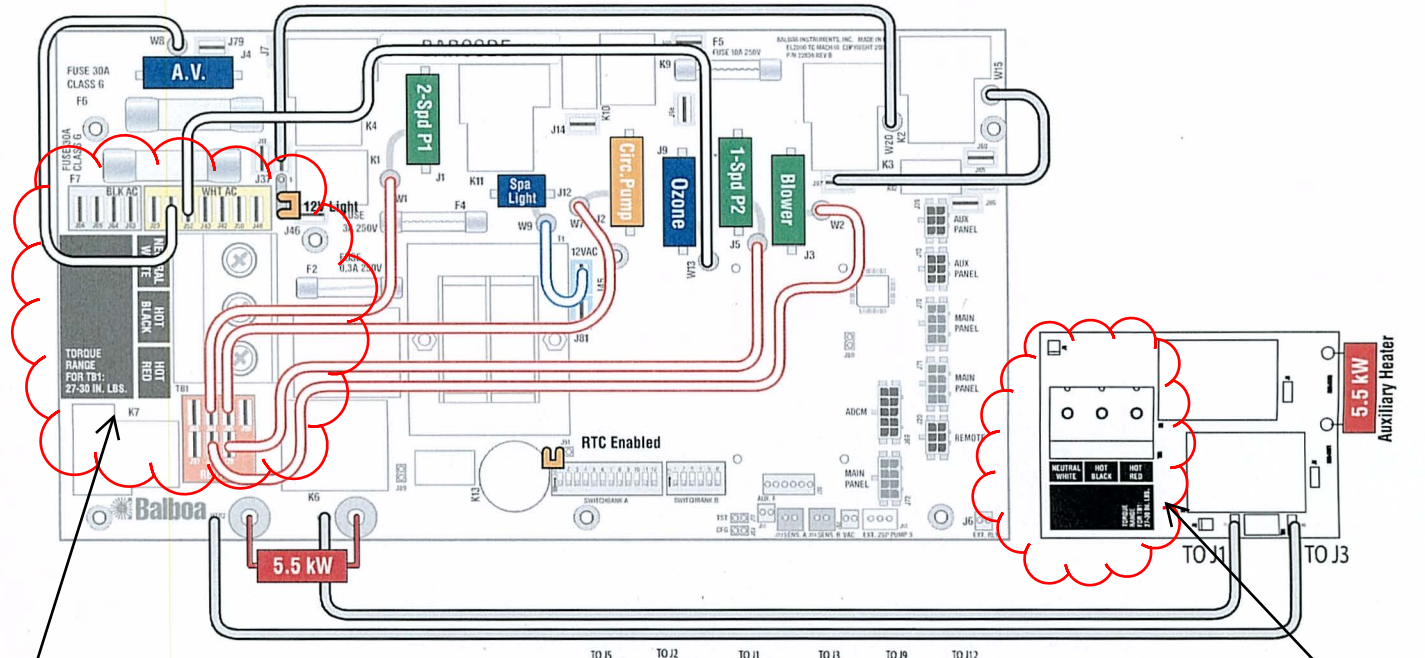
Template used: 40573-v29-30_D.pdf 07/19/2007
54670_97_C.pdf 07/30/2007

Balboa Instruments Incorporated

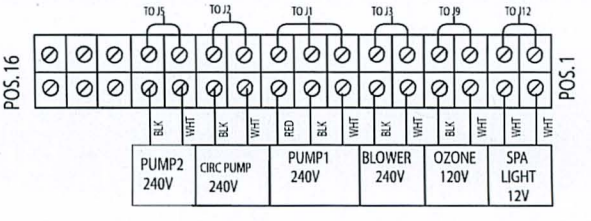
Wiring Configuration and DIP Settings

Setup 1 (As Manufactured)

- 240V Pump 1, 2-Speed
- 240V Pump 2, 1-Speed
- 240V Blower, 1-Speed
- 240V Circ Pump (Optional)
- 12V Spa Light
- 120V Ozone
- 120V A\V (Stereo)
- 240V 5.5kW Heater
- 240V 5.5kW Auxiliary Heater
- ML900 or ML700 Main Panel

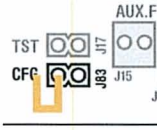


Terminal Block A - requires 4 wire 60A service for the control pack, pumps and primary 5.5KW heater



Terminal Block B - requires 4 wire 30A service for the secondary 5.5KW heater

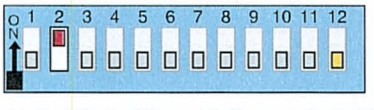
WARNING: Main Power to system should be turned OFF BEFORE adjusting DIP switches.
WARNING: Persistent Memory (A12) must be RESET to allow new DIP switch settings to take effect. (See Persistent Memory page)



When the Logic Jumper is not installed on J83 (CFG), DIP Switch Settings are enabled.
DIP Switches will then operate as shown below.

SSID #
100
114
30

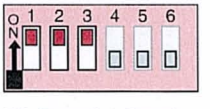
Switchbank A



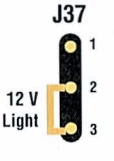
A1, Test Mode OFF
A2, High Amp
A3, Filter by Time
A4, 12 Hr Time
A5, Degrees F
A6, Short Timeouts

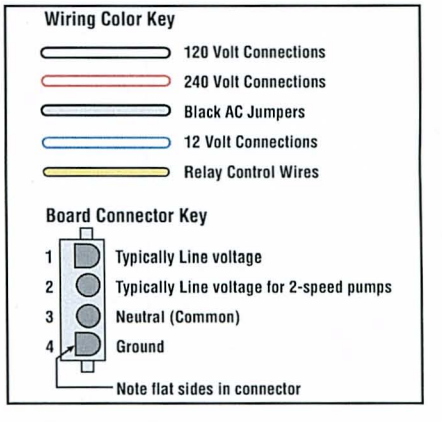
A7, Cleanup Cycle OFF
A8, 1Hr O_3 Supress OFF
A9/A10, No Circ Pump
A11, O_3 w/ P1 Low and P1 is 2-Spd
A12, Memory Retained

Switchbank B



B1, Pump 2 1-Speed
B2, Pump 2 Enabled
B3, Blower Enabled
B4, No Fiber/Wheel
B5, Pump 3 Disabled
B6, Panel Scrunching OFF





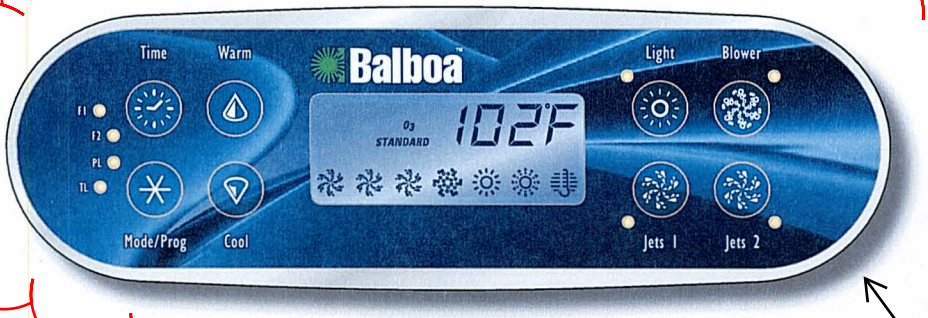
ON= Ozone in low speed

Panel Configurations

Time Capable

Note: RTC jumper (J91) on Main PCBA must be OFF (1 pin only)

ML900
PN 52654 with Overlay PN 40026
• Connects to Main Panel terminal J70, J71, or J72

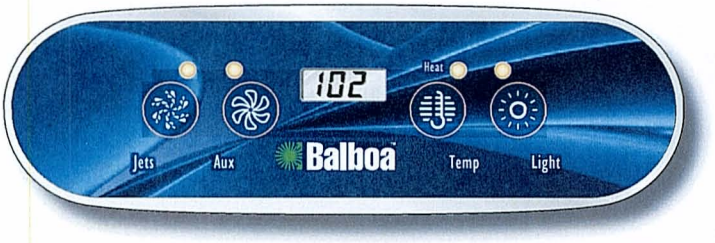


ML700
PN 52649 with Overlay PN 11281
• Connects to Main Panel terminal J70, J71, or J72

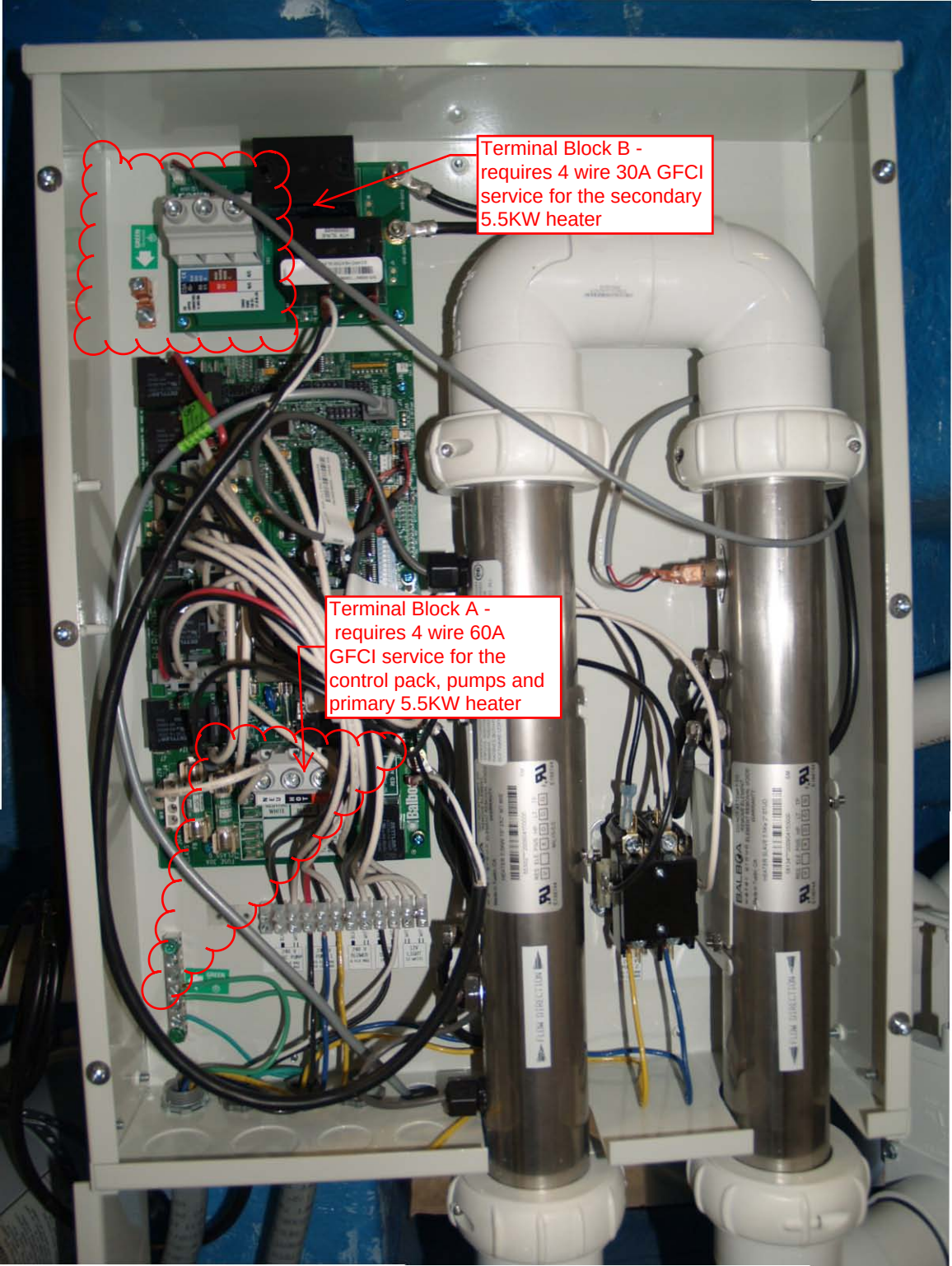
Topside control panel

Non-Time Capable

Note: Connects to Main Panel terminal J70, J71, or J72
Note: RTC Jumper (J91) on Main PCBA must be ON (both pins jumpered), unless a Time Capable panel is also used.



ML400
PN 52684 with Overlay PN 11345


Terminal Block B - requires 4 wire 30A GFCI service for the secondary 5.5KW heater
Terminal Block A - requires 4 wire 60A GFCI service for the control pack, pumps and primary 5.5KW heater