BP2100G1 Tech Sheet

Customer: Balboa Water Group

Part Number: 56389-02 800 Incoloy 3kW

56390-02 825 Incoloy 3kW 56391-02 Titanium 3kW 56587 800 Incoloy 2kW

Custom Box Overlay
Box Overlay Part Number N/A

CE System Model: BP21-BP2100G1-RCA3.0K Software Version ID: M100_225 V20.0

Software Version: 20.0

File Name: BP2100_20.0_BP2100G1_18.hex

Configuration Signature: EBCE9FD8

Eng. Project Number: 4132

Base PCBA: 56392-02 for systems 56389-02, 56390-02, 56391-02

56588 for system 56587

Control Panels:

TP600CE version 2.7 or later

TP600 (non-CE) should not be used.

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™)





System Revision History

Part #	EPN	Date	Originator	Changes Made
56389	3936	12-07-12	BWG	Initial Release BP2100G1
56390				
56391				
56389-01	4008	01-31-13	BWG	Add Setup 18. Add TP600 support.
56390-01				
56391-01				
56389-02	4132	09-12-13	BWG	Update to latest software version.
56390-02				
56391-02				
56389-02	4132	01-30-14	BWG	Updated to latest software version, adding topside-intergrated bba™ support. Released to production. Add 2kW model.
56390-02				
56391-02				
56587				

 $bba^{\scriptscriptstyle\mathsf{TM}}$ (Balboa Bluetooth Amp) connection is documented separately.

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

BALB A

Basic Functions Setup 1-18

Power Requirements:

Single Service [3 wires (line, neutral, ground)] 230VAC, 50/60Hz*, 1þ, 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.



Basic Functions Setup 1-18

System Ouputs:

Pump 1 230VAC 2-Speed 12A max 15-minute timer for High Speed, 15-Minute timer for Low Speed

1-Speed in Setups 12, 14, 17

This is the heater pump in Setups 1–6, 15, 18 Must deliver 20 GPM through heater

Pump 2 230VAC 2-Speed 12A max 15-minute timer

1-Speed in Setups 5, 6, 11–14, 17, 18

Pump 3 230VAC 2-Speed 12A max 15-minute timer

2-Speed in Setups 1, 7

1-Speed in Setups 2, 5, 6, 8, 11–16 Unused in Setups 3, 4, 9, 10, 17, 18

Blower 230VAC 1 Speed 4A max 15-minute timer

Unused in Setups 1, 2, 4, 6-8, 10, 13, 14

Circ Pump 230VAC 1-Speed 2A max Programmable Filtration Cycles + Polling

This is the heater pump in Setups 7-14, 16, 17

Must deliver 20 GPM through heater

Ozone 230VAC .5A max Slaved to Circ Pump in Setups 7-14, 16, 17

Independent in Setups 1-6, 15, 18

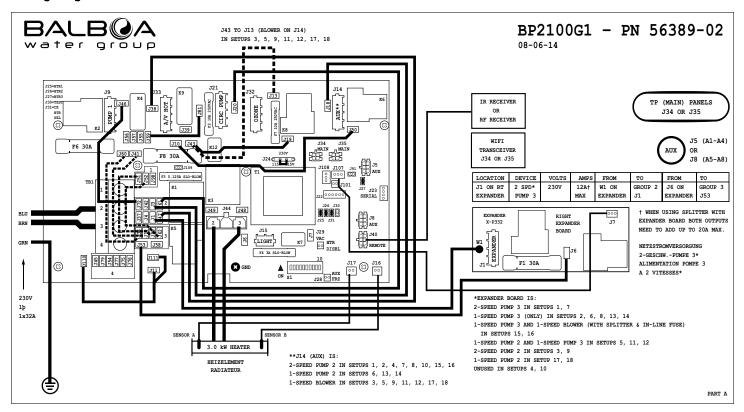
Spa Light 10VAC 0n/Off 1A max 240-minute timer. A/V (Stereo) 230VAC Hot 5A max Always on

Heater 3.0kW @ 240VAC max



Hardware Setup

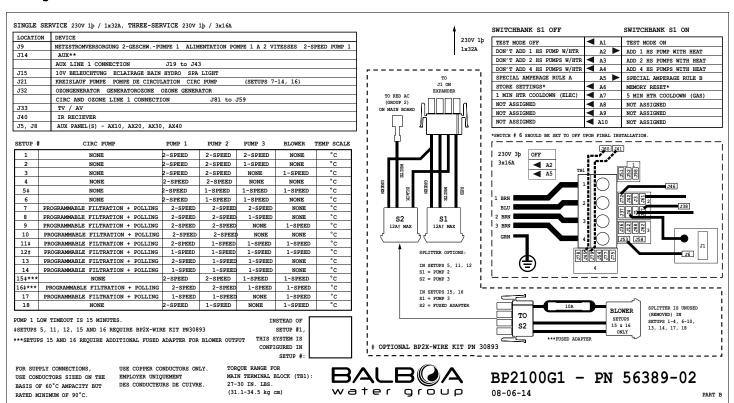
Wiring Diagram





Hardware Setup

Settings





Setup Reference Table

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

System (and any replacement board)
is shipped in Setup 1

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

Template 56377 10-05-12



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

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

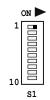
DANGER! HIGH VOLTAGE WILL BE ACCESSIBLE! SERVICE TECHNICIAN ONLY!

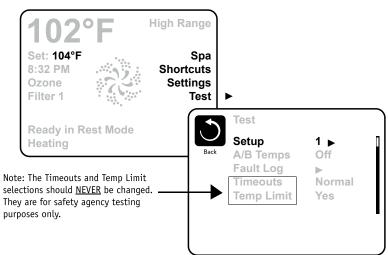
While the system is running, move DIP Switch 1 (on S1 on the Main circuit board) to ON. The system will enter Test Mode.

Moving DIP Switch 1 to OFF will exit Test Mode.

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.





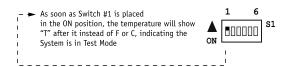


Changing Software Setups with TP600/400

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

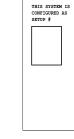
Again, You will have 1 minute to complete the setup change after you manually exit Priming Mode.

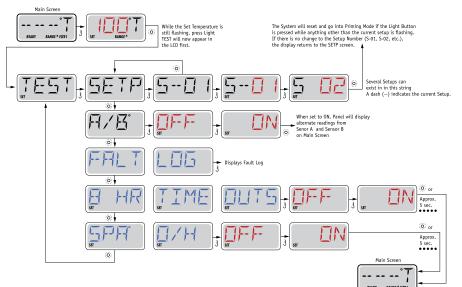
Immediately after exiting Priming Mode, press this sequence of buttons: Warm*, Light, Warm, Warm, Warm. Continue to press Warm until the diplay shows the Setup Number (S-01, S-02, etc.) you want to switch to. When the correct setup number is showing, press Light once, and the system will reset, using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





Key

Indicates Flashing or Changing Segment
Indicates Alternating or Progressive Message - every 1/2 second
3 A temperature button, used for "Action"

©: Light or dedicated "Choose" button, depending on control panel configuration

••••• Waiting time - varies depending on function

*If the Control Panel does not have a Warm (Up) button, but rather a single Temp button, use the Temp button in place of the Warm button in the instruction above. (The flow chart assumes a single Temperature Button.)



Equipment Expansion

Expansion Features

Control Connection Default Fuse Relay 1 (J101) Undefined None Relay 7/8 (J107) See Below 30A 2-Speed Pump 3 In Setups 1, 7 1-Speed Pump 3 (only) In Setups 2, 6, 8, 13, 14 1-Speed Pump 3 And 1-Speed Blower (With Splitter & In-Line Fuse) In Setups 15, 16 1-Speed Pump 2 And 1-Speed Pump 3 In Setups 5, 11, 12 2-Speed Pump 2 In Setups 3, 9 1-Speed Pump 2 In Setup 17, 18 Unused In Setups 4, 10 Relay 9/10 (J108) Undefined

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.

11



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).

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

Template 56377 10-05-12

A7 In "ON" position, enables a 5-minute cool down for some gas heaters (Cooling Time B).

In "OFF" position, enables a 1-minute cool down for electric heaters (Cooling Time A).

Undesignated switches are not assigned a function.



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 & I					
	Jumper on 2 pins with a 3.0kW or higher heater	221 (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.						
	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.						
	Note: Factory Configured do not change.	J25 (1 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 0 0 0 0 115 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.



Default

General Features

Feature

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 Ye

Ozone With Heater Pump*

Ozone Suppression OFF

Pump Purge60 SecondsBlower Purge30 SecondsMister Purge5 Seconds

Purge Type Serial - Pumps at lowest speed

Blue Indicates New Custom Configuration Default (Setup 1)



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

°C

Temperature Features

Temperature Display

Feature Default

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	<i>5</i>	6	7	8	9	10	11	12	13	14	<i>15</i>	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	<i>32</i>	33	34	<i>35</i>	36	37	<i>38</i>	39	40	
oг	72	7.	77	70	01	0.0	0/	0.0	0.0	00	01	0.2	0.5	0.7	00	100	100	10/	

Hi-Range Min. Set Temp	80°F
Hi-Range Max. Set Temp	104°
Hi-Range Default Temp*	100°
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

Blue Indicates New Custom Configuration Default (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.

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

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* 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

Blue Indicates New Custom Configuration Default (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.

Water group

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

Reminder Features

Default
Yes
0FF
0FF
30 Days
65 Days
100 Days
OFF
0FF
0FF
365 Days

Blue Indicates New Custom Configuration Default (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.

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BALB@A
water group

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

Special Features

Feature Default
Special Amperage Rule A No Limitation

Special Amperage Rule B 2 high-speed pumps max. Blower turns off with 2 high speed pumps - in Setups 1-4, 6-10, 13, 15, 16, 18

No Limitation - in Setups 5, 11, 12, 14, 17

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 3 or Pump 3 +	No Pump 3, Blower	No Pump 3, No Blower	
	Blower* Setups 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16	Setup 3, 9, 17, 18	Setup 4, 10	
1	Jets 1	Jets 1	Jets 1	
2	Jets 2	Jets 2	Jets 2	
3	Jets 3	Blower	Unused	
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	Jets 2	Jets 2	
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 3 AND a Blower, Pump 3 is on the main panel (Button3) and Blower must be operated with an Auxilliary Panel - AX10A3 on Bank 1 (J5).

See Page 21.



TP600CE

50015-04 or later - No Overaly 50336-02 or later - Includes Overlay PN 12762 TP600 (non-CE) should not be used.





TP800 Panel Configuration

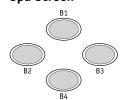
Button Layout Table

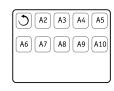
Feature #	Pump 3, Blower & Circ	NO Pump 3, Blower & Circ	Pump 3, NO Blower & Circ	NO Pump 3, NO Blower & Circ	Pump 3, Blower & NO Circ	NO Pump 3, Blower & NO Circ	Pump 3, NO Bl & NO Circ	NO Pump 3, NO Bl & NO Circ
	Setups 11, 12, 16	Setups 9, 17	Setups 7, 8, 13, 14	Setup 10	Setups 5, 15	Setup 3	Setups 1, 2, 6	Setup 4
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
А3	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2
A4	Jets 3	Blower	Jets 3	Light 1	Jets 3	Blower	Jets 3	Light 1
A5	Blower	Light 1	Light 1	Invert	Blower	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	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
A14	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2
A15	Blower	Blower	Jets 3	Light	Blower	Blower	Jets 3	Light
A16	Light	Light	Light	Invert	Light	Light	Light	Invert
B1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1	Jets 1
B2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2
В3	Jets 3	Blower	Jets 3	Undefined	Jets 3	Blower	Jets 3	Undefined
B4	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1	Light 1

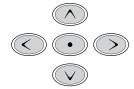


TP800 Panel Configuration

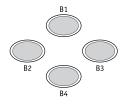
Spa Screen

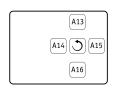


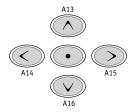




Shortcuts Screen







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.

TP900 Panel Configuration

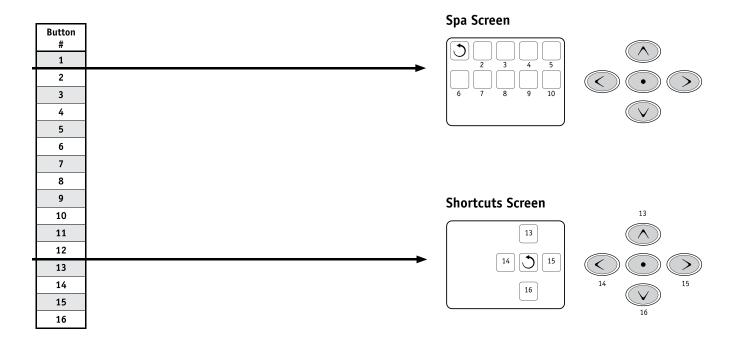
Button Layout Table

Button #	Pump 3, Blower & Circ	NO Pump 3, Blower & Circ	Pump 3, NO Blower & Circ	NO Pump 3, NO Blower & Circ	Pump 3, Blower & NO Circ	NO Pump 3, Blower & NO Circ	Pump 3, NO Bl & NO Circ	NO Pump 3, NO Bl & NO Circ
	Setups 11, 12, 16	Setups 9, 17	Setups 7, 8, 13, 14	Setup 10	Setups 5, 15	Setup 3	Setups 1, 2, 6	Setup 4
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	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2
4	Jets 3	Blower	Jets 3	Light 1	Jets 3	Blower	Jets 3	Light 1
5	Blower	Light 1	Light 1	Invert	Blower	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	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2	Jets 2
15	Jets 3	Blower	Jets 3	Light	Jets 3	Blower	Jets 3	Light
16	Light	Light	Light	Invert	Light	Light	Light	Invert

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

BALB O A

TP900 Panel Configuration





Auxiliary Panel Features on Bank 1*

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

Auxiliary Panel Features on Bank 2*

Feature	Defaul
Aux Button A5	Jets 1
Aux Button A6	Jets 2
Aux Button A7	Jets 3
Aux Button A8	Light

*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.



Auxiliary Panel Features

AX10 Panels on Bank 1*

No O/L A1, AX10A1 52803 A2, AX10A2 No O/L 52804 A3, AX10A3 No O/L 55805 A4, AX10A4 No O/L 52806



Call Customer Service for additional information about Auxiliary Panels.

AX10 Panels on Bank 2*

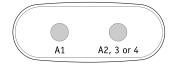
A5, AX10A1	No O/L	52803
A6, AX10A2	No O/L	52804
A7, AX10A3	No O/L	52805
A 0 A V 1 O A /	No O /I	E2006

A8, AX10A4

*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

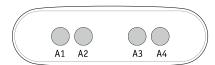
AX20 A1A2	No O/L	52800
AX20 A1A3	No O/L	52801
AY20 A1A/	No O /I	E2902



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 No O/L 52799



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.

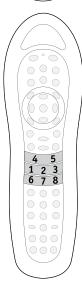


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Remote Panel Features

Feature	Default
Remote Button A1	Jets 1
Remote Button A2	Jets 2
Remote Button A3	Jets 3
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

