# BALBOA SPAMONITOR Operating Instructions





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#### **IMPORTANT:**

The user is cautioned that changes not expressly approved by Balboa Instruments, Inc. could void the user's authority to operate the equipment.





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#### Mode



This button is used to switch between standard, economy, and sleep modes. Press MODE to enter mode programming, press "Down" to cycle through to desired mode (LCD flashes until confirmed), then press MODE to confirm selection.

Standard mode maintains the desired temperature. Note that the last measured spa temperature displayed is current only when the pump has been running for at least 2 minutes. "Std" will appear on the display momentarily when you switch into Standard Mode.

Economy mode heats the spa to the set temperature only during filter cycles. "Ecn" will appear solid when the temperature is not current and will alternate with the temperature when the temperature is current.

Pressing SYNC/JETS while in Economy mode puts the spa in Standard-In-Economy mode, ("SE") which operates the same as Standard Mode, then reverts to Economy Mode automatically after 1 hour. Press DOWN or UP followed by LIGHT to revert the mode to Economy immediately.

Sleep mode heats the spa to within 20°F (11°C) of the set temperature only during filter cycles. "SLP" will appear on the display until mode is changed.

## Sync/Jets



The SYNC/JETS button on the SpaMonitor works like the JETS1 button on your main panel (or like the JETS button if your main panel has only one Jets button).

## **Diagnostic Messages**

Message	Meaning	Action Required
5td	The spa is operating in Standard Mode.	Temperature display is current after pump has been running for at least 2 minutes.
Ecn	The spa is operating in Economy Mode.	"Ecn" will appear solid on the display when the temperature is not current. "Ecn" will alternate with the temperature when the temperature is current.
5 E	The spa is operating Standard-in-Economy Mode.	Operates the same as Standard mode, then reverts to Economy mode after 1 hour. Press MODE to switch directly to Economy mode.
5LP	Sleep Mode has been activated by pressing a button combination on the user panel.	"SLP" will appear solid on the display when the temperature is not current. "SLP" will alternate with the temperature when the temperature is current.
£5£	The spa is operating in Test Mode.  The Spa Monitor is unable to operate normally in Test Mode.	Contact your distributor or authorized dealer to have the spa switched back to User Mode.

Consult your main panel documentation for the meaning and required action that corresponds to any additional three-letter diagnostic or reminder messages that may appear on the SpaMonitor display. If you use an ML900 main panel, consult the ML900 Cross-Reference Table on the next page to correlate the three-character message on the SpaMonitor with the 12-character message on the ML900.

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# **ML900 Message Cross-Reference Table**

# **Diagnostic Messages**

SpaMonitor dr	ML900 HEATER MAY BE DRY WILL RETEST	SpaMonitor PHH	<b>ML900</b> PH I5 HIGH LOWER PH
dr¥	SHORTLY HEATER IRY SERVICE ROI	PHL	PH IS LOW RAISE PH
HFL	HTR FLOW LOW	Pr	PRIMING MOJE
IEE	FREEZE CONI	5AH	5ANITIZER HIGH
LF	LOW FLOW	5AL	5ANITIZER LOW
□нн	HTR TEMP LMT SERVICE ROI	569	STANIJY MOJE
0H5	SPA TEMP LMT	5nA	SENSOR A SERVICE ROI

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# **ML900 Message Cross-Reference Table**

# **Diagnostic Messages (Continued)**

<b>SpaMonitor</b>	<u>ML900</u>	<u>SpaMonito</u>	<u>r                                      </u>	I <u>L900</u>
5nb	SENSOR 1 SERVICE ROI	5~5	alone 5EN5E	TR SYNE
		5~5	alternating with tem	perature
			5EN5[	JR SYNE
			SERV :	ICE ROI

## **Reminder Messages**

<u>SpaMonitor</u>	<u>ML900</u>	<u>SpaMonitor</u>	<u>ML900</u>
r[H	NEW FILTER	rPH	CHECK PH
r[L	CLEAN FILTER	r5A	EK SANITIZER
- [ [	CLEAN COVER	r <b>L</b> 9	TEST GFEI
rdr	IRAIN WATER	rEr	TREAT WOOT

#### Sounds

The Spa Monitor sounds an alarm when it detects the spa offline for more than 3 hours\* or when the spa detects a condition that may require your attention (i.e. overheat). Press any button to reset the alarm.

\*The SpaMonitor detects the spa offline when it cannot communicate with the base unit. This can occur when the Spa Monitor is out of range or if there is a connection or power problem.

## Things to Avoid

Be careful not to press multiple buttons together in normal use. Certain combinations of buttons put the SpaMonitor into special modes which are covered in the Installation Manual.