

BP20MSSH Tech Sheet

Customer: Balboa Water Group

Part Number: 56373 800 Incoloy
56448 825 Incoloy
56449 Titanium

Custom Box Overlay

Box Overlay Part Number N/A

UL System Model: BP20-BP20MSSH-AU

Software Version ID: M100_220 V12

Software Version: 12.0

File Name: BP2000_12.0_BP20MSSH_1.hex

Configuration Signature: 241941E4

Eng. Project Number: 3933

Base PCBA: 56374

Bare Board: 24082_D or E

Control Panels:

TP800 Software Version 2.9 and later

TP900 Software Version 2.9 and later

TP600 Software Version 2.6 and later

Auxiliary Panels

See Page 19



System Revision History

| Part # | EPN | Date | Originator | Changes Made |
|--------|------|----------|------------|--|
| 56373 | 3933 | 01-03-13 | BWG | Initial release - BP2000 with MicroSilk® |
| 56448 | | | | |
| 56449 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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.



Basic Functions Setups 1-6

Power Requirements:

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

System Outputs:

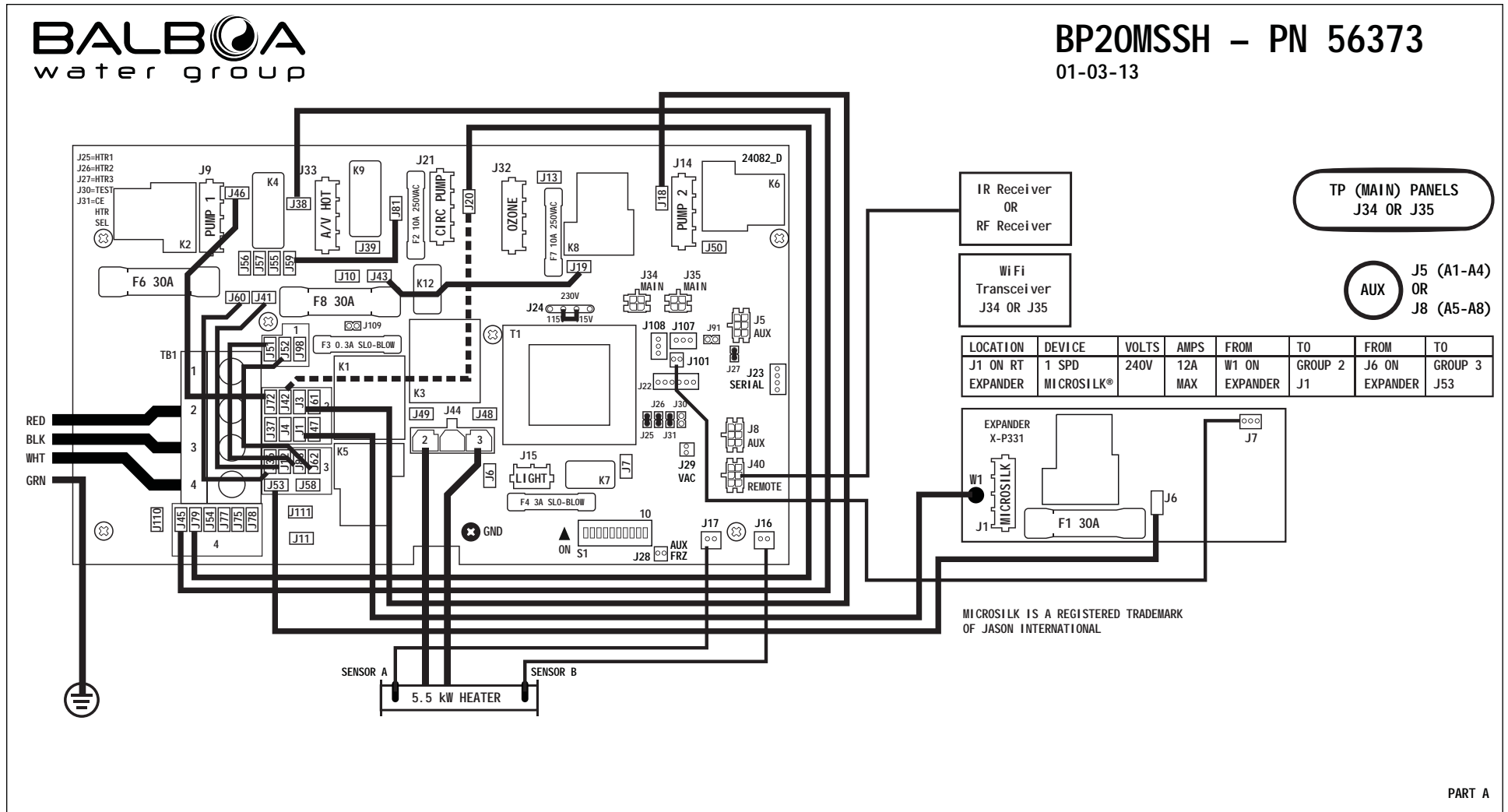
| | | | | |
|------------------------------------|---|-----------------|---------|---|
| Pump 1 | 240VAC | 2-Speed | 12A max | 15-minute timer for High Speed, 15-Minute timer for Low Speed |
| | This is the heater pump in Setups 4-6 Must deliver 20 GPM through heater | | | |
| Pump 2 | 240VAC | 2-Speed | 12A max | 15-minute timer |
| | | in Setups 1 & 4 | | |
| | | 1-Speed | 12A max | 15-minute timer |
| | | in Setups 2 & 5 | | |
| Pump 2 is not used in Setups 3 & 6 | | | | |
| MicroSilk® | 240VAC | 1-Speed | 12A max | 30-minute timer |
| Circ Pump | 120VAC* | 1-Speed | 2A max | Programmable Filtration Cycles + Polling |
| | This is the heater pump in Setups 1-3 Must deliver 20 GPM through heater | | | |
| Ozone | 120VAC* | | .5A max | Slaved to Circ Pump in Setups 1-3, Independent in Setups 4-6 |
| Spa Light | 10VAC | On/Off | 1A max | 240-minute timer. |
| A/V (Stereo) | 120VAC | Hot | 5A max | Always on |
| Heater | 5.5kW @ 240VAC max | | | |

*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.)

MicroSilk® is a registered trademark of Jason International

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.

© Copyright 2009 Balboa Water Group.

BALBOA
water group

Hardware Setup

Settings

| LOCATION | DEVICE | VOLTS | MAX AMPS | FROM | TO |
|----------|----------------------------------|-------|----------|------|-------------|
| J9 | 2-SP PUMP 1 | 240V | 12A MAX | J46 | J72-GROUP 2 |
| J14 | 2-SP PUMP 2 | 240V | 12A MAX | J18 | J3-GROUP 2 |
| | PUMP 2 LINE 1 CONNECTION | | | J19 | 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 | J78-GROUP 4 |
| J44 | HEATER | 240V | 5.5 kW | | |

PUMP 2 IS 2-SPEED IN SETUPS 1 & 4
 PUMP 2 IS 1-SPEED IN SETUPS 2 & 5
 PUMP 2 IS NOT USED IN SETUPS 3 & 6

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

| SETUP # | CIRC PUMP | PUMP 1 | PUMP 2 | MICROSILK® | TEMP SCALE |
|---------|-----------------------------------|---------|---------|------------|------------|
| 1 | PROGRAMMABLE FILTRATION + POLLING | 2-SPEED | 2-SPEED | 1-SPEED | °F |
| 2 | PROGRAMMABLE FILTRATION + POLLING | 2-SPEED | 1-SPEED | 1-SPEED | °F |
| 3 | PROGRAMMABLE FILTRATION + POLLING | 2-SPEED | NONE | 1-SPEED | °F |
| 4 | NONE | 2-SPEED | 2-SPEED | 1-SPEED | °F |
| 5 | NONE | 2-SPEED | 1-SPEED | 1-SPEED | °F |
| 6 | NONE | 2-SPEED | NONE | 1-SPEED | °F |
| | | | | | |
| | | | | | |
| | | | | | |

SYSTEM WILL BE IN
 SETUP #1

PUMP 1 LOW TIMEOUT IS 15 MINUTES.

MICROSILK IS A REGISTERED TRADEMARK
 OF JASON INTERNATIONAL

INSTEAD OF
 SETUP #1,
 THIS SYSTEM IS
 CONFIGURED IN
 SETUP #:

SWITCHBANK S1 OFF

SWITCHBANK S1 ON

| TEST MODE OFF | ◀ A1 | ▶ A2 | TEST MODE ON |
|----------------------------|-------|------|--------------------------|
| DON'T ADD 1 HS PUMP W/HTR | ◀ A3 | ▶ A2 | ADD 1 HS PUMP WITH HEAT |
| DON'T ADD 2 HS PUMPS W/HTR | ◀ A4 | ▶ A3 | ADD 2 HS PUMPS WITH HEAT |
| DON'T ADD 4 HS PUMPS W/HTR | ◀ A5 | ▶ A4 | ADD 4 HS PUMPS WITH HEAT |
| SPECIAL AMPERAGE RULE A | ◀ A6 | ▶ A5 | SPECIAL AMPERAGE RULE B |
| STORE SETTINGS* | ◀ A7 | ▶ A6 | MEMORY RESET* |
| NOT ASSIGNED | ◀ A8 | ▶ A7 | NOT ASSIGNED |
| NOT ASSIGNED | ◀ A9 | ▶ A8 | NOT ASSIGNED |
| NOT ASSIGNED | ◀ A10 | ▶ A9 | 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.

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



BP20MSSH – PN 56373

01-03-13

PART B



Setup Reference Table

| Setup # | Circ Pump | Pump 1 | Pump 2 | MicroSilk® | | Temp Scale |
|---------|-----------------------------------|---------|---------|------------|--|------------|
| 1 | Programmable Filtration + Polling | 2-Speed | 2-Speed | 1-Speed | | °F |
| 2 | Programmable Filtration + Polling | 2-Speed | 1-Speed | 1-Speed | | °F |
| 3 | Programmable Filtration + Polling | 2-Speed | None | 1-Speed | | °F |
| 4 | None | 2-Speed | 2-Speed | 1-Speed | | °F |
| 5 | None | 2-Speed | 1-Speed | 1-Speed | | °F |
| 6 | None | 2-Speed | None | 1-Speed | | °F |

System is shipped in Setup 1

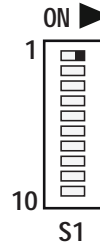
Pump 1 Low timeout is 15 minutes.

Changing Software Setups

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

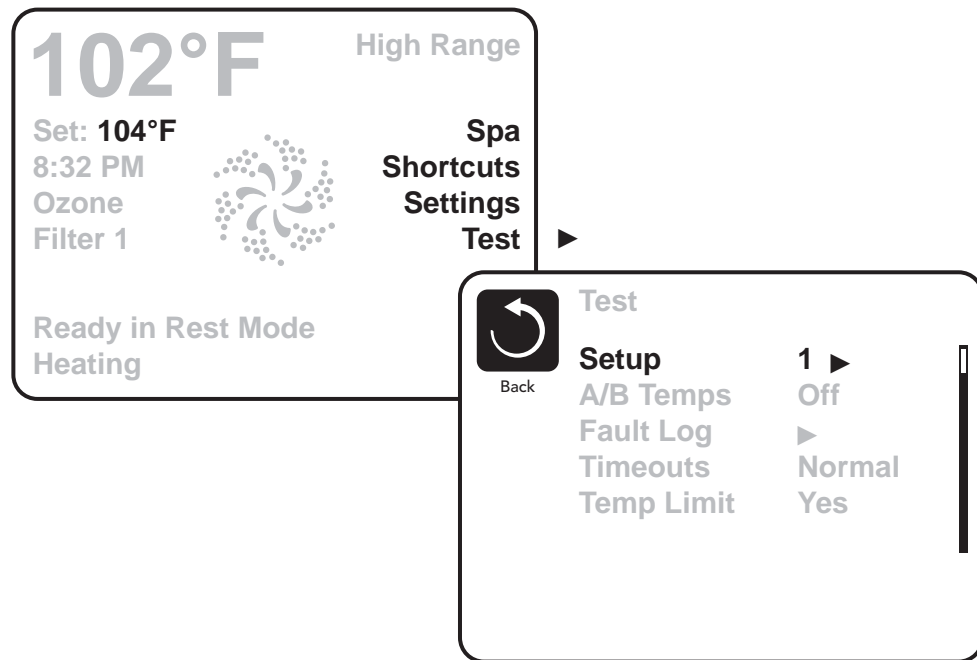
DANGER! HIGH VOLTAGE WILL BE ACCESSIBLE! SERVICE TECHNICIAN ONLY!

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.



Equipment Expansion

Expansion Features

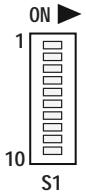
Control Connection

| | Default | Fuse |
|-------------------|----------------|-------------|
| Relay 1 (J101) | MicroSilk® | 30A |
| Relay 7/8 (J107) | Undefined | None |
| Relay 9/10 (J108) | Undefined | 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.
- 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).






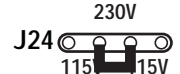


A2, A3, and A4 work in combination to determine the number of high-speed devices and blowers that can run before the heat is disabled. i.e. A2 and A3 in the ON position and A4 in the OFF position will allow the heater to operate with up to 3 high-speed pumps (or two HS Pumps and Blower) running at the 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.

Undesignated switches are not assigned a function.

Jumper Definitions

| | | |
|----------------------|--|--|
| J109 | GFCI Test/Trip Enable Note: This feature must be enabled in software as well. | J109  |
| J91 | Real Time Clock Enable/Disable Note: This Jumper should NOT be shorted when the Control Panel can display time of day. | J91  |
| J30 | Do Not Use | |
| J31 | Non Applicable for UL systems (Used only on CE systems) | J31  |
| J29 | Do Not Use | J29  |
| J25, J26, J27 | Heater Type Settings. Note: Factory Configured do not change. |  |
| J24 | Jumper on center two pins (230V) when heater is running at 240V. Two Jumpers installed; one on left 2 pins and one on right 2 pins (115V) when heater is running at 120V. |  |

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.

BP2000 Configuration Options

General Features

| Feature | Default |
|------------------------------------|------------------------|
| Pump 1 in Filter Cycle (Circ Only) | No |
| Pump 1 Low Timer | <i>15 Minutes</i> |
| General Pump Timer | 15 Minutes |
| Blower Timer | 30 Minutes |
| MicroSilk® Timer | 30 Minutes |
| Mister Timer | 15 Minutes |
| Light Timer | 240 Minutes |
| Circ (when enabled) | Programmable + Polling |
| Cleanup Cycle | <i>30 Minutes</i> |
| Cleaup 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 |

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

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. © Copyright 2009 Balboa Water Group.

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 | |

| | |
|------------------------|-----------------|
| 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 |
| Temp Lock Type | Temp + Settings |

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

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. © Copyright 2009 Balboa Water Group.



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 |

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

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. © Copyright 2009 Balboa Water Group.

BP2000 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)*

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. © Copyright 2009 Balboa Water Group.

BP2000 Configuration Options

Special Features

Feature

Default

Special Amperage Rule A

No Limitation

Special Amperage Rule B

No Limitation

Drain Mode

Disabled

Demo Mode

Disabled

Automatic GFCI Test

Disabled

Ozone Slaved to Heater Pump

Yes in Setups 1-3

No in Setups 4-6

Dual Voltage Heater

Always Input Voltage

Safety Suction

Disabled

TP600 Panel Configuration

Button Layout Table

| Feature # | 2 Pumps Setups 1, 2, 4 & 5 | 1 Pump Setups 3 & 6 |
|-----------|-------------------------------|------------------------|
| A1 | Jets 1 | Jets 1 |
| A2 | Jets 2 | Undefined |
| A3 | MicroSilk® | MicroSilk® |
| A4 | Up | Up |
| A5 | Light 1 | Light 1 |
| A6 | Down | Down |
| B1 | Jets 1 | Jets 1 |
| B2 | Jets 2 | Undefined |
| B3 | Light 1 | Light 1 |
| B4 | Heat On | Heat On |



TP600

55676-XX

(no overlay - North America only)

50015-XX

(no overlay - International)

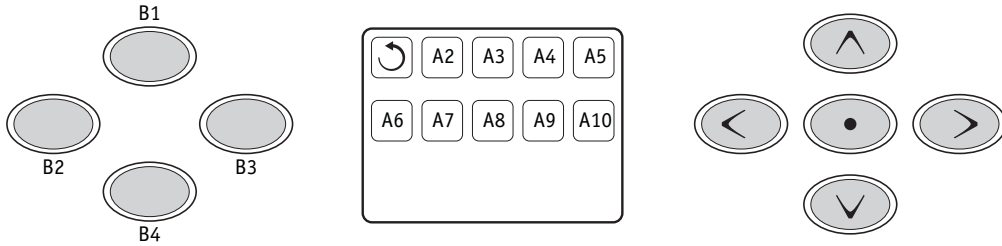
TP800 Panel Configuration

Button Layout Table

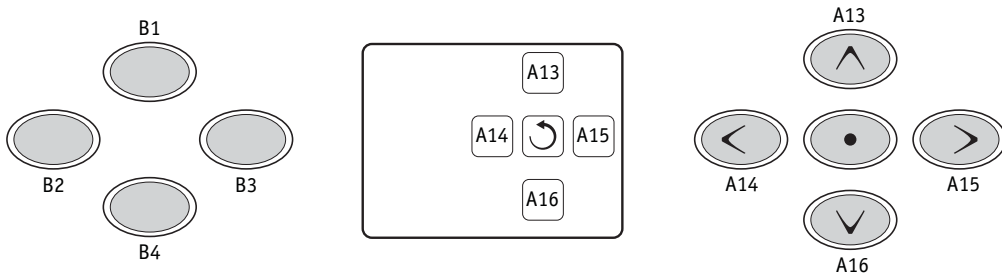
| Feature # | 2 Pumps & Circ Setups 1 & 2 | 1 Pump & Circ Setup 3 | 2 Pumps & NO Circ Setups 4 & 5 | 1 Pumps & NO Circ Setup 6 |
|-----------|--------------------------------|--------------------------|-----------------------------------|------------------------------|
| A1 | N/A | N/A | N/A | N/A |
| A2 | Jets 1 | Jets 1 | Jets 1 | Jets 1 |
| A3 | Jets 2 | MicroSilk® | Jets 2 | MicroSilk® |
| A4 | MicroSilk® | Light 1 | MicroSilk® | Light 1 |
| A5 | Light 1 | Invert | Light 1 | Invert |
| A6 | Invert | (Circ Icon) | Invert | Undefined |
| A7 | (Circ Icon) | Undefined | Undefined | Undefined |
| A8 | Undefined | Undefined | Undefined | Undefined |
| A9 | Undefined | 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 | Undefined | Undefined | Undefined | Undefined |
| A14 | Undefined | Undefined | Undefined | Undefined |
| A15 | Undefined | Undefined | Undefined | Undefined |
| A16 | Undefined | Undefined | Undefined | Undefined |
| B1 | Jets 1 | Jets 1 | Jets 1 | Jets 1 |
| B2 | Jets 2 | Undefined | Jets 2 | Undefined |
| B3 | MicroSilk® | MicroSilk® | MicroSilk® | MicroSilk® |
| B4 | 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.

Panel Part Number _____

Overlay Part Number _____

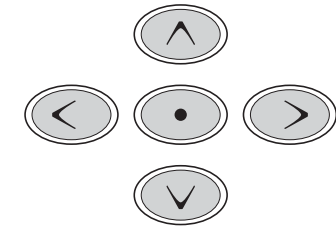
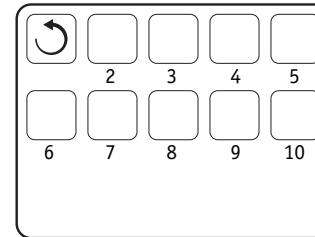
A Circ Icon will appear when a Circ Pump is configured using Setups 3, 4, 8, 9

TP900 Panel Configuration

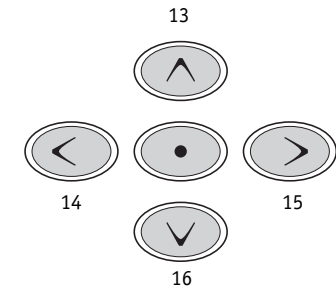
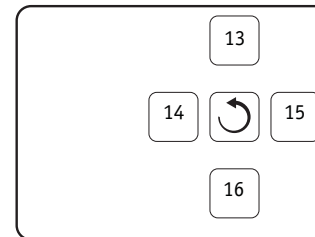
Button Layout Table

| Button # | 2 Pumps & Circ Setups 1 & 2 | 1 Pump & Circ Setup 3 | 2 Pumps & NO Circ Setups 4 & 5 | 1 Pumps & NO Circ Setup 6 |
|----------|--------------------------------|--------------------------|-----------------------------------|------------------------------|
| 1 | N/A | N/A | N/A | N/A |
| 2 | Jets 1 | Jets 1 | Jets 1 | Jets 1 |
| 3 | Jets 2 | MicroSilk® | Jets 2 | MicroSilk® |
| 4 | MicroSilk® | Light 1 | MicroSilk® | Light 1 |
| 5 | Light 1 | Invert | Light 1 | Invert |
| 6 | Invert | (Circ Icon) | Invert | Undefined |
| 7 | (Circ Icon) | Undefined | Undefined | Undefined |
| 8 | Undefined | Undefined | Undefined | Undefined |
| 9 | Undefined | Undefined | Undefined | Undefined |
| 10 | 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 | Undefined | Jets 2 | Undefined |
| 15 | MicroSilk® | MicroSilk® | MicroSilk® | MicroSilk® |
| 16 | Light 1 | Light 1 | Light 1 | Light 1 |

Spa Screen



Shortcuts Screen



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

BP2000 Configuration Options

Auxilliary Panel Features on Bank 1*

| Feature | Default |
|---------------|------------|
| Aux Button A1 | Jets 1 |
| Aux Button A2 | Jets 2 |
| Aux Button A3 | MicroSilk® |
| 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 | MicroSilk® |
| Aux Button A8 | Light |

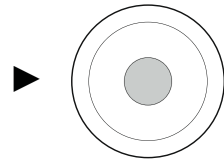
*Bank 1 consists of J5 on the Main Circuit Board.
Bank 2 consists of J8 on the Main Circuit Board.
Aux Connection Splitter PN25257 may be required.

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 | 55805 Controls MicroSilk® |
| 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 Controls MicroSilk® |
| A8, AX10A4 | No O/L | 52806 |

Call Customer Service for additional information about Auxiliary Panels.

Auxiliary Panel Part Number _____

Overlay Part Number _____

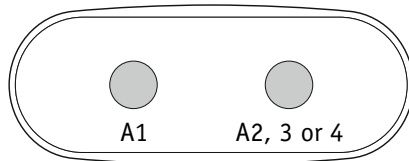
*Bank 1 consists of J5 on the Main Circuit Board.

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 |

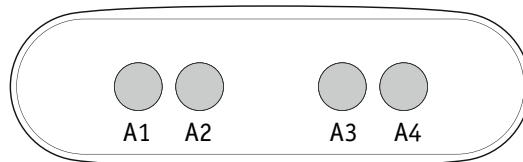


AX20 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 or A4.

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

AX40

| | | |
|------|--------|-------|
| AX40 | No O/L | 52799 |
|------|--------|-------|



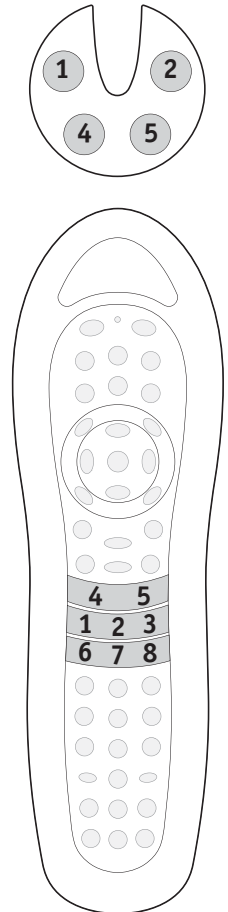
AX40 Auxiliary Panel plugged into Bank 1 will operate A1 + A2, A3 and A4.

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

BP2000 Configuration Options

Remote Panel Features

| Feature | Default |
|------------------|------------|
| Remote Button A1 | Jets 1 |
| Remote Button A2 | Jets 2 |
| Remote Button A3 | MicroSilk® |
| Remote Button A4 | Undefined |
| Remote Button A5 | Light |
| Remote Button A6 | Undefined |
| Remote Button A7 | Undefined |
| Remote Button A8 | Undefined |



Remote Panel Part Number _____
 Overlay Part Number _____