BP21MS2B Tech Sheet

Customer:	Balboa Water Group									
Part Number:	56629 800 Incoloy 3kW									
	56630 825 Incoloy 3kW									
	56631 Titanium 3kW									
	_									
Custom Box Overlay										
Box Overlay Part Number	N/A									
CE System Model:	BP21-BP21MS2B-RCA3.0K									
Software Version ID:	M100_225 V20.0									
Software Version:	20.0									
File Name:	BP2100_20.0_BP21MS2B.hex									
Configuration Signature:	ECFE0C23									
Eng. Project Number:	4272									
Base PCBA:	56632									
Control Panels:										
TP600CE	version 2.7 or later									
TP600 (non-CE) should no										
TP800	version 3.1 or later (Version 3.13 or later required for bba [™])									
TP900	version 3.1 or later (Version 3.13 or later required for bba™)									



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.



Template 56377 10-05-12

56629/56630/56631_97_A 05-01-14

System Revision History

Part #	EPN	Date	Originator	Changes Made
ZT000092	4272	04-23-14	BWG	New generic MicroSilk [®] system, with up to 2 Pumps, plus optional Blower and optional Circ.
56629 56630 56631	4272	05-01-14	BWG	Released to production.

bba[™] (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.



Basic Functions Setup 1-16

Power Requirements:

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

Dual Service N/A

3-Service [5 wires (line 1, line 2, line 3, neutral, ground)] 400VAC, 50/60Hz^{*}, 3þ, 16A, (Circuit Breaker rating = 20A max each phase line.)

IMPORTANT - Service must include a neutral wire, with a line to neutral voltage of 230VAC.

*BP systems automatically detect 50Hz vs 60Hz.

Migrating From BP21MSSH:

If you are migrating from the BP21MSSH model to this BP21MS2B model, this chart shows how the Setup numbering has changed between these 2 models.

BP21MSSH Setup #	BP21MS2B Setup #
1	2
2	4
3	8
4	12
5	14
6	16



System Ouputs:

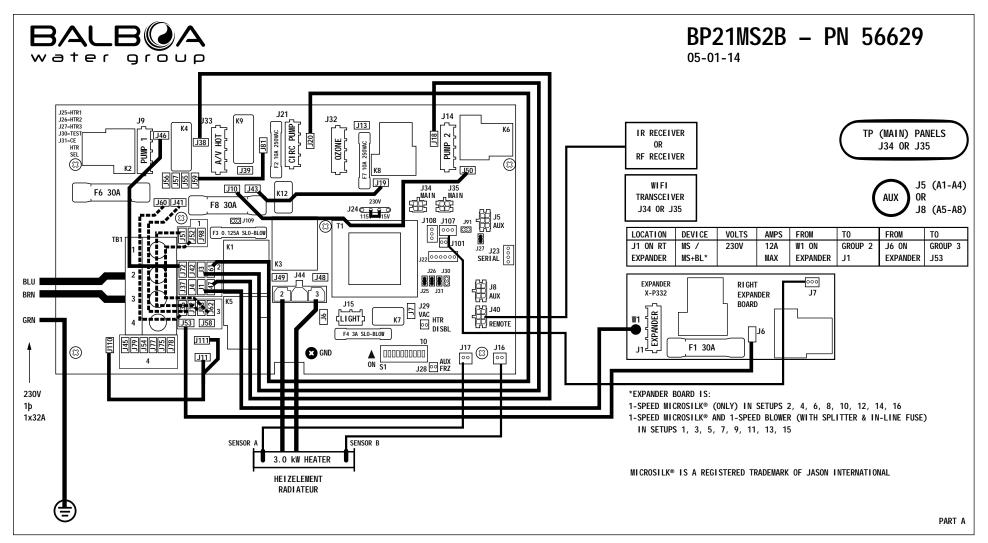
Pump 1		heater pump	12A max 1 Setups 5, 6, 9 1 in Setups 11– 1 rough heater	
Pump 2	230VAC	2-Speed 1-Speed ir	•	
MicroSilk®	230VAC	1-Speed	8A max	30-minute timer
Blower	230VAC	1 Speed Unused in		15-minute timer , 8, 10, 12, 14, 16
Circ Pump	This is the	• •	2A max in Setups 1–1 rough heater	Programmable Filtration Cycles + Polling 0
Ozone	230VAC		.5A max	Slaved to Circ Pump in Setups 1–10 Independent in Setups 11–16
Spa Light	10VAC	0n/0ff	1A max	240-minute timer.
A/V (Stere	eo) 230VAC	Hot	5A max	Always on
Heater	3.0kW @ 2	40VAC max		

MicroSilk® is a registered trademark of Jason International



Hardware Setup

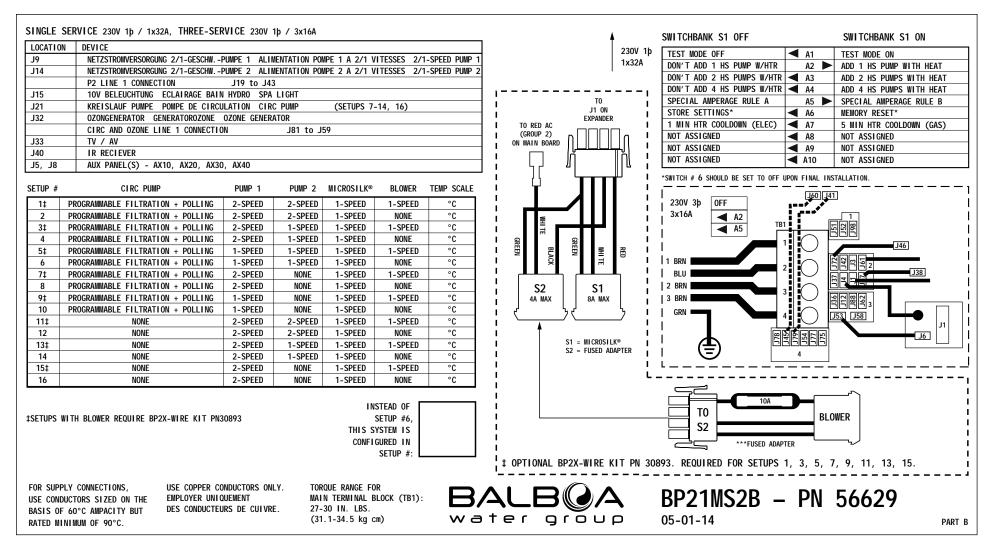
Wiring Diagram





Hardware Setup

Settings





Setup Reference Table

Setup #	Circ Pump	Pump 1	Pump 2	MicroSilk®	Blower	Temp Scale
1	Programmable Filtration + Polling	2-Speed	2-Speed	1-Speed	1-Speed	°C
2	Programmable Filtration + Polling	2-Speed	2-Speed	1-Speed	None	°C
3	Programmable Filtration + Polling	2-Speed	1-Speed	1-Speed	1-Speed	°C
4	Programmable Filtration + Polling	2-Speed	1-Speed	1-Speed	None	°C
5	Programmable Filtration + Polling	1-Speed	1-Speed	1-Speed	1-Speed	°C
6	Programmable Filtration + Polling	1-Speed	1-Speed	1-Speed	None	°C
7	Programmable Filtration + Polling	2-Speed	None	1-Speed	1-Speed	°C
8	Programmable Filtration + Polling	2-Speed	None	1-Speed	None	°C
9	Programmable Filtration + Polling	1-Speed	None	1-Speed	1-Speed	°C
10	Programmable Filtration + Polling	1-Speed	None	1-Speed	None	°C
11	None	2-Speed	2-Speed	1-Speed	1-Speed	°C
12	None	2-Speed	2-Speed	1-Speed	None	°C
13	None	2-Speed	1-Speed	1-Speed	1-Speed	°C
14	None	2-Speed	1-Speed	1-Speed	None	°C
15	None	2-Speed	None	1-Speed	1-Speed	°C
16	None	2-Speed	None	1-Speed	None	°C

System (and any replacement board) is shipped in Setup 6

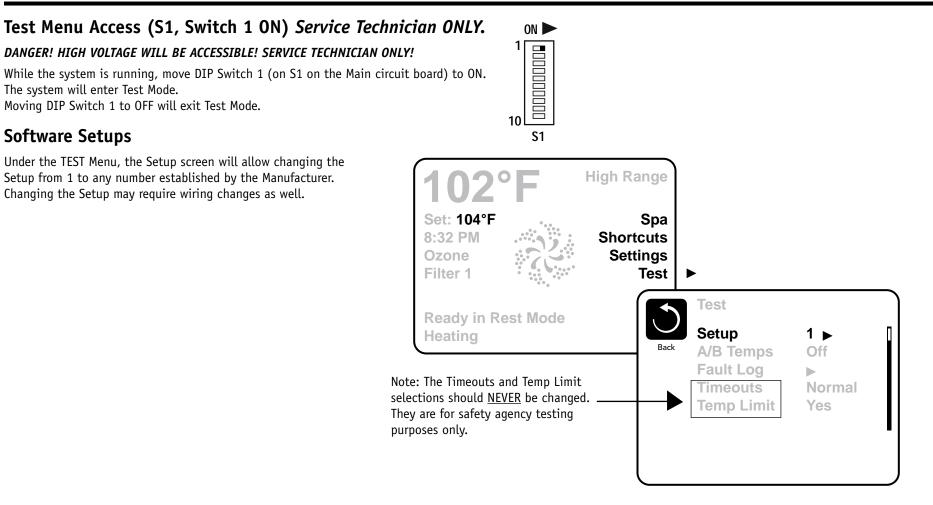
Color Key	Output										
	XP332										
	XP332 and Splitter and in-line Blower fuse										
	J14 (Aux) on Main Board										

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 2012 Balboa Water Group.



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



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 2012 Balboa Water Group.

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BALB A

Changing Software Setups with TP600/400

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.)

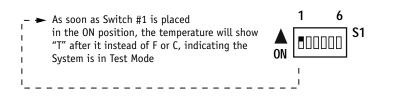


When the panel displays RUN PMPS PURG AIR, press any Temperature button ONCE to exit Priming Mode. You should see "---T" where the T indicates the system is in Test Mode.



Continued on Next Page.





Changing Software Setups with TP600/400 Continued

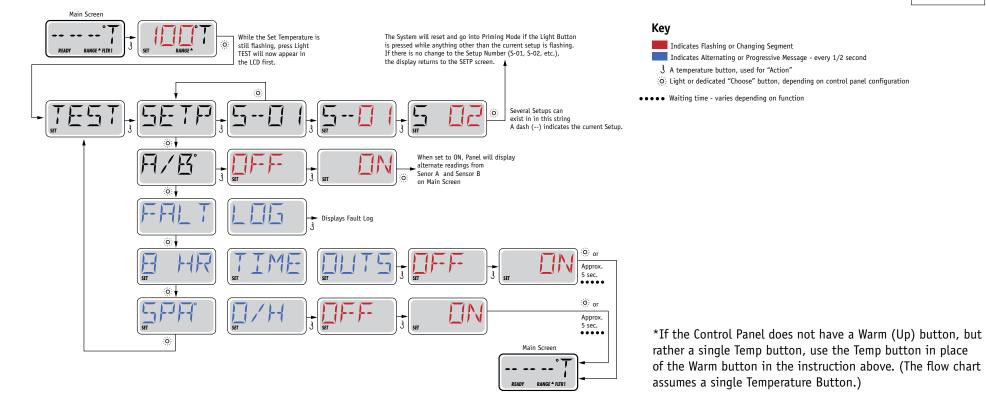
Again, You will have 1 minute to complete the setup change after you manually exit Priming Mode.

Immediately after exiting Priming Mode, press this sequence of buttons: Warm*, Light, Warm, Warm, Warm. Continue to press Warm until the diplay 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.



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.



THIS SYSTEM IS

CONFIGURED AS SETUP #

Equipment Expansion

Expansion Features		
Control Connection	Default	Fuse
Relay 1 (J101)	Undefined	None
Relay 7/8 (J107)	See Below	30A
		ıly) In Setups 2, 4, 6, 8, 10, 12, 14, 16 d 1-Speed Blower (With Splitter & In-Line Fuse) In Setups 1, 3, 5, 7, 9, 11, 13, 15
Relay 9/10 (J108)	Undefined	None

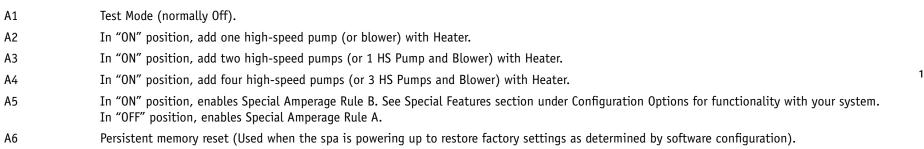
Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 7030343, 7,417,834 b2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending.



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DIP Switch Functions

Fixed-fuction DIP Switches



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.

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.



ON 🕨

S1

Jumper Definitions

J109	Non Applicable on CE models	J109 🖸
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	Jumper on 1 pin with 2.0kW or smaller heater	J31 🚱
	Jumper on 2 pins with a 3.0kW or higher heater	721 2
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.	<u> , , , , , , , , , , , , , , , , , , ,</u>
	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 installe	d in conjunction with the spa.
 J25, J26, J27	Heater Type Settings.	J27
	Note: Factory Configured do not change.	J25 F1 F1 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 <u>0 0 0</u> 115 15V
Warning!		
Se	tting DIP switches or jumpers incorrectly may cause abnormal system behavior and/or damage to system components.	
	fer to Switchbank illustration on Wiring Configuration page for correct settings for this system.	
	ntact Balboa if you require additional configuration pages added to this tech sheet.	

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.



56629/56630/56631_97_A 05-01-14

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
MicroSilk [®] Timer	30 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/MicroSilk® 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.

Blue Indicates New Custom Configuration Default (Setup 1)



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.

° <i>C</i>	4	5	6	7	8	9	10	11	12	13	14	15	16	17	<i>18</i>	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	<u>28</u>	29	30	31	<u>32</u>	33	34	35	36	37	38	<u>39</u>	40	
°F	73	75	77	79	81	82	84	86	88	90	91	93	95	97	99	100	102	104	
Hi-Ra	ange I	4in.S	et Tei	mp				80°F											
Hi-Ra	ange I	lax. S	Set Te	mp				104°	F										
Hi-Ra	ange [Defaul	lt Tem	ıp*				100°	F										
Lo-Ra	ange l	Min. S	Set Te	mp				50°F											
Lo-Ra	ange l	Max. S	Set Te	mp				99°F											
Lo-Ra	ange l	Defau	lt Tem	ıp*				70°F											
Freez	e Thr	esholo	d					44°F											
Freez	е Тур	е						Rotat	ting -	Pump	s at L	owest	Spee	d					
Temp	Lock	Туре						Temp	+ Set	tings									

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

Blue Indicates New Custom Configuration Default (Setup 1)



. .

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 A	
Cooling Time B	5 Minutes

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

Blue Indicates New Custom Configuration Default (Setup 1)



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)

Blue Indicates New Custom Configuration Default (Setup 1)



Feature	Default
Special Amperage Rule A	No Limitation
Special Amperage Rule B	2 high-speed pumps max. Blower and MicroSilk $^{\ensuremath{\$}}$ turn off with 2 high speed pump
Drain Mode	Disabled
Demo Mode	Disabled
GFCI Trip	Not Applicable for CE Models
Ozone Slaved to Heater Pump	Yes in circ setups No in non-circ setups
Dual Voltage Heater	Always Input Voltage
Safety Suction	Disabled



TP600 Panel Configuration

Button Layout Table

Button #	Pump 2No Pump 2,Setups 1 - 6,Blower		No Pump 2, No Blower	
	11 - 14	Setups 7, 9, 15	Setups 8, 10, 16	
1	Jets 1	Jets 1	Jets 1	
2	Jets 2	Blower	Unused	
3	MicroSilk®	MicroSilk®	MicroSilk®	
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	Unused	
LED 3	Light 1	Light 1	Light 1	
LED 4	Heat On	Heat On	Heat On	

* When using setups in column 1, which operate both a Pump 2 AND a Blower, Pump 2 is on the main panel (Button2) and Blower must be operated with an Auxilliary Panel - AX10A3 on Bank 1 (J5).

See Page 21.



TP600CE

Panel 50437 or later - Includes Overlay 13142 – can be used with all Setups. TP600 (non-CE) should not be used.



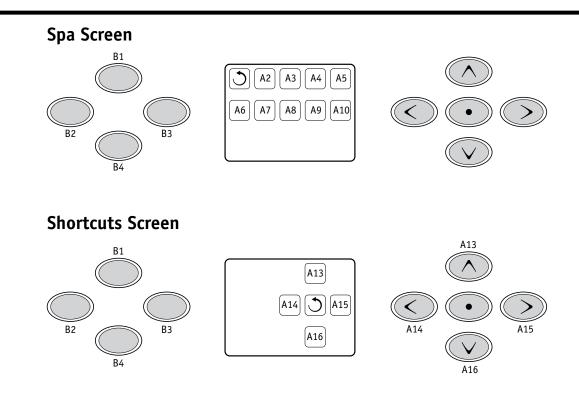


TP800 Panel Configuration

Button Layout Table

Feature #	Pump 2, Blower & Circ	NO Pump 2, Blower & Circ	Pump 2, NO Blower & Circ	NO Pump 2, NO Blower & Circ	Pump 2, Blower & NO Circ	NO Pump 2, Blower & NO Circ	Pump 3, NO Bl & NO Circ	NO Pump 2, NO Bl & NO Circ
	Setups 1, 3, 5	Setups 7, 9	Setups 3, 4, 6	Setups 8, 10	Setups 11, 13	Setup 15	Setups 12, 14	Setup 16
A1	N/A	N/A	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	Jets 1	Jets 1
A3	Jets 2	Blower	Jets 2	MicroSilk®	Jets 2	Blower	Jets 2	MicroSilk®
A4	Blower	MicroSilk®	MicroSilk®	Light 1	Blower	MicroSilk®	MicroSilk®	Light 1
A5	MicroSilk®	Light 1	Light 1	Invert	MicroSilk®	Light 1	Light 1	Invert
A6	Light 1	Invert	Invert	(Circ Icon)	Light 1	Invert	Invert	Undefined
A7	Invert	(Circ Icon)	(Circ Icon)	Undefined	Invert	Undefined	Undefined	Undefined
A8	(Circ Icon)	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A9	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A10	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
A11	N/A	N/A	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	N/A	N/A
A13	Jets 1	Undefined	Undefined	Undefined	Jets 1	Undefined	Undefined	Undefined
A14	Jets 2	Undefined	Undefined	Undefined	Jets 2	Undefined	Undefined	Undefined
A15	Blower	Undefined	Undefined	Undefined	Blower	Undefined	Undefined	Undefined
A16	Light	Undefined	Undefined	Undefined	Light	Undefined	Undefined	Undefined
B1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
B2	Jets 2	Blower	Jets 2	Undefined	Jets 2	Blower	Jets 2	Undefined
B3	MicroSilk®	MicroSilk®	MicroSilk®	MicroSilk®	MicroSilk®	MicroSilk®	MicroSilk®	MicroSilk®
B4	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1





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.



TP800 Panel Configuration

TP800

Panel 50438 or later - Includes Overlay 13141 - can be used with all Setups.



Panel 50318-03 - Includes Overlay 12719 - can be used with Setups 1-6 and 11-14.





TP900 Panel Configuration

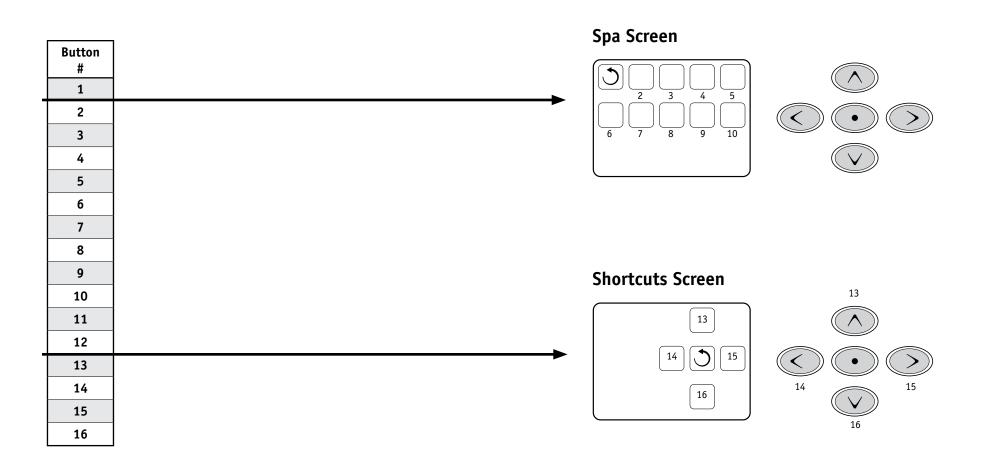
Button Layout Table

Button #	Pump 2, Blower & Circ	NO Pump 2, Blower & Circ	Pump 2, NO Blower & Circ	NO Pump 2, NO Blower & Circ	Pump 2, Blower & NO Circ	NO Pump 2, Blower & NO Circ	Pump 3, NO Bl & NO Circ	NO Pump 2, NO Bl & NO Circ
	Setups 1, 3, 5	Setups 7, 9	Setups 3, 4, 6	Setups 8, 10	Setups 11, 13	Setup 15	Setups 12, 14	Setup 16
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
3	Jets 2	Blower	Jets 2	MicroSilk®	Jets 2	Blower	Jets 2	MicroSilk®
4	Blower	MicroSilk®	MicroSilk®	Light 1	Blower	MicroSilk®	MicroSilk®	Light 1
5	MicroSilk®	Light 1	Light 1	Invert	MicroSilk®	Light 1	Light 1	Invert
6	Light 1	Invert	Invert	(Circ Icon)	Light 1	Invert	Invert	Undefined
7	Invert	(Circ Icon)	(Circ Icon)	Undefined	Invert	Undefined	Undefined	Undefined
8	(Circ Icon)	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
9	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
10	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
14	Jets 2	Blower	Jets 2	MicroSilk®	Jets 2	Blower	Jets 2	MicroSilk®
15	MicroSilk®	MicroSilk®	MicroSilk®	Light	MicroSilk®	MicroSilk®	MicroSilk®	Light
16	Light	Light	Light	Invert	Light	Light	Light	Invert

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



TP900 Panel Configuration



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 2012 Balboa Water Group.



Template 56377 10-05-12

Light

Auxilliary Panel Features on Bank 1*

Default
Jets 1
Jets 2
Blower
Light

Auxilliary Panel Features on Bank 2*FeatureDefaultAux Button A5Jets 1Aux Button A6Jets 2Aux Button A7MicroSilk®

*Bank 1 consists of J5 on the Main Circuit Board. Bank 2 consists of J8 on the Main Circuit Board. Aux Connection Splitter PN25257 may be required.

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

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.



Template 56377 10-05-12

Aux Button A8

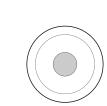
Auxilliary Panel Features

AX10 Panels on Bank 1*

A1, AX10A1 No 0/L 52803 A2, AX10A2 No 0/L 52804 A3, AX10A3 No 0/L 55805 A4, AX10A4 No 0/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





Call Customer Service for additional information about Auxiliary Panels.

Auxiliary Panel Part Number **Overlay Part Number**

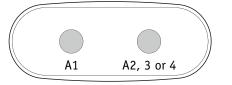
*Bank 1 consists of J5 on the Main Circuit Board. Bank 2 consists of J8 on the Main Circuit Board. Aux Connection Splitter PN25257 may be required.

AX20

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

No 0/L

52799



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

AX40

A1 A2 Α3 Α4

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.

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 2012 Balboa Water Group.

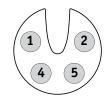


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Remote Panel Features

Feature	Default
Remote Button A1	Jets 1
Remote Button A2	Jets 2
Remote Button A3	Undefined
Remote Button A4	Blower
Remote Button A5	Light
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

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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