

PUMP

BLOWER/P2

OZONE



Balboa
Instruments
Incorporated
01/11/06

SUV SYSTEM WIRING DIAGRAM

P/N 52531-03

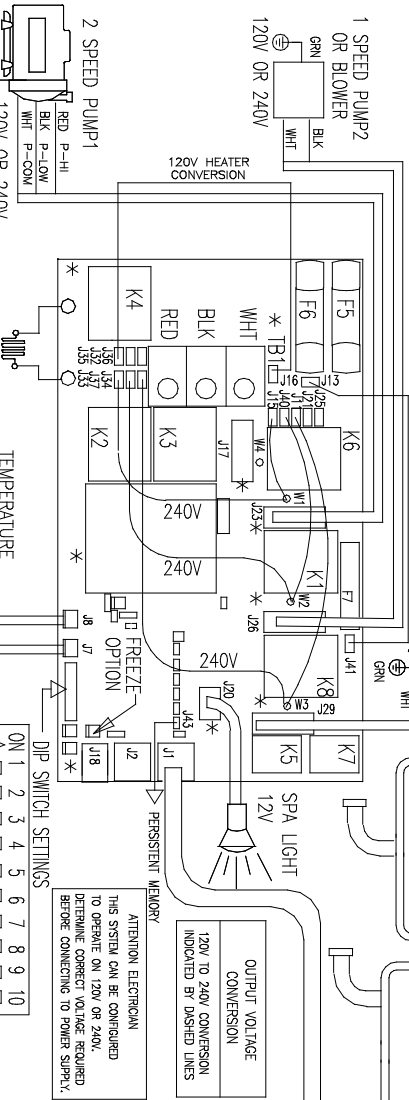
- Blower to Pump2 Conversion Instructions
1. REMOVE 10A FUSE FROM T7 COMPLETELY.
 2. INSTALL BLK WIRE FROM J15 TO J41

OZONE GENERATOR
120V OR 240V

DIGITAL DUPLEX (OPTIONAL)

DIGITAL DUPLEX (OPTIONAL)

MINI PANEL



- 120V TO 240V HEATER CONVERSION INSTRUCTIONS:
1. CONVERSION MUST BE PERFORMED BY A QUALIFIED, LICENSED ELECTRICIAN, HARDWARE ONLY.
 2. DISCONNECT FROM POWER & REMOVE WIRE, COPRO, COMPLETELY AND DISCARD
 3. REMOVE WIRE CONNECTED TO J-16 & J-35
 4. INSTALL 240V POWER LINE TO T81 TERMINAL BLOCK.
 5. SET DIP SWITCH 10 TO "OFF" POSITION.
- If this unit is to be permanently connected, connect only to a circuit that is protected by a Class A ground fault circuit interrupter (GFCI.).

P/N 52531-03
MODEL SUV

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BALBOA INSTRUMENTS INC.
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

MODEL: WHM-SUV-CCAH

PAT. NO. 4618797

- 2 SPEED PUMP1
- 120V OR 240V
- GRN P-HI
RED P-LOW
BLK P-CON
- 120V HEATER
CONVERSION
- GRN
- USE COPPER CONDUCTOR ONLY.
#6 AWG MIN. WIRE= 90°
EMPLOYER UNOQUEMENT DES
CONDUCTEURS DE CUIVRE.
TORQUE RANGE FOR T81: 27-30 IN. LBS.
FOR SUPPLY CONNECTIONS, USE CONDUCTORS
SIZED ON THE BASIS OF 80°C AMPACITY BUT
RATED MINIMUM OF 90°C.
- "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."

- TEMPERATURE
SENSOR A
- TEMPERATURE
SENSOR B
- NOTE: THIS CIRCUIT BOARD HAS NINE
MOUNTING HOLES (INDICATED BY *)
- TORQUE RANGE FOR HEATER
CONNECTIONS: 30 TO 35 IN. LBS

DIP SWITCH SETTINGS									
ON	1	2	3	4	5	6	7	8	9
OFF									
TEST MODE									
NOT USED									
AUX. FREEZE									
NOT USED									
60/50Hz									
50Hz									
60Hz									
50A									

LOCATION	DEVICE	VOLTAGE	RATING	CONNECT FROM	CONNECT TO
J23	2 SPD P1	120/240V	16/12A	W1	J15
J26	BLOWER	120/240V	8A	W2	J40
J26	1SP PUMP2	120/240V	16/12A	W2	J40
J29	OZONE	120/240V	1A	W3	J11
J20	SPA LIGHT	12V			

HRT-2HEATER 240/120V 5.5kW/1.4kW

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