The Design of the Future

TheTitan™
The Design of the Future

- The next generation system packs more power functions into a single box replacing two of the first generation controls

- New controls use the same patented technology as the BWG spa controls

- Embedded seal switches in a chemical resistant compound provide years of durability and strength

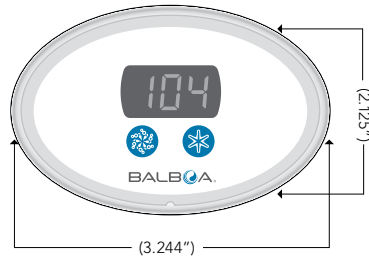- Enhanced performance. Improved reliability.

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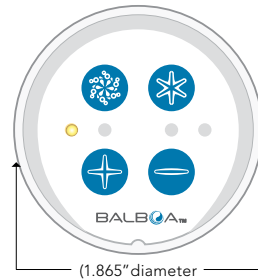# Bath Controls
The Design of the Future

90011-REV*
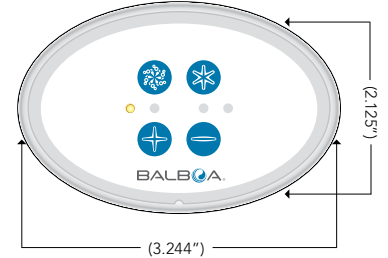2-BUTTON ROUND
BATH CONTROL
Therapy and Light

90016-REV*
2-BUTTON OVAL
BATH CONTROL
Therapy and Light

90012-REV*
4-BUTTON ROUND
BATH CONTROL
Blower, Light & Speed Buttons

90015-REV*
4-BUTTON OVAL
BATH CONTROL
Blower, Light & Speed Buttons

(1.865"diameter)

(3.244")

(2.125")

(1.865"diameter)

(3.244")

(2.125")

DISPLAY
The water temperature will display during a user session

THERAPY BUTTON
A button press turns the therapy on/off

LIGHT BUTTON
The light can be controlled independently of all other features

SESSION TIMER
Turning on the device starts a session timer that lasts for 30 minutes. The timer can be altered using User Preferences

BLOWER ON–OFF
Press the blower button once to turn the blower ON at the highest speed. To turn the blower OFF, press the blower button once

INCREASE/DECREASE SPEED
Press & hold the **+** or **–** button

LIGHT BUTTON
The light can be controlled independently of all other features
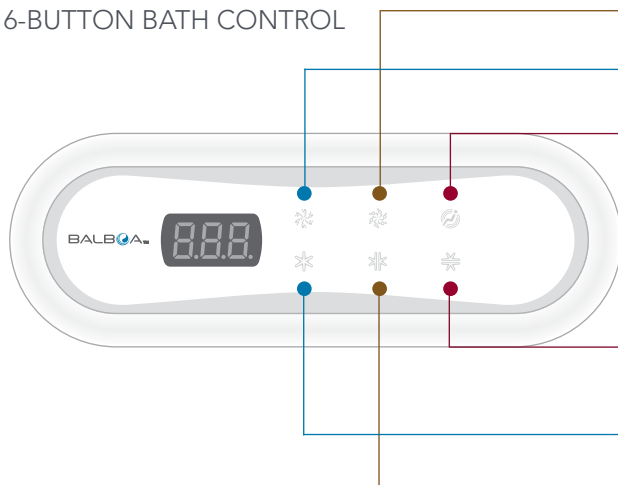
SESSION TIMER
Turning on the device starts a session timer that lasts for 30 minutes. The timer can be altered using User Preferences

MODES
Press the blower button twice to put the blower in pulse mode
Press the blower button three times to put the blower in wave mode

90010-XX**
6-BUTTON BATH CONTROL

THERAPY BUTTON
Button press turns therapy on/off

BLOWER BUTTON
Allows for a "purge" cycle
Press & hold alters the speed

BACK JET BUTTON

6-BUTTON BATH CONTROL
Therapy | Light | Blower | Massage | Back Jet | Massage

MASSAGE BUTTON
Change speed
(back jet/pillow)

LIGHT BUTTON
Can be controlled independently of all other features

MASSAGE BUTTON
Change speed
(back jet/pillow)

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The Control System Box
Variable Speed Control Box | Primary Valve Control Box

The UL approved Titan™ Bath Control System broke new ground in the Bath market as the first ever advanced operating system for bath tubs to measurably reduce difficult software configurations, older IR links and multiple set-ups. In addition, the technologically advanced bath control panel has been developed utilizing the BWG patented spa control technology. The bath control panel is a modern rendition of the old standby, but with flexibility, strength, simplified programmable menus and most importantly, our internal seal switches, which are embedded in a chemical resistant compound that provide years of durability and temperature accuracy.

Specifications	
Mechanical	Dimensions
System Variable Speed Bath Control (part number: 90031-REV*)	4.3"H x 7.3"W x 2.5"D
System Primary Valve Bath Control (part number: 90018-REV*)	4.3"H x 7.3"W x 2.5"D
Enclosure Material	
Main Enclosure	IR Transmittable Material
Top & Panels	Balboa Patented Spa Technology Process
Electrical	
Single or Variable Speed Pump	120V/13.5A
Single or Variable Speed Blower	120V/13.5A
Valve Equipment	Optional

90018-REV* | Primary Valve Control Box
Accepts 6 pin or 8 pin Mini DIN cables
5 Discreet paired output connectors for valves

90031-REV* | Variable Speed Control Box
Accepts 4,6 or 8 Mini DIN pin cables

J4 Mini DIN 6 Pin

J1 Mini DIN 8 Pin

J2 Mini DIN 6 Pin

Paired Valve Connectors

J3 Mini DIN 4 Pin

J5 Mini DIN 8 Pin

Note: Depending on the configuration of the tub, only one control box may be necessary.

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	NEW Titan Control Systems	Old Bath Control Systems		NEW Features and Benefits
Bath Systems (Description and Material No.)	Titan™ Variable Speed Control Box (90031-REV*)	Image Auxiliary Load Controller (99733-REV*)	Image Controller 115v, Nema male/ female cords (99734-REV*)	• Next generation controls packs more functionality into a single box. - Eliminates expansion box for electronic blower with a bath control systems. - Reduced footprint and expanded capabilities. - Enhanced performance. - Improved reliability. • Plug & Play provides installation flexibilities. - IR transmittable material replaces older IR link windows. - Simple and easy software configurations. - Advanced self-sensing technology. • One system 90017 replaces both systems 99733 and 99734.
Bath Systems (Description and Material No.)	Titan™ Primary Valve Control Box (90018-REV*)	Solenoid Controller 115v 24VAC (99735-REV*)		• Titan's™ light control was built into the Primary Valve Controller to help save costs for multiple configurations. • System 90018 replaces system 99735.

Uses

	NEW Titan Control Systems	Old Bath Control Systems	
Control Panels (2 Button bath control)	NEW Panel (90011-REV*) (90016-REV*)	Old Panel (99721-REV*/99722-REV*)	
Control Panels (4 Button bath control)	NEW Panel (90013-REV*) (90015-REV*)	Old Panel (99713-REV*/99714-REV*)	
Control Panels (6 Button bath control)	NEW Panel (90010-REV*) (Concept)	Old Panel (99727-REV*/99728-REV*)	
Sensors	NEW Sensor (32016)	Old Sensor (99736)	
Cables (6' Cable)	NEW Cable (25569)	Old Cable (99730)	
Cables (Light Adapter Cable)	NEW Cable (25750)	Old Cable (99744)	
Cables (Water Detect Cable)	NEW Cable (25404)	Old Cable (99742, 99743)	
Cables (Water Level Cable)	NEW Cable (25751)		
Cables (10' Solenoid Cable)	NEW Cable (25670)	Old Cable (99731)	
Display Trim	NEW Trim (99755-XX** or 99757-XX**)	Old Trim (99737-XX** and 99745)	

• Each button has a specific and simple function, which eliminates multiple-button pushes. Simplified, programmable menus.

• Easy to use display.

• Improved Serviceability.

• Buttons can be re-assigned to particular uses.

• Industry leading temperature and water level sensor technology to deliver maximum performance and satisfaction.

• Input Signal Protection. New Titan panels use instant error detection.

• With over 2 million panels currently in the field, these new controls utilize the same patented technology as our spa controls.

Notes:

Sensor 30382 uses 1.5" saddle barb (381). Item sold separately.

* = REV represent the latest product revision, it can be -01, -02, -03, -04, -05 or higher. When a product is ordered the latest product revision is always shipped.

** = Replace XX with the corresponding color before ordering. To see all the colors please visit www.balboawater.com/color-codes.

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