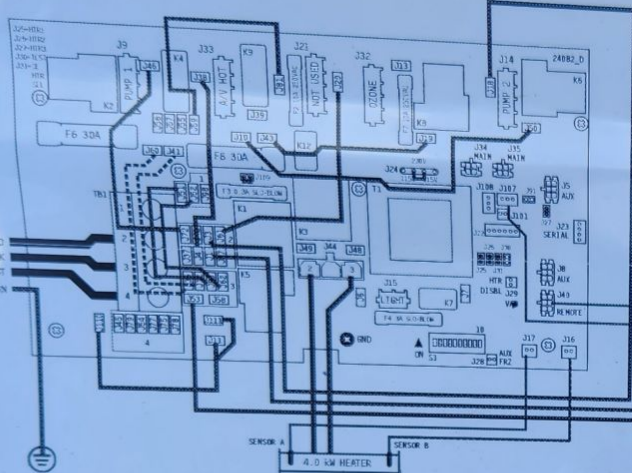


BALBOA water group

MQBP20 - PN 56335-04

05-03-16



IR Receiver OR RF Receiver

WiFi Transceiver J34 OR J35

AUX\* J5 (A1-A4) OR J8 (A5-A8)

\* AUX BUTTON FOR MICROSIK™ IS ADDED INTO J5

SETUP 3 ONLY

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO	FROM	TO
J1 ON RT EXPANDER	2 SPD PUMP 3	240V	12A MAX	W1 ON EXPANDER	GROUP 2	J6 ON EXPANDER	GROUP 3



SETUPS 4, 5, 9 & 10 ONLY

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO	FROM	TO
J1 ON RT EXPANDER	1 SPD MICROSIK™	240V	12A MAX	W1 ON EXPANDER	J1	J6 ON EXPANDER	J5

MICROSIK IS A REGISTERED TRADEMARK OF JASON INTERNATIONAL

PART A

LOCATION	DEVICE	VOLTS	MAX AMPS	FROM	TO
J36	2-SP PUMP 1	240V*	12A MAX	J46	J72-GROUP 2
J34	2-SP PUMP 2	240V	12A MAX	J38	J2-GROUP 2
	PUMP 2 LINE 3 CONNECTION			J39	J43
J35	SPA LIGHT	12V	3A	J50	J10
J32	N/A	240V		J20	J45-GROUP 2
J32	OZONE LINE 3 CONNECTION		1A	J81	J59
J33	TV 1 HE	240V	3A	J58	J78-GROUP 2
J44	HEATER	240V	4.0 kW		

\*PUMP 1 MAY BE 120VAC IN SETUPS 1, 4 & 9 ONLY.  
MICROSIK™ MAY BE 120VAC IN SETUPS 4 & 9 ONLY.

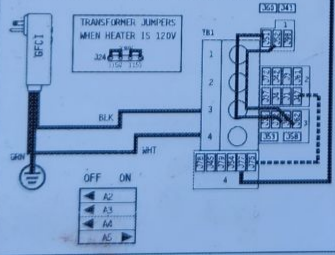
INSTEAD OF SETUP #2, THIS SYSTEM IS CONFIGURED IN SETUP #:

**5**



OPTIONAL 120VAC CONFIGURATION FOR SETUPS 1, 4 & 9 ONLY. (SEE)

TO CONVERT THE HEATER ONLY TO 240VAC (PUMP 1 REMAINS 120VAC), REMOVE JUMPER BETWEEN J47 AND J75 BEFORE REMOVING GFCI CORD AND CONNECTING A 30A 240VAC GFCI-PROTECTED SERVICE.



SWITCHBANK S1 OFF		SWITCHBANK S1 ON	
TEST MODE OFF	◀ A1	TEST MODE ON	▶ A1
DON'T ADD 3 HS PUMP W/HEAT	◀ A2	ADD 3 HS PUMP WITH HEAT	▶ A2
DON'T ADD 2 HS PUMPS W/HEAT	◀ A3	ADD 2 HS PUMPS WITH HEAT	▶ A3
DON'T ADD 4 HS PUMPS W/HEAT	◀ A4	ADD 4 HS PUMPS WITH HEAT	▶ A4
SPECIAL AMPERAGE RULE A	◀ A5	SPECIAL AMPERAGE RULE A	▶ A5
STORE SETTINGS*	◀ A6	MEMORY RESET*	▶ A6
NOT ASSIGNED	◀ A7	NOT ASSIGNED	▶ A7
NOT ASSIGNED	◀ A8	NOT ASSIGNED	▶ A8
NOT ASSIGNED	◀ A9	NOT ASSIGNED	▶ A9
NOT ASSIGNED	◀ A10	NOT ASSIGNED	▶ A10

\*SWITCH # 6 SHOULD BE SET TO OFF UPON FINAL INSTALLATION

USE COPPER CONDUCTORS ONLY.  
EMPLOYER UNILQUÉMENT DES CONDUCTEURS DE CUivre.  
#6 AND 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. (3.1-3.4 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.

USE EARTH GROUND CONNECTIONS AS INDICATED INSIDE THE SYSTEM ENCLOSURE.

TOTAL OUTPUT AMP DRAW NOT TO EXCEED MAX INPUT RATING OF SPA.

SETUP #	CIRC PUMP	PUMP 1	PUMP 2	PUMP 3	MICROSIK™	TEMP SCALE	HEAT TYPE
1		2-SPEED*				°F	STANDARD
2		2-SPEED	2-SPEED			°F	STANDARD
3		2-SPEED	2-SPEED	2-SPEED		°F	STANDARD
4		2-SPEED*			1-SPEED*	°F	STANDARD
5		2-SPEED	2-SPEED			°F	SIMPLIFIED
6		2-SPEED	2-SPEED			°F	SIMPLIFIED
7		2-SPEED	2-SPEED			°F	SIMPLIFIED
8		2-SPEED	1-SPEED			°F	SIMPLIFIED
9		2-SPEED*			1-SPEED*	°F	SIMPLIFIED
10		2-SPEED*	2-SPEED			°F	SIMPLIFIED

SYSTEM WILL BE MANUFACTURED IN SETUP #2

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