BP20P4BC Tech Sheet

Customer: **Balboa Water Group**

Part Number: 56696-01   800 Incoloy 5.5kW
56697-01   825 Incoloy 5.5kW
56698-01   Titanium 5.5kW

Custom Box Overlay   ☐

Box Overlay Part Number   N/A

UL System Model: BP20-BP20P4BC-AU

Software Version ID: M100_220 V36.0

Software Version: 36.0

File Name: BP2000_36.0_BP20P4BC_TP6.hex

Configuration Signature: 3C9424DE

Eng. Project Number: 4776

Control Panels:

spaTouch™2   Any version (version 2.0 or later required for bba™2 fully integrated functionality)

Icon spaTouch™   Any version (version 3.36 or later required for bba™2 fully integrated functionality)

Menued spaTouch™   Any version (version 2.8 or later required for bba™2 integrated functionality)

TP900   Version 3.1 and later (Version 3.13 or later required for bba™)

TP800   Version 3.1 and later (Version 3.13 or later required for bba™; version 4.11 or later required for bba™2 integrated functionality)

TP600   Version 2.7 and later

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System Revision History

Part #	EPN	Date	Originator	Changes Made
ZT000125	4412	11-20-14	BWG	New generic BP2000 system, with 4 Pumps, plus optional Blower and optional Circ.
56696 56697 56698	4412	12-11-14	BWG	Release to production.
56696-01 56697-01 56698-01	4776	10-27-16	BWG	Updated to latest software version, adding topside-intergrated bba™2 support. Also added TP600 support. Released to production.

bba™ & bba™2 (Balboa Bluetooth Amp) connection is documented seperately.

bba™ is only integrated into graphic display panels (TP800, TP900 and spaTouch™). With TP600 the Aux button operation of bba™ must be used.

bba™2 is only integrated into graphic display panels (TP800, TP900 and spaTouch™). bba™2 does not support Aux button operation.

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Basic Functions Setup 1-8

Power Requirements:

240VAC, 50/60Hz*, 48A, Class A GFCI-protected service (Circuit Breaker = 60A max.),
4 wires [hot, hot, neutral, ground]

*BP systems automatically detect 50Hz vs 60Hz.

System Ouputs:

Pump 1	240VAC	2-Speed	12A max*	15-minute timer for High Speed, 15-Minute timer for Low Speed
		1-Speed in Setups 4 & 5		
	This is the heater pump in Setups 6-8			
	Must deliver 20 GPM through heater			
Pump 2	240VAC	2-Speed	12A max*	15-minute timer
		1-Speed in Setups 2-5, 7–8		
Pump 3	240VAC	1-Speed	10A max*	15-minute timer
Pump 4	240VAC	1-Speed	10A max*	15-minute timer
Blower	240VAC	1 Speed	5A max*	15-minute timer
		Unused in Setups 1, 3, 5, 6 & 8		
Circ Pump	120VAC**	1-Speed	2A max*	Programmable Filtration Cycles + Polling
	This is the heater pump in Setups 1–5			
	Must deliver 20 GPM through heater			
Ozone	120VAC**		.5A max*	Slaved to Circ Pump in Setups 1-5
				Independent in Setups 6-8
Spa Light	10VAC	On/Off	1A max	240-minute timer.
A/V (Stereo)	120VAC	Hot	5A max*	Always on
Heater	5.5kW @ 240VAC max			

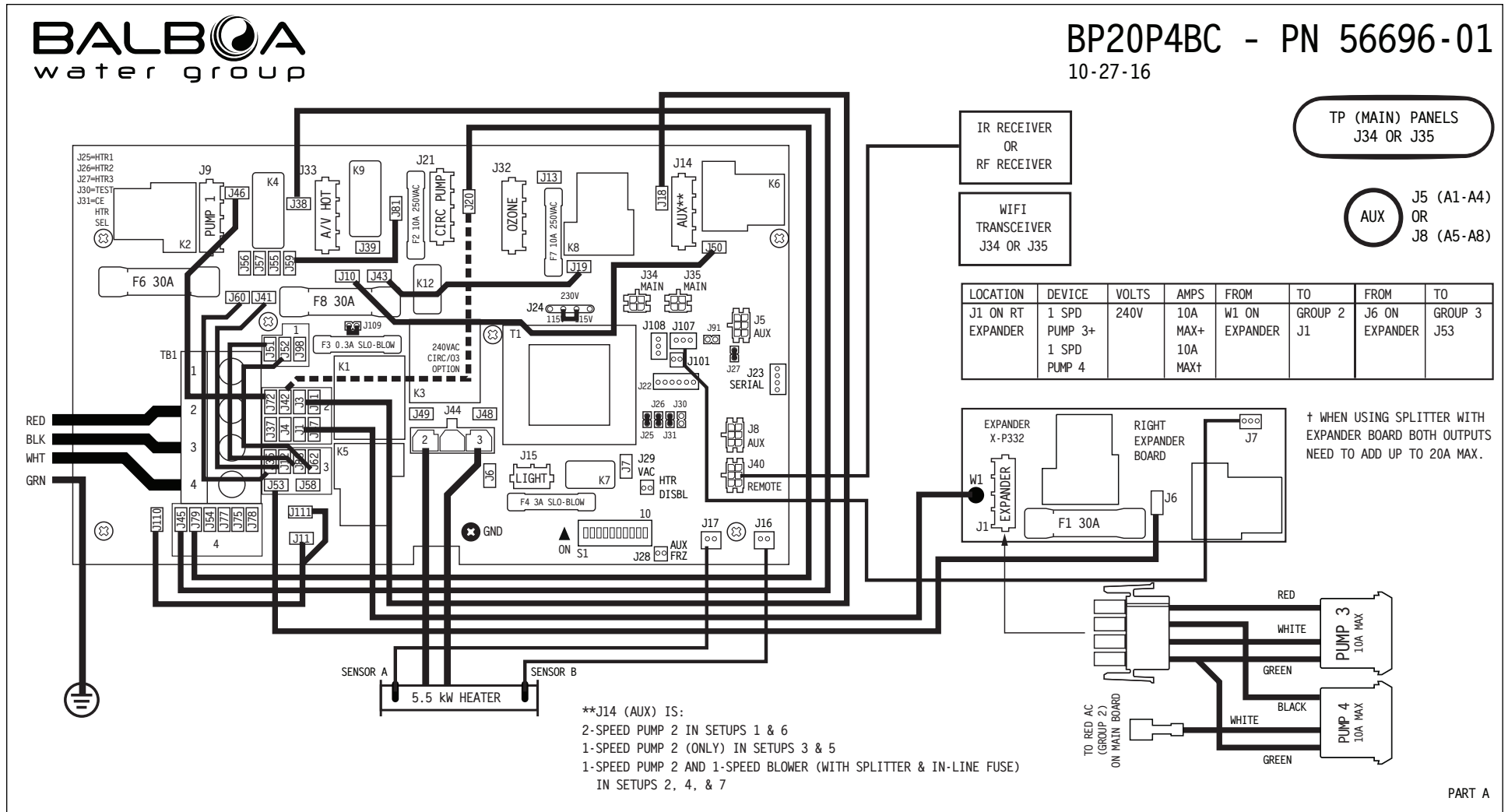* These are individual maximums but depending on the electrical services they may need to be reduced.

**Both the Circ pump and Ozone can be converted to 240V, however they will be the same voltage after conversion. (Both 120V or both 240V.)

BALB○A
w a t e r   g r o u p

Hardware Setup

Wiring Diagram

BALBOA water group

BP20P4BC - PN 56696-01
10-27-16

IR RECEIVER OR RF RECEIVER

WIFI TRANSCEIVER J34 OR J35

TP (MAIN) PANELS J34 OR J35

AUX — J5 (A1-A4) OR J8 (A5-A8)

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO	FROM	TO
J1 ON RT EXPANDER	1 SPD PUMP 3+ 1 SPD PUMP 4	240V	10A MAX+ 10A MAX†	W1 ON EXPANDER	GROUP 2 J1	J6 ON EXPANDER	GROUP 3 J53

† WHEN USING SPLITTER WITH EXPANDER BOARD BOTH OUTPUTS NEED TO ADD UP TO 20A MAX.

EXPANDER X-P332

RIGHT EXPANDER BOARD

F1 30A

J25=HTR1
J26=HTR2
J27=HTR3
J30=TEST
J31=CE
HTR SEL

PUMP 1

A/V HOT

CIRC PUMP

F2 10A 250VAC

OZONE

F7 10A 250VAC

AUX**

F6 30A

F8 30A

F3 0.3A SLO-BLOW

240VAC CIRC/O3 OPTION

230V
115 115V

MAIN MAIN

AUX

SERIAL

LIGHT

HTR DISBL

VAC

REMOTE

F4 3A SLO-BLOW

ON S1

AUX FRZ

RED
BLK
WHT
GRN

GND

SENSOR A

SENSOR B

5.5 kW HEATER

RED
WHITE
GREEN
PUMP 3 10A MAX

BLACK
WHITE
GREEN
PUMP 4 10A MAX

TO RED AC (GROUP 2) ON MAIN BOARD

**J14 (AUX) IS:
2-SPEED PUMP 2 IN SETUPS 1 & 6
1-SPEED PUMP 2 (ONLY) IN SETUPS 3 & 5
1-SPEED PUMP 2 AND 1-SPEED BLOWER (WITH SPLITTER & IN-LINE FUSE)
    IN SETUPS 2, 4, & 7

PART A

BALBOA water group

Hardware Setup

Settings

LOCATION	DEVICE	VOLTS	MAX AMPS	FROM	TO
J9	PUMP 1	240V	12A MAX	J46	J72-GROUP 2
J14	AUX	240V	12A MAX	J18	J3-GROUP 2
	AUX LINE 1 CONNECTION		J19,J50	J43,J10	
J15	SPA LIGHT	12V	1A		
J21	CIRC PUMP	120V*	2A MAX	J20	J79-GROUP 4
J32	OZONE		1A		
	CIRC AND OZONE LINE 1 CONNECTION		J81	J59	
J33	TV / AV	120V	3A	J38	J45-GROUP 4
J44	HEATER	240V	5.5 kW		

* FOR 240V CIRC PUMP AND OZONE, CONNECT J20 TO J42 (IN GROUP 2)

SETUP #	CIRC PUMP	PUMP 1	PUMP 2	PUMP 3	PUMP 4	BLOWER	TEMP SCALE
1	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	2-SPEED	1-SPEED	1-SPEED	NONE	°F
2	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	1-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
3	PROGRAMMABLE FILTRATION + POLLING	2-SPEED	1-SPEED	1-SPEED	1-SPEED	NONE	°F
4	PROGRAMMABLE FILTRATION + POLLING	1-SPEED	1-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
5	PROGRAMMABLE FILTRATION + POLLING	1-SPEED	1-SPEED	1-SPEED	1-SPEED	NONE	°F
6	NONE	2-SPEED	2-SPEED	1-SPEED	1-SPEED	NONE	°F
7	NONE	2-SPEED	1-SPEED	1-SPEED	1-SPEED	1-SPEED	°F
8	NONE	2-SPEED	1-SPEED	1-SPEED	1-SPEED	NONE	°F

INSTEAD OF SETUP #5, THIS SYSTEM IS CONFIGURED IN SETUP #:

TORQUE RANGE FOR MAIN TERMINAL BLOCK (TB1):
27-30 IN. LBS. (31.1-34.5 kg cm)

CONNECT ONLY TO CIRCUITS PROTECTED BY A CLASS A GFCI.

A DISCONNECTING MEANS MUST BE INSTALLED WITHIN SIGHT FROM
THE EQUIPMENT AND AT LEAST 5 FEET (1.52 M) FROM THE
INSIDE WALLS OF THE POOL, SPA, OR HOT TUB.

TOTAL OUTPUT AMP DRAW NOT TO EXCEED MAX INPUT RATING OF SPA
USE EARTH GROUND CONNECTIONS AS INDICATED INSIDE THE SYSTEM ENCLOSURE
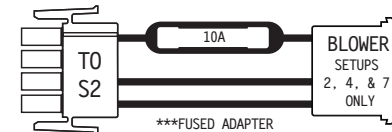
SWITCHBANK S1 OFF		A		SWITCHBANK S1 ON
TEST MODE OFF	◄	A1		TEST MODE ON
DON'T ADD 1 HS PUMP W/HTR		A2	►	ADD 1 HS PUMP WITH HEAT
DON'T ADD 2 HS PUMPS W/HTR	◄	A3		ADD 2 HS PUMPS WITH HEAT
DON'T ADD 4 HS PUMPS W/HTR	◄	A4		ADD 4 HS PUMPS WITH HEAT
SPECIAL AMPERAGE RULE A	◄	A5		SPECIAL AMPERAGE RULE B
STORE SETTINGS**	◄	A6		MEMORY RESET**
1 MIN HTR COOLDOWN (ELEC)	◄	A7		5 MIN HTR COOLDOWN (GAS)
NOT ASSIGNED	◄	A8		NOT ASSIGNED
NOT ASSIGNED	◄	A9		NOT ASSIGNED
NOT ASSIGNED	◄	A10		NOT ASSIGNED

** SWITCH # 6 SHOULD BE SET TO OFF UPON FINAL INSTALLATION.
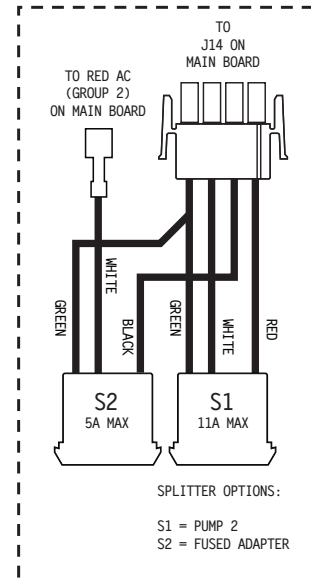
USE COPPER CONDUCTORS ONLY.
EMPLOYER UNIQUEMENT DES CONDUCTEURS DE CUIVRE.
#6 AWG MIN. WIRE = 90°

FOR SUPPLY CONNECTIONS, USE CONDUCTORS SIZED ON THE BASIS OF
60°C AMPACITY BUT RATED MINIMUM OF 90°C.

TO J14 ON MAIN BOARD

TO RED AC (GROUP 2) ON MAIN BOARD

WHITE
GREEN
BLACK
GREEN
WHITE
RED

S2
5A MAX

S1
11A MAX

SPLITTER OPTIONS:

S1 = PUMP 2
S2 = FUSED ADAPTER

OPTIONAL BP2X-WIRE KIT 30893.

TO S2

10A

BLOWER
SETUPS
2, 4, & 7
ONLY

***FUSED ADAPTER

Balboa water group

BP20P4BC - PN 56696-01
03-02-20

PART B

Balboa water group

Setup Reference Table

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

System (and any replacement board) **is shipped in Setup 5**

Color Key	Output
(blue)	XP332 and Splitter
(green)	J14 (Aux) and splitter and in-line Blower fuse
(yellow)	J14 (Aux) on Main Board

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Changing Software Setups with TP800 / TP900 / spaTouch™ Menued Panel

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.

ON ▶
1
10
S1
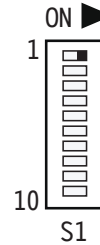
Software Setups

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.

102°F   High Range

Set: **104°F**   **Spa**
8:32 PM   **Shortcuts**
Ozone   **Settings**
Filter 1   **Test** ▶

Ready in Rest Mode
Heating
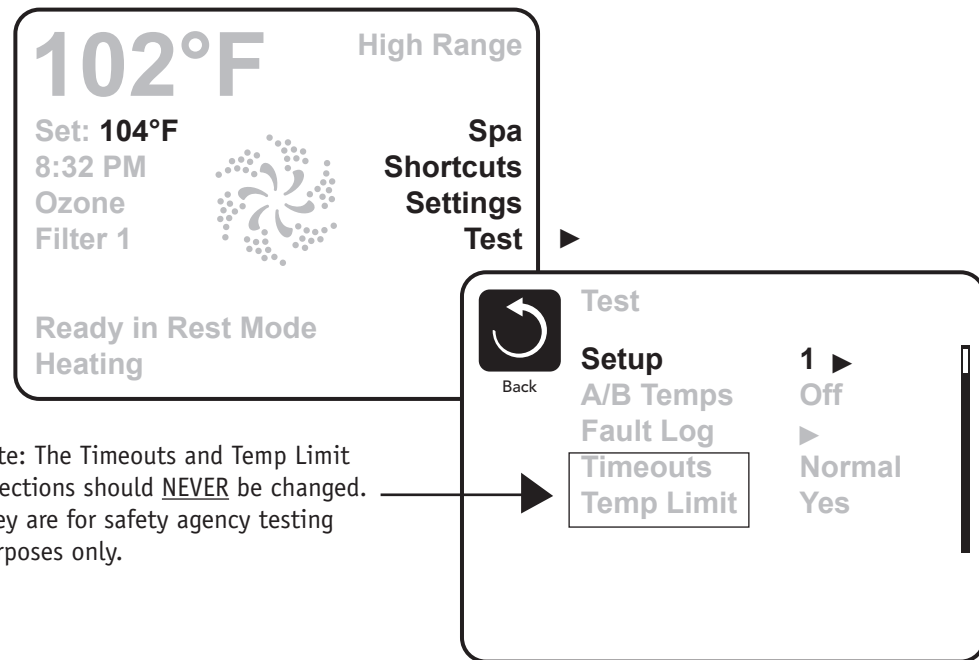
Note: The Timeouts and Temp Limit selections should <u>NEVER</u> be changed. They are for safety agency testing purposes only.

Test

Back

Setup   **1** ▶
A/B Temps   Off
Fault Log   ▶
Timeouts   Normal
Temp Limit   Yes

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Equipment Expansion

Expansion Features

Control Connection	Default	Fuse
Relay 1 (J101)	Undefined	None
Relay 7/8 (J107)	See Below	30A
	1-Speed Pump 3 And 1-Speed Pump 4 (With Splitter)	
Relay 9/10 (J108)	Undefined	None

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DIP Switch Functions

Fixed-fuction 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.

A4   In "ON" position, add four high-speed pumps (or 3 HS Pumps 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).

ON ▶
1
10
S1
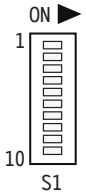
A2, A3, and A4 work in combination to determine the number of high-speed devices and blowers that can run before the heat is disabled. i.e. A2 and A3 in the ON position and A4 in the OFF position will allow the heater to operate with up to 3 high-speed pumps (or two HS Pumps and Blower) running at the same time. Heat is disabled when the fourth high-speed pump or blower is turned on.
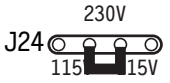
Note: A2/A3/A4 all off = No heat with any high-speed pump or blower.

Assignable DIP Switches

A7   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.

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Jumper Definitions

J109	GFCI Test/Trip Enable/Disable	J109
	Note: This feature must be enabled in software as well.	
J91	Real Time Clock Enable/Disable	J91
	Note: This Jumper should NOT be shorted when the Control Panel can display time of day.	
J30	Do Not Use	
J31	Non Applicable on UL models	J31
	(Used on CE models only)	
J29	Heater Disable Switch Connection. If J29 is shorted by any means, the heater will not run until J29 is no longer shorted.	J29

If J29 is shorted during power-up "J29" will appear on the panel.
The message can be dismissed with a button press, and is the only control panel notification of J29 being shorted.
No message is displayed if J29 is shorted after power-up, but the heater will not run until J29 is no longer shorted.

J29 expects a switch closure (not a voltage) as the command signal.

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.

J25, J26, J27	Heater Type Settings.	J27
	Note: Factory Configured do not change.	J25 J26
J24	Jumper on center two pins (230V) when heater is running at 240V.	230V
	Two Jumpers installed; one on left 2 pins and one on right 2 pins (115V) when heater is running at 120V.	J24
		115 15V

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.

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Replacement Parts

PCBA:
Main PCBA: 56699-01
Expander PCBA: 55137

HEATER(s):
Plug + Click Heater Kit: 58306 5.5kW 800 Inc
                                       58307 5.5kW 825 Inc
                                       58308 5.5kW Titanium
Temp Sensor Kit: 53605

CABLES: 25093 P3/P4 Adapter

FUSES:

Part Number	Amperage	Location
30136	30A	F6, F8, F1 (Expander)
20600	3A	F4
21581	3/10A	F3
30122	10A	F2, F7

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BP2000 Configuration Options

General Features

Feature	Default
Pump 1 in Filter Cycle (Circ Only)	No
Pump 1 Low Timer	*15 Minutes*
General Pump Timer	15 Minutes
Blower Timer	15 Minutes
Mister Timer	15 Minutes
Light Timer	240 Minutes
Circ (when enabled)	Programmable + Polling
Cleanup Cycle	*30 Minutes*
Cleaup as Preference setting	*Yes*
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.

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BP2000 Configuration Options

Temperature Features

Feature	Default
Temperature Display	°F

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

Feature	Default
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)

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BP2000 Configuration Options

Time Features

Feature	Default
Time Format*	12 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)

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BP2000 Configuration Options

Reminder Features

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

May be changed by end-user (if enabled)

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BP2000 Configuration Options

Special Features

Feature	Default
Special Amperage Rule A	No Limitation
Special Amperage Rule B	3 high-speed pumps max. Blower turns off with 3 high speed pumps
Drain Mode	Disabled
Demo Mode	Disabled
GFCI Trip	Enabled
Automatic GFCI Test	Disabled
Ozone Slaved to Heater Pump	*Yes in circ setups* *No in non-circ setups*
Dual Voltage Heater	Always Input Voltage
Safety Suction	Disabled

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TP600 Panel Configuration

Button Layout Table

Button #	Setups 1 - 8
1	Jets 1
2	Jets 2
3	Jets 3
4	Temperature
5	Light 1
6	Jets 4
LED 1	Jets 1
LED 2	Jets 2
LED 3	Light 1
LED 4	Heat On
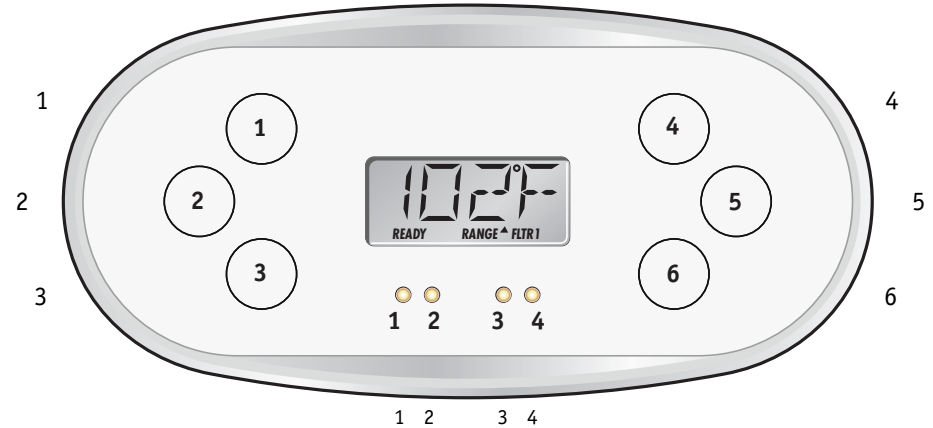
In all Setups, the button labeled "AUX" on overlay 13579 (shown below) controls Jets 4.

In Setups 2, 4, 7 (which have a Blower), an AX10A3 auxiliary panel plugged into J5 (Bank 1) must be used to control the Blower.

TP800 Panel Configuration

Button Layout Table

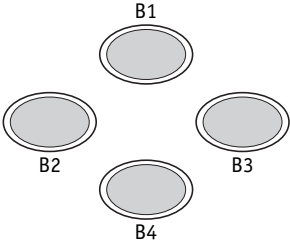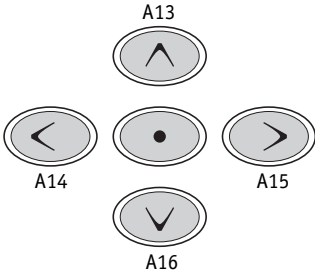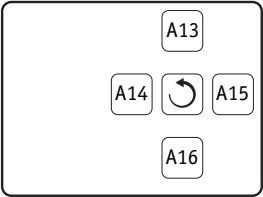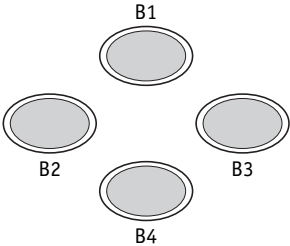| Feature #	Blower & Circ Setups 2 & 4	NO Blower & Circ Setups 1, 3, & 5	Blower & No Circ Setup 7	NO Blower & No Circ Setups 6 & 8
A1	N/A	N/A	N/A	N/A
A2	Jets 1	Jets 1	Jets 1	Jets 1
A3	Jets 2	Jets 2	Jets 2	Jets 2
A4	Jets 3	Jets 3	Jets 3	Jets 3
A5	Jets 4	Jets 4	Jets 4	Jets 4
A6	Blower	Light 1	Blower	Light 1
A7	Light 1	Invert	Light 1	Invert
A8	Invert	(Circ Icon)	Invert	Undefined
A9	(Circ Icon)	Undefined	Undefined	Undefined
A10	Undefined	Undefined	Undefined	Undefined
A11	N/A	N/A	N/A	N/A
A12	N/A	N/A	N/A	N/A
A13	Jets 1	Jets 1	Jets 1	Jets 1
A14	Jets 2	Jets 2	Jets 2	Jets 2
A15	Jet 3	Jet 3	Jet 3	Jet 3
A16	Jet 4	Jet 4	Jet 4	Jet 4
B1	Jets 1	Jets 1	Jets 1	Jets 1
B2	Jets 2	Jets 2	Jets 2	Jets 2
B3	Blower	Jets 3	Blower	Jets 3
B4	Light 1	Light 1	Light 1	Light 1

Overlay Part Number 12512.

Button labled "AUX" controls Blower in Setups 2, 4, & 7, and controls Jets 3 in all other Setups.

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TP800 Panel Configuration

Spa Screen

B1

B2   B3

B4

| ↺ | A2 | A3 | A4 | A5 |
| A6 | A7 | A8 | A9 | A10 |

∧
< • >
∨

Shortcuts Screen

B1

B2   B3

B4

A13

A14 ↺ A15

A16

A13
∧
A14 < • > A15
∨
A16
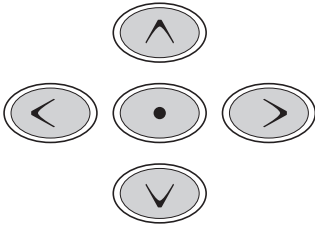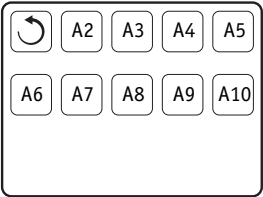
Note: *Buttons 11 and 12 are not used in this configuration.*

Button 1 is fixed.

A Circ Icon will appear when a Circ Pump is configured.

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TP900 Panel Configuration

Button Layout Table

Feature #	Blower & Circ Setups 2 & 4	NO Blower & Circ Setups 1, 3, & 5	Blower & No Circ Setup 7	NO Blower & No Circ Setups 6 & 8
A1	N/A	N/A	N/A	N/A
A2	Jets 1	Jets 1	Jets 1	Jets 1
A3	Jets 2	Jets 2	Jets 2	Jets 2
A4	Jets 3	Jets 3	Jets 3	Jets 3
A5	Jets 4	Jets 4	Jets 4	Jets 4
A6	Blower	Light 1	Blower	Light 1
A7	Light 1	Invert	Light 1	Invert
A8	Invert	(Circ Icon)	Invert	Undefined
A9	(Circ Icon)	Undefined	Undefined	Undefined
A10	Undefined	Undefined	Undefined	Undefined
11	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A
13	Jets 1	Jets 1	Jets 1	Jets 1
14	Jets 2	Jets 2	Jets 2	Jets 2
15	Jets 3	Jets 3	Jets 3	Jets 3
16	Jet 4	Jet 4	Jet 4	Jet 4

A Circ Icon will appear when a Circ Pump is configured.

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TP900 Panel Configuration

Button #
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Spa Screen
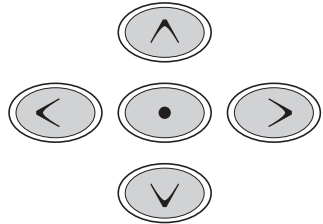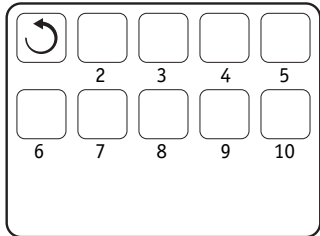
Shortcuts Screen
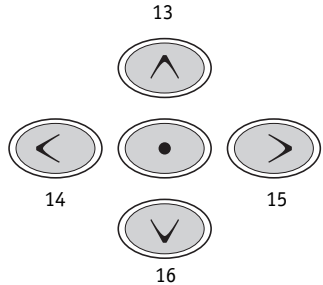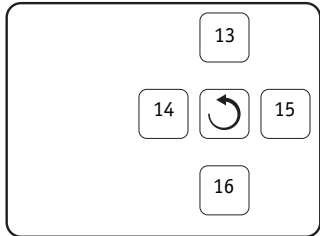
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BP2000 Configuration Options

Auxilliary Panel Features on Bank 1*

Feature	Default
Aux Button A1	Jets 1
Aux Button A2	Jets 2
Aux Button A3	Blower
Aux Button A4	Light

Auxilliary Panel Features on Bank 2*

Feature	Default
Aux Button A5	Jets 1
Aux Button A6	Jets 2
Aux Button A7	Jets 3
Aux Button A8	*Jets 4*

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

Bank 2 consists of J8 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.

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BP2000 Configuration Options

Auxilliary Panel Features

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

AX10 Panels on Bank 2*

A5, AX10A1	No O/L	52803
A6, AX10A2	No O/L	52804
A7, AX10A3	No O/L	52805
A8, AX10A4	No O/L	52806

AX20

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

A1   A2, 3 or 4

AX40

AX40	No O/L	52799

A1   A2   A3   A4
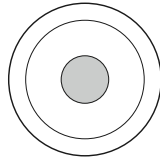
**Call Customer Service for
additional information about Auxiliary Panels.**

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

Bank 2 consists of J8 on the Main Circuit Board.

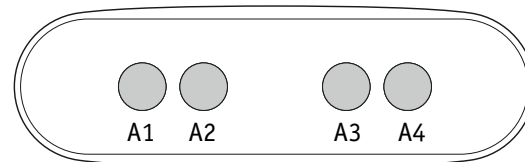**Aux Connection Splitter PN 25257 may be required.**
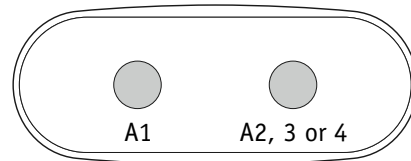
AX20 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 or A4.

AX20 Auxiliary Panel plugged into Bank 2 will operate A5 + A6, A7 or A8.

AX40 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 and A4.

AX40 Auxiliary Panel plugged into Bank 2 will operate A5 + A6, A7 and A8.

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BP2000 Configuration Options

Remote Panel Features

Feature	Default
Remote Button A1	Jets 1
Remote Button A2	Jets 2
Remote Button A3	*Undefined*
Remote Button A4	*Jets 3*
Remote Button A5	*Jets 4*
Remote Button A6	Undefined
Remote Button A7	Undefined
Remote Button A8	Undefined
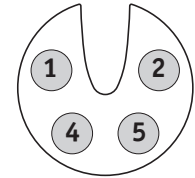
Buttons that are assigned to equipment that is
not defined in a Setup will not do anything in that Setup.

Remote Panel Part Number _____

Overlay Part Number _____

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