

BP601G1 Tech Sheet

Customer: Balboa Water Group

Part Number: 56498-06 3.0kW 825 Incoloy
56499-07 3.0kW Titanium
59393-01 2.0kW 825 Incoloy

Custom Box Overlay

Box Overlay Part Number N/A

CE System Model For 2.0KW: BP6-BP601G1-RCA-2.0KW

CE System Model For 3.0KW: BP6-BP601G1-RCA-3.0KW

Software Version ID: M100_206 V72.0

Software Version: 72.0

File Name: BP601_72.0_BP601G1.hex

Configuration Signature: 0B27D306

Eng. Project Number: 5663

Control Panels (See later pages for more information):

spaTouch™3 Any version (version 3.2 or later required for Clim8zone™ heat pump support*)

spaTouch™2 Any version (version 2.19 or later required for CHROMAZON™ support; version 2.36 or later required for Clim8zone™ heat pump support*)

TP700 Any version (version 1.27 or later required for Clim8zone™ heat pump support*)

TP600 Version 2.7 and later (Version 2.12 or later required for bba™/bba™ 2 On/Off control via menu)

TP500 Any version

TP400T CE Version 2.7 and later (TP400T US should not be used) (Version 2.12 or later required for bba™/bba™ 2 On/Off control via menu)

TP400W CE Version 2.7 and later (TP400W US should not be used) (Version 2.12 or later required for bba™/bba™ 2 On/Off control via menu)

TP200T Any version

TP200W Any version



Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.

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System Revision History

Part #	EPN	Date	Originator	Changes Made
56497 56498 56499	3899	05-13-13	BWG	BP601G1 initial draft
"	N/A	06-12-13	BWG	Corrections to Tech Sheet
56497-01 56498-01 56499-01	4127	08-28-13	BWG	Issue found with Serialized Purge on one-pump-only Setups.
56497-02 56498-02 56499-02	4132	09-12-13	BWG	Update to latest software version.
" 56562-01	4132	03-12-14	BWG	Updated to latest software version, adding topside-intergrated bba™ support. Released to production.
"	4524	05-20-15	BWG	Correct TB1 BRN/BLU wiring.
56497-03 56498-03 56499-03 56562-02	4776	10-12-16	BWG	Updated to latest software version, adding topside-intergrated bba™2 support. Released to production.
56497-04 56498-04 56499-04 56562-03	4890	06-15-17	BWG	Updated to latest software version, adding bba™/bba™2 On/Off support to TP600/TP400 Menus. Released to production.
56497-05 56499-05 56562-04	5007	07-25-18	BWG	Redesigned BP601 board. (56498-XX not updated because it has been discontinued.)
56498-05 56499-06 59393	5302	11-26-19	BWG	PN 56498-XX re-activated. Updated software to support CHROMAZON™ & M8. Added 2.0kW 825 Incoloy "3S" system PN (59393). 800 Incoloy system PNs 56497-XX and 56562-XX discontinued.
56498-06 56499-07 59393-01	5663	06-19-24	Customer	Update to support Clim8zone™ heat pump.

bba™2 / bba™3 (Balboa Bluetooth Amp) connection is documented separately.

bba™2 / bba™3 is integrated into graphic display panels (including TP700 and spaTouch™).

With TP600/500/400/200, use the "BT" entry on the menu to toggle bba™2 / bba™3 power On/Off.

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Basic Functions Setup 1 - 6

Power Requirements:

Single Service [3 wires (line, neutral, ground)]
230VAC, 50/60Hz*, 1p, 16A, (Circuit Breaker rating = 20A max.)

Single Service [3 wires (line, neutral, ground)]
230VAC, 50/60Hz*, 1p, 32A, (Circuit Breaker rating = 40A max.)

* BP systems automatically detect 50Hz vs 60Hz. However, power frequency (50Hz vs 60Hz) is just one of many differences between North American (UL) and CE power, and it is because of these other differences that different BP systems must be used for UL vs CE territories. Also, there are a few countries that use CE power but 60 Hz (such as South Korea) which need CE systems, and a few countries that use UL power but 50 Hz which need UL systems.

HiPot Testing Note:

Disconnect slip terminal with green wires from J52 prior to performing HiPot test. Failure to disconnect may cause a false failure of the test. Reconnect terminal to J52 after successful completion of HiPot test.

Basic Functions Setup 1 - 6

System Outputs:

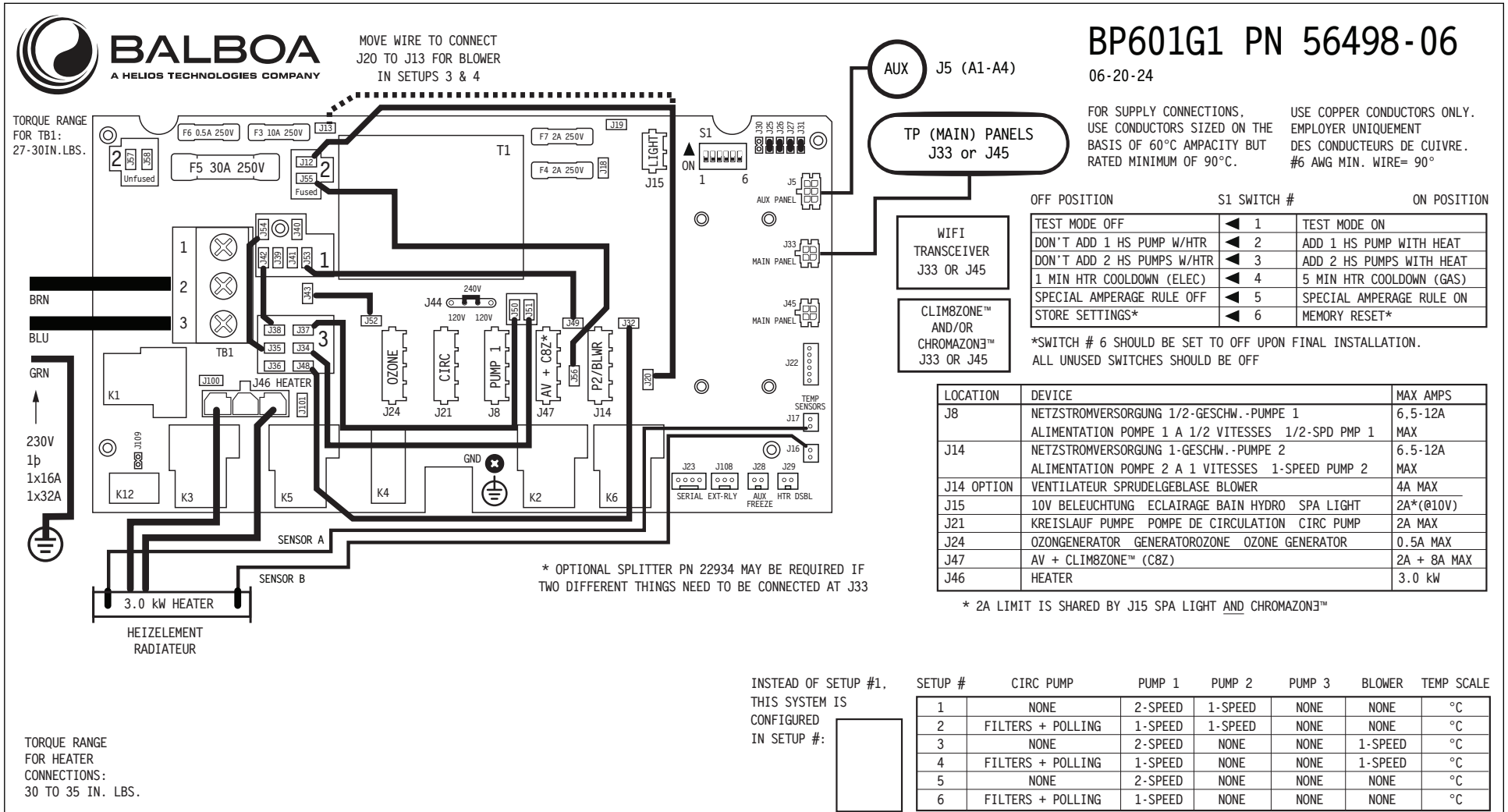
Pump 1	230VAC	2-Speed	6.5A - 12A max	15-minute timer (30-minute timer for P1 Low in non-circ setups only)
				Pump size is dependent on service available (16A vs. 32A), other equipment installed, and if A5 is set to ON for Special Amperage Rule B. In Setups 1, 3, 5, this is the heater pump. Must deliver 20 GPM through heater NOTE: A circ pump cannot be used with a 2-speed pump in this system. See the BP601G2. 1 Speed in Setups in Setups 2, 4, 6
Pump 2	230VAC	1-Speed	6.5A - 12A max	15-minute timer
				Pump size is dependent on service available (16A vs. 32A), other equipment installed, and if A5 is set to ON for Special Amperage Rule B. Used in setups 1 & 2
Blower	230VAC	1-Speed	4A max	15-minute timer
				Used in Setup 3 & 4
Circ Pump	230VAC	1-Speed	2A max	Programmable Filtration Cycles + Polling
				This is the heater pump in Setups 2, 4, 6. Must deliver 20 GPM through heater
Ozone	230VAC		.5A max	Slaved to Circ Pump in Circ Setups and to Pump 1 Low in Non-Circ Setups
Spa Light	10VAC	On/Off	2A* max	240-minute timer.
AV + C8Z**	230VAC	Hot	2A + 8A max	Always on
Heater	3.0kW @ 240VAC max			

* 2A max limit is shared by On/Off Spa Light and CHROMAZON[™].

** Optional splitter PN 22934 can be used to connect two things, such as an audio device and Clim8zone[™](C8Z), to J33.

Hardware Setup

Wiring Diagram



Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending.

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Setup Reference Table

Setup #	Circ Pump	Pump 1	Pump 2	Pump 3	Blower	Temp Scale
1	None	2-Speed	1-Speed	None	None	°C
2	Programmable Filtration + Polling	1-Speed	1-Speed	None	None	°C
3	None	2-Speed	None	None	1-Speed	°C
4	Programmable Filtration + Polling	1-Speed	None	None	1-Speed	°C
5	None	2-Speed	None	None	None	°C
6	Programmable Filtration + Polling	1-Speed	None	None	None	°C

System is shipped in Setup 1

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.

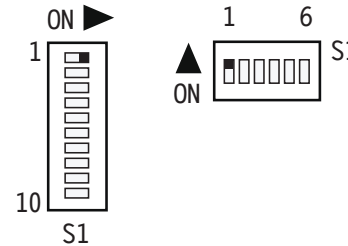


Changing Software Setups with spaTouch™ Icon-Driven Panels

Test Menu Access (S1, Switch 1 ON) *Service Technician ONLY.*

DANGER! HIGH VOLTAGE WILL BE ACCESSIBLE! SERVICE TECHNICIAN ONLY!

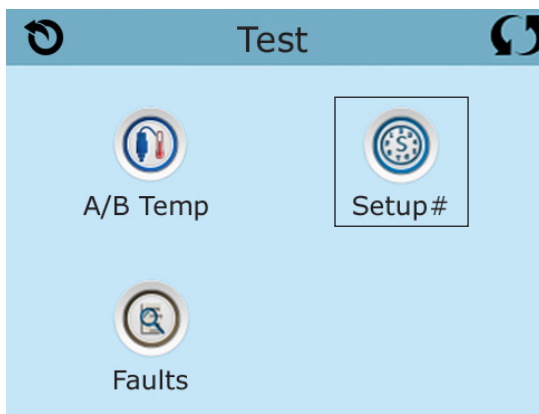
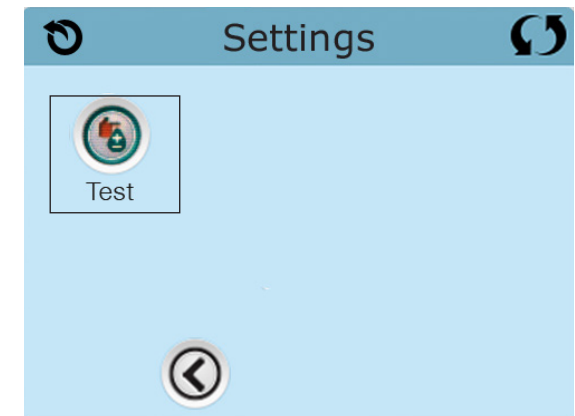
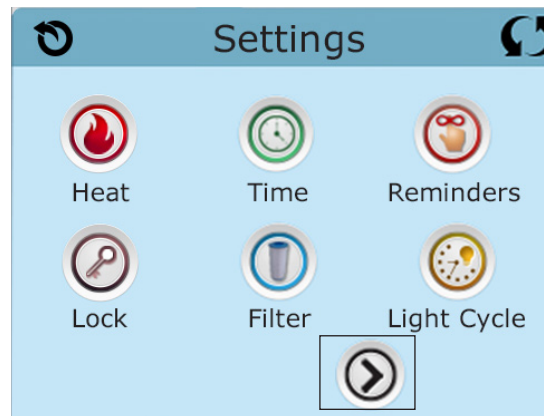
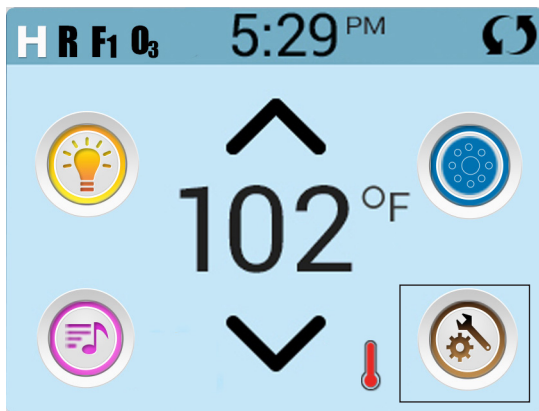
While the system is running, move DIP Switch 1 (on S1 on the Main circuit board) to ON. The system will enter Test Mode. Moving DIP Switch 1 to OFF will exit Test Mode.



The example screens shown here are from the spaTouch 1 Icon-Driven Panel, but the screens on the spaTouch 2 Panel are similar. The main difference is that the spaTouch 2 display is wider.

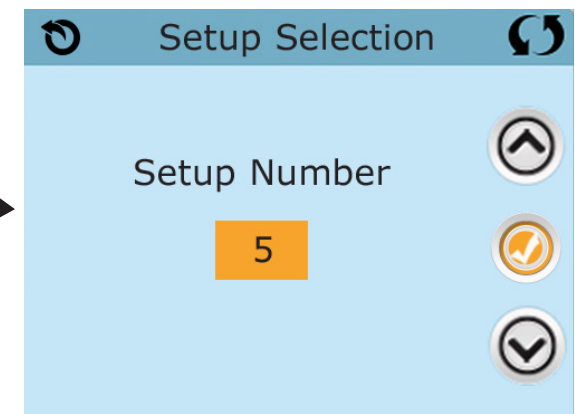
To Change Software Setups:

While in Test Mode, press the indicated icons to move from screen to screen.



Once on the Setup Selection screen, press the Up or Down icon to select the desired Setup Number, then press the Check Mark icon to confirm and to have the spa restart.

After the system restarts, you may see a message that "The settings have been reset"; this is normal after changing Setups with DIP Switch 6 in the OFF position. Press "Clear" to dismiss this message.



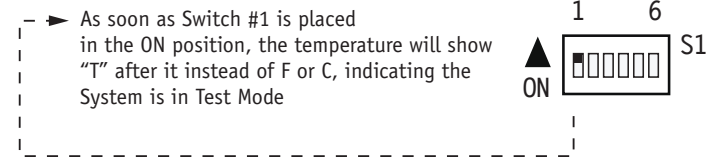
Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.

Changing Software Setups with TP600/TP500/TP400/TP200

Test Menu Access (S1, Switch 1 ON) *Service Technician ONLY.*

DANGER! HIGH VOLTAGE WILL BE ACCESSIBLE! SERVICE TECHNICIAN ONLY!

While the system is running, move DIP Switch 1 (on S1 on the Main circuit board) to ON. The system will enter Test Mode. Moving DIP Switch 1 to OFF will exit Test Mode.



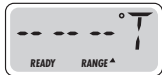
Software Setups

Under the TEST Menu, the Setup screen will allow changing the Setup from 1 to any number established by the Manufacturer. Changing the Setup may require wiring changes as well.

You will have 1 minute to complete the Setup change after you manually exit Priming Mode. (Once familiar with the process, the Setup change should take less than 15 seconds.)



When the panel displays RUN PMPS PURG AIR, press any Temperature button ONCE to exit Priming Mode. You should see "----T" where the T indicates the system is in Test Mode.



Continued on Next Page.

Changing Software Setups with TP600/TP500/TP400/TP200 Continued

Again, **You will have 1 minute** to complete the setup change after you manually exit Priming Mode.

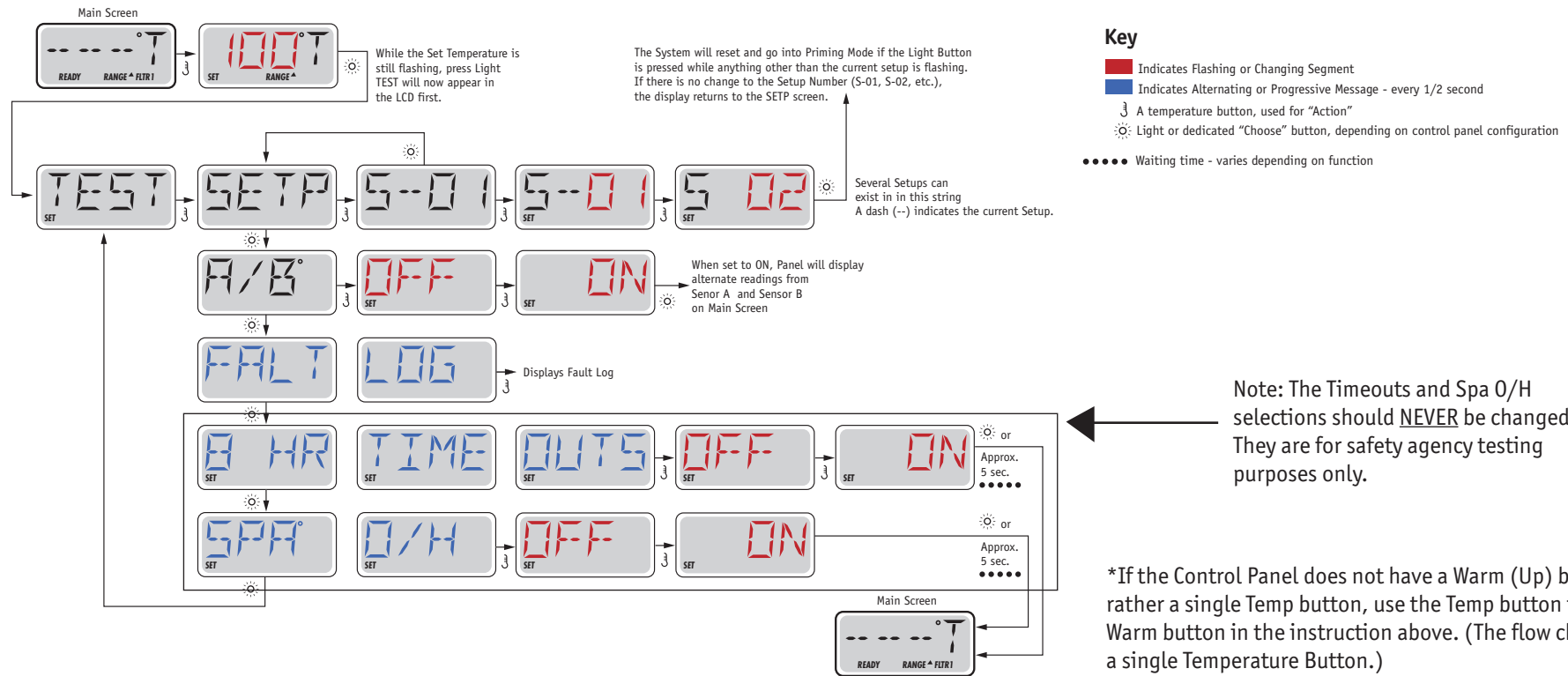
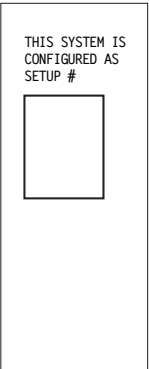
NOTE: Wherever the below says Warm or Temp followed by Light, on the TP500 press Menu instead of Warm or Temp followed by Light. And whenever the chart below says Light, on the TP500 press Menu instead of Light.

Immediately after exiting Priming Mode, press this sequence of buttons: Warm*, Light, Warm, Warm, Warm, Warm. Continue to press Warm until the display shows the Setup Number (S-01, S-02, etc.) you want to switch to. When the correct Setup Number is showing, press Light once, and the system will reset, using the newly-selected Setup from that point on.

Move DIP Switch 1 to the OFF position to take the spa out of Test Mode. °F or °C will replace °T.

Using a permanent marker, write the Setup number on the Setup label mounted inside the system lid (right). This is very important to any service person in the future who may need to replace a circuit board or system and needs to change the Setup on a replacement part while in the field.

NOTE: Changing the Setup may require wiring changes as well - refer to the wiring diagram or wiring diagram addendum.



Equipment Expansion

Expansion Features

Control Connection

Relay 1/2 (J108)

Default

None

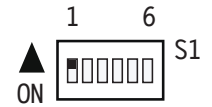
Fuse

None

DIP Switch Functions

Fixed-function DIP Switches

- A1 Test Mode (normally Off).
- A2 In "ON" position, add one high-speed pump (or blower) with Heater.
- A3 In "ON" position, add two high-speed pumps (or 1 HS Pump and Blower) with Heater.
- A5 In "ON" position, enables Special Amperage Rule B. See Special Features section under Configuration Options for functionality with your system.
In "OFF" position, enables Special Amperage Rule A.
- A6 Persistent memory reset (Used when the spa is powering up to restore factory settings as determined by software configuration).



A2 and A3 work in combination to determine the number of high-speed devices and blowers that can run before the heat is disabled. i.e. A2 and A3 in the ON position will allow the heater to operate with up to 3 high-speed pumps (or two HS Pumps and Blower) running at the same time. Heat is disabled when the fourth high-speed pump or blower is turned on.






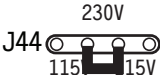
Note: A2/A3 all off = No heat with any high-speed pump or blower.

Assignable DIP Switches

- A4 In "ON" position, enables a 5-minute cooldown for some gas heaters (Cooling Time B).
In "OFF" position, enables a 1-minute cooldown for electric heaters (Cooling Time A).

Undesignated switches are not assigned a function.

Jumper Definitions

J109	Non Applicable on CE models	J109 
J30	Do Not Use	
31	Jumper on 1 pin with 2.0kW or smaller heater Jumper on 2 pins with a 3.0kW or higher heater	<p>J31  59393-XX</p> <p>Jumper setting varies by system model which is shown to the right of the jumper.</p> <p>J31  56498-XX, 56499-XX</p>
J29	<p>Heater Disable Switch Connection. If J29 is shorted by any means, the heater will not run until J29 is no longer shorted.</p> <p>If J29 is shorted during power-up “J29” will appear on the panel.</p> <p>The message can be dismissed with a button press, and is the only control panel notification of J29 being shorted.</p> <p>No message is displayed if J29 is shorted after power-up, but the heater will not run until J29 is no longer shorted.</p> <p>J29 expects a switch closure (not a voltage) as the command signal.</p> <p>In some areas, a local power company may offer discounts based on voluntary “power shedding” devices that may be installed in conjunction with the spa.</p>	J29 
J25, J26, J27	<p>Heater Type Settings.</p> <p>Note: <i>Factory Configured do not change.</i></p>	
J44	Jumper must be on center two pins (230V) for CE Systems.	

Warning!

Setting DIP switches or jumpers incorrectly may cause abnormal system behavior and/or damage to system components. Refer to Switchbank illustration on Wiring Configuration page for correct settings for this system. Contact Balboa if you require additional configuration pages added to this tech sheet.

Replacement Parts

PCBA:

Main PCBA: 59104-02 3.0kW Models
59105-02 2.0kW Models

HEATER(s):

Plug + Click Heater Kit: 58107R16 3.0kW 825 Inc
55626R16 3.0kW Titanium
58115R16 2.0kW 825 Inc
Temp Sensor Kit: 53605

CABLES:

N/A

FUSES:

Part Number	Amperage*	Location
30136	30A	F5
26307	2A	F4, F7
26905	0.5A	F6
26904	10A	F3

* The amperages shown above are only intended for identifying fuses on our boards. They are not complete descriptions of those fuses. Please use the part numbers at the left to order fuses directly from Balboa.

BP601 Configuration Options

General Features

Feature	Default	
Pump 1 in Filter Cycle (Circ Only)	No	
Pump 1 Low Timer	<i>30 Minutes</i>	Applies in non-circ Setups (configurations) only
General Pump Timer	15 Minutes	
Blower Timer	15 Minutes	
Mister Timer	15 Minutes	
Light Timer	240 Minutes	
Circ (when enabled)	Programmable + Polling	
Cleanup Cycle	<i>30 Minutes</i>	
Cleanup as Preference setting	<i>Yes</i>	
Ozone	With Heater Pump*	
Ozone Suppression	OFF	
Pump Purge	60 Seconds	
Blower Purge	30 Seconds	
Mister Purge	5 Seconds	
Purge Type	Serial - Pumps at lowest speed	

* The heater Pump can be either a Circ Pump or Pump 1 Low.

BP601 Configuration Options

Temperature Features

Feature	Default
---------	---------

Temperature Display	°C
---------------------	----

All temperatures must be specified in °F. The system converts °F to °C dynamically. If Celsius is required for default settings, choose a desired °C value that (after rounding) corresponds to a Fahrenheit value.

°C	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
°F	39	41	43	45	46	48	50	52	54	55	57	59	61	63	64	66	68	70	72

°C	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
°F	73	75	77	79	81	82	84	86	88	90	91	93	95	97	99	100	102	104

Hi-Range Min. Set Temp	80°F
Hi-Range Max. Set Temp	104°F
Hi-Range Default Temp*	100°F
Lo-Range Min. Set Temp	50°F
Lo-Range Max. Set Temp	99°F
Lo-Range Default Temp*	70°F
Freeze Threshold	44°F
Freeze Type	Rotating - Pumps at Lowest Speed
Temp Lock Type	Temp + Settings

**May be changed by end-user (if enabled)*

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.



BP601 Configuration Options

Time Features

Feature	Default
Time Format*	24 Hour
Filter 1 Start Hour*	20:00 (8:00 PM)
Filter 1 Duration*	2 Hours
Filter Cycle 2 Default*	OFF
Filter 2 Start Hour*	08:00 (8:00 AM)
Filter 2 Duration*	15 Minutes
Light Cycle	Disabled
Light Cycle Default*	OFF
Light Cycle Start Hour*	21:00 (9:00 PM)
Light Cycle Duration*	15 Minutes
Cooling Time A	1 Minute
Cooling Time B	5 Minutes

**May be changed by end-user (if enabled)*

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.

BP601 Configuration Options

Reminder Features

Feature	Default
Reminders Shown*	<i>Yes</i>
Check pH	<i>OFF</i>
Check Sanitizer	<i>OFF</i>
Clean Filter	30 Days
Test GFCI	<i>65 Days</i>
Drain Water	<i>100 Days</i>
Change Cartridge	OFF
Clean Cover	<i>OFF</i>
Treat Wood	<i>OFF</i>
Change Filter	365 Days

**May be changed by end-user (if enabled)*

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.

BP601 Configuration Options

Special Features

Feature	Default
Special Amperage Rule A	No Limitation
Special Amperage Rule B	1 HS Pump - Blower turns off with 1 HS Pump
Drain Mode	Disabled
Demo Mode	Disabled
GFCI Trip	Not Applicable for CE Models
Automatic GFCI Test	Disabled
Ozone Slaved to Heater Pump	Yes
Dual Voltage Heater	Always Input Voltage
Safety Suction	Disabled

TP800 Panel Configuration and TP700 Notes

Button Layout Table

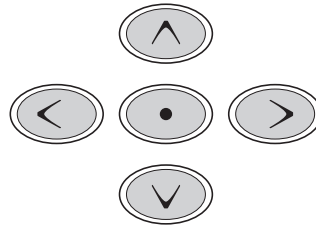
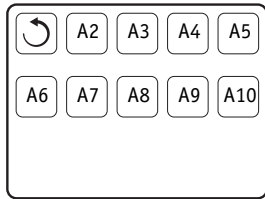
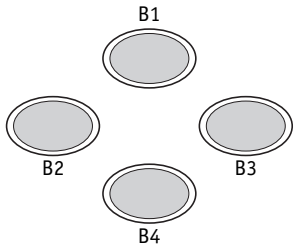
Feature #	Setup 1	Setup 2	Setup 3	Setup 4	Setup 5	Setup 6
A1	N/A	N/A	N/A	N/A	N/A	N/A
A2	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
A3	Jets 2	Jets 2	Blower	Blower	Light 1	Light 1
A4	Light 1	Light 1	Light 1	Light 1	Invert	Invert
A5	Invert	Invert	Invert	Invert	Undefined	(Circ Icon)
A6	Undefined	(Circ Icon)	Undefined	(Circ Icon)	Undefined	Undefined
A7	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A8	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A9	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A10	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A11	N/A	N/A	N/A	N/A	N/A	N/A
A12	N/A	N/A	N/A	N/A	N/A	N/A
A13	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A14	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A15	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A16	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
B1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
B2	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
B3	Jets 2	Jets 2	Blower	Blower	Undefined	Undefined
B4	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1

TP700

The TP700 works with all Setups on this system. It uses a different overlay depending on whether the number of Jet pumps is 1 or 2.

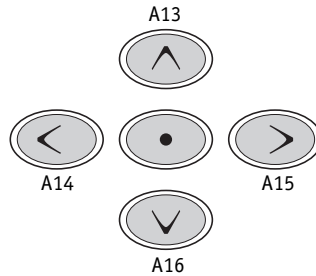
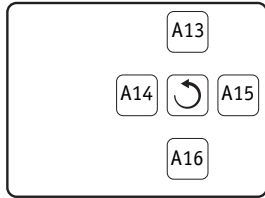
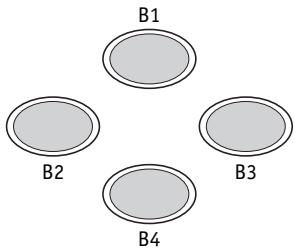
TP800 Panel Configuration

Spa Screen



Note: Button B2 is ALWAYS unused on TP800 when used with this system. A custom overlay will be required.

Shortcuts Screen



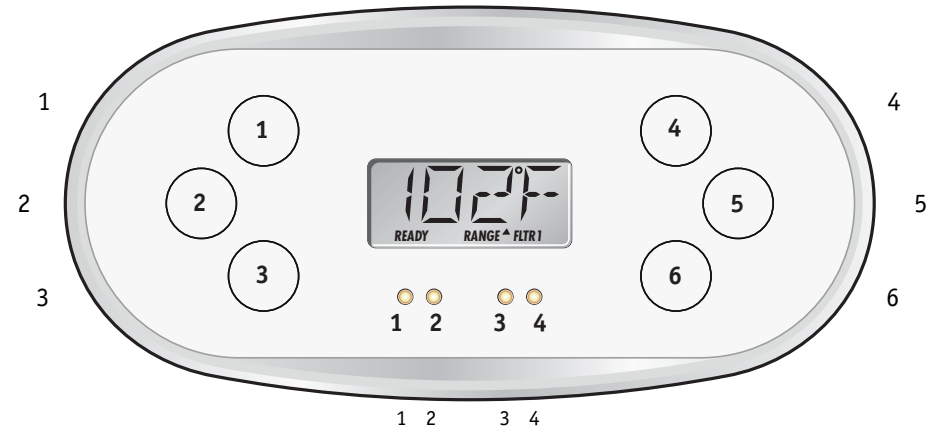
Note: Buttons 11 and 12 are not used in this configuration.

Button 1 is fixed.

TP600 Panel Configuration

Button Layout Table

Button #	Setup 1 & 2	Setup 3 & 4	Setup 5 & 6
1	Jets 1	Jets 1	Jets 1
2	Jets 2	Blower	Undefined
3	Invert	Invert	Invert
4	Up	Up	Up
5	Light 1	Light 1	Light 1
6	Down	Down	Down
LED 1	Jets 1	Jets 1	Jets 1
LED 2	Jets 2	Blower	Undefined
LED 3	Light 1	Light 1	Light 1
LED 4	Heat On	Heat On	Heat On



TP600

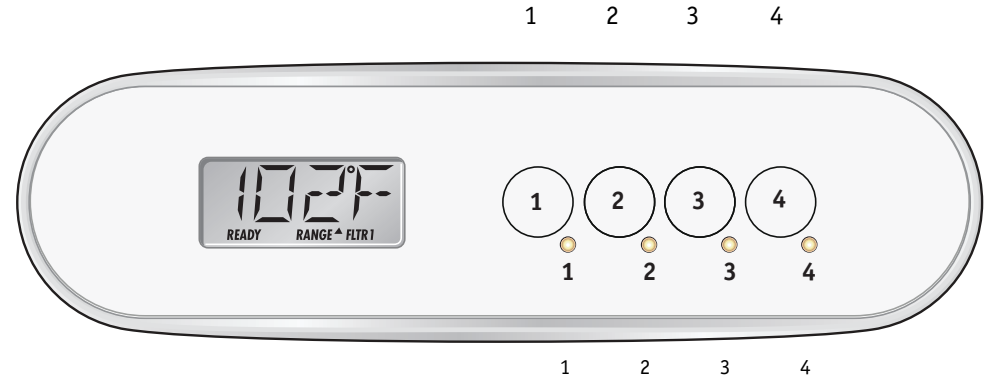
55676-XX

No Overlay

TP400/TP200 Panel Configuration

Button Layout Table for TP400T/TP200T

Button #	Setup 1 & 2	Setup 3 & 4	Setup 5 & 6
1	Temperature	Temperature	Temperature
2	Jets 1	Jets 1	Jets 1
3	Light 1	Light 1	Light 1
4	Jets 2	Blower	Undefined
LED 1	Heater ON	Heater ON	Heater ON
LED 2	Jets 1 ON	Jets 1 ON	Jets 1 ON
LED 3	Light ON	Light ON	Light ON
LED 4	Jets 2 ON	Blower ON	Undefined



TP400T CE

50260-XX

Includes overlay PN 12511.

TP200T

57281-XX with no overlay

57282-XX includes overlay PN 17325



Button Layout Table for TP400W/TP200W

Button #	All Setups
1	Up
2	Down
3	Light 1
4	Jets 1
LED 1	Heater ON
LED 2	Undefined
LED 3	Light ON
LED 4	Jets 1 ON

Use the TP400W/TP200W for setups that only have one pump (No Blower or Pump 2).

TP400W CE

50259-XX

Includes overlay PN 12510.

TP200W

57290-XX with no overlay

57283-XX includes overlay PN 17374

BP601 Configuration Options

Auxiliary Panel Features on Bank 1*

Feature	Default
Aux Button A1	Jets 1
Aux Button A2	Jets 2 in Setups 1 & 2 Blower in Setups 3 & 4 Undefined in Setups 5 & 6
Aux Button A3	Undefined
Aux Button A4	Light

Auxiliary Panel Features

*Bank 1 consists of J5 on the Main Circuit Board.

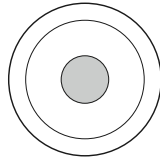
Aux Connection Splitter PN 25257 may be required.

Buttons that are assigned to equipment that is not defined in a Setup will not do anything in that Setup.

BP601 Configuration Options

AX10 Panels on Bank 1*

A1, AX10A1	No O/L	52803
A2, AX10A2	No O/L	52804
A3, AX10A3	No O/L	52805
A4, AX10A4	No O/L	52806

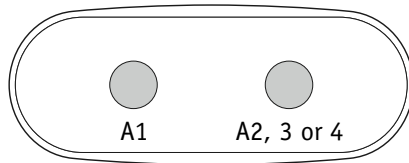


Call Customer Service for additional information about Auxiliary Panels.

*Bank 1 consists of J5 on the Main Circuit Board.
Aux Connection Splitter PN 25257 may be required.

AX20

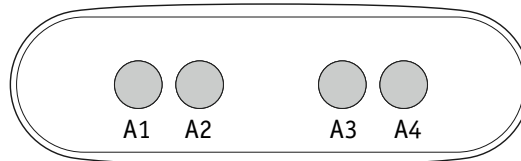
AX20 A1A2	No O/L	52800
AX20 A1A3	No O/L	52801
AX20 A1A4	No O/L	52802



AX20 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 or A4.

AX40

AX40	No O/L	52799
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AX40 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 and A4.

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. © Copyright 2009 Balboa Water Group.