

P/N 55064-04
MODEL EL8000M3

BALBOA
water group

TUSTIN, CA.
Certified to comply with
the limits for a class B
computing device pursuant
to subpart J of part 15
of the FCC rules

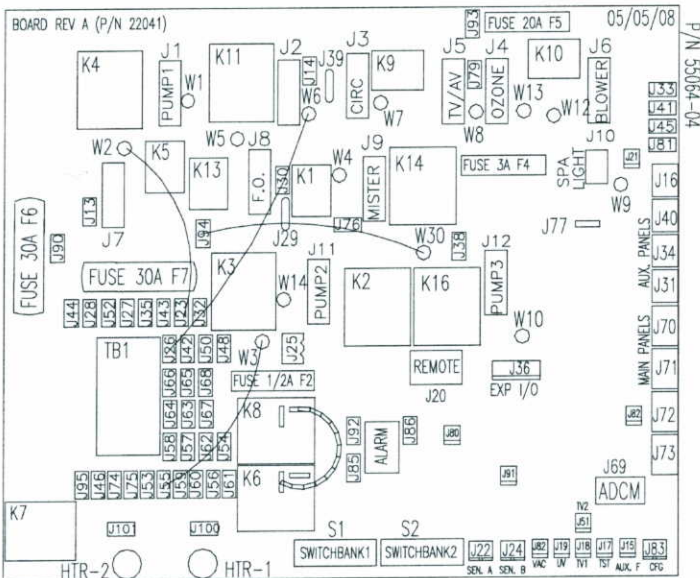
C
A
R
A
60 HZ

MODEL: EL8-EL8000M3-YCAH

PAT. NO. 4618797

EL8000M3 MACH3 SYSTEM WIRING DIAGRAM

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TORQUE RANGE FOR HEATER
CONNECTIONS: 30 TO 35 IN. LBS.

USE COPPER CONDUCTOR ONLY.
#6 AWG MIN. WIRE = 75'

EMPLOYER UNIQUEMENT DES
CONDUCTEURS DE CUIVRE.

TORQUE RANGE FOR TB1: 27-30 IN. LBS.

FOR SUPPLY CONNECTIONS, USE CONDUCTORS
SIZED ON THE BASIS OF 60°C AMPACITY BUT
RATED MINIMUM OF 75°C.

CONNECT ONLY TO A CIRCUIT
PROTECTED BY A CLASS A GFCI.

LOCATION	DEVICE	VOLTAGE	RATING	CONNECT	CONNECT
J1	2 SPD P1	240V	12A	W1	J53
J11	2 SPD P2	240V	12A	W14	J57
J12	2 SPD P3	240V	12A	W10	J61
J6	BLOWER	240V	4.5A	W12	J54
J4	OZONE	120V	1A	W13	J28
J10	SPA LIGHT	12V	12W	W9	J81
J5	TV/AV	120V	2A	W8	J50
J3	CIRC. PUMP	240V	4A	W7	J58
J8	F.O. LIGHT	120V	2A	W5	J32
J9	MISTER	120V	2A	W4	J42
HTR1-2	HEATER	240V	5.5Kw		

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

ALL UNUSED SWITCHES SHOULD BE OFF.

OFF	ON	MODE	OFF	ON
NO	YES	TEST MODE		
SEE TABLE		AMPERAGE SELECT		
SEE TABLE		AMPERAGE SELECT		
12hr	24hr	TIME DISPLAY IN 24HR		
DEG F	DEG C	DEG F/C		
15min	30min	PUMP TIME OUT		
2hr	4hr	PL-L TIMEOUT		
NO	YES	CLEANUP CYCLE		
NO	YES	O3 SUPPRESSED FOR 1 HR		
SEE TABLE		CIRC. PUMP BEHAVIOR		
NO	YES	CIRC. PUMP BEHAVIOR		
NO	YES	CIRC. P1 1SPD		
NO	YES	NO: O3 IN FLTR		
STORE	RESET	PERSISTENT MEMORY RESET		

HOW TO SET AMPERAGE
SELECT SWITCHES A2 & A3.

0 HIGH SPD W/HTR	OFF	OFF
1 HIGH SPD W/HTR	ON	OFF
2 HIGH SPD W/HTR	OFF	ON
3 HIGH SPD W/HTR	ON	ON
4 IF BLOWER AND PUMP3 ARE ENABLED	ON	ON

HOW TO SET CIRC. PUMP BEHAVIOR
SELECT SWITCHES A9 & A10.

NO CIRC. PUMP	OFF	OFF
24-HOUR CIRC	ON	OFF
OFF SHUT OFF	OFF	ON
FILTER/POLLS ONLY	ON	ON

TOTAL # OF BLOWER & HIGH
SPEED PUMP MOTORS THAT
CAN RUN WITH HEATER

OFF	ON	MODE	OFF	ON
2SPD	1SPD	P-2 2SPD/1SPD		
SEE TABLE		BLOWER# SPEEDS		
SEE TABLE		BLOWER# SPEEDS		
NO	YES	F.O. & WHEEL ENABLE		
NO	YES	P4 ENABLE ON BLOWER TRIAC		
NO	YES	PANEL BUTTON "SCRUNCHING"		
DIM.	ON/OFF	SPA LIGHT ON/OFF /DIM.		
NO	YES	S. LIGHT ENABLE		
2SPD	1SPD	P3 2SPD/1SPD		
NO	YES	P3 ENABLE		
NO	YES	MISTER ENABLE		
NO	YES	MISTER/OPTION REPLACES BLOWER		

HOW TO SET BLOWER# SPEEDS
SELECT SWITCHES B2 & B3.

DISABLED	OFF	OFF
1 SPEED (ON/OFF)	ON	OFF
2 SPEEDS	OFF	ON
3 SPEEDS	ON	ON



"B" DIP SWITCH SETTINGS

"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."