



USE COPPER WIRE  
MIN 10 AWG  
@ 105°C

P/N 53170-01  
MODEL M3



Balboa Instruments Incorporated  
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

16803-1  
16803-2  
16803-3  
16803-4  
16803-5  
16803-6  
16803-7  
16803-8  
16803-9  
16803-10  
16803-11  
16803-12  
16803-13  
16803-14  
16803-15  
16803-16  
16803-17  
16803-18  
16803-19  
16803-20  
16803-21  
16803-22  
16803-23  
16803-24  
16803-25  
16803-26  
16803-27  
16803-28  
16803-29  
16803-30  
16803-31  
16803-32  
16803-33  
16803-34  
16803-35  
16803-36  
16803-37  
16803-38  
16803-39  
16803-40  
16803-41  
16803-42  
16803-43  
16803-44  
16803-45  
16803-46  
16803-47  
16803-48  
16803-49  
16803-50  
16803-51  
16803-52  
16803-53  
16803-54  
16803-55  
16803-56  
16803-57  
16803-58  
16803-59  
16803-60  
16803-61  
16803-62  
16803-63  
16803-64  
16803-65  
16803-66  
16803-67  
16803-68  
16803-69  
16803-70  
16803-71  
16803-72  
16803-73  
16803-74  
16803-75  
16803-76  
16803-77  
16803-78  
16803-79  
16803-80  
16803-81  
16803-82  
16803-83  
16803-84  
16803-85  
16803-86  
16803-87  
16803-88  
16803-89  
16803-90  
16803-91  
16803-92  
16803-93  
16803-94  
16803-95  
16803-96  
16803-97  
16803-98  
16803-99  
16803-100

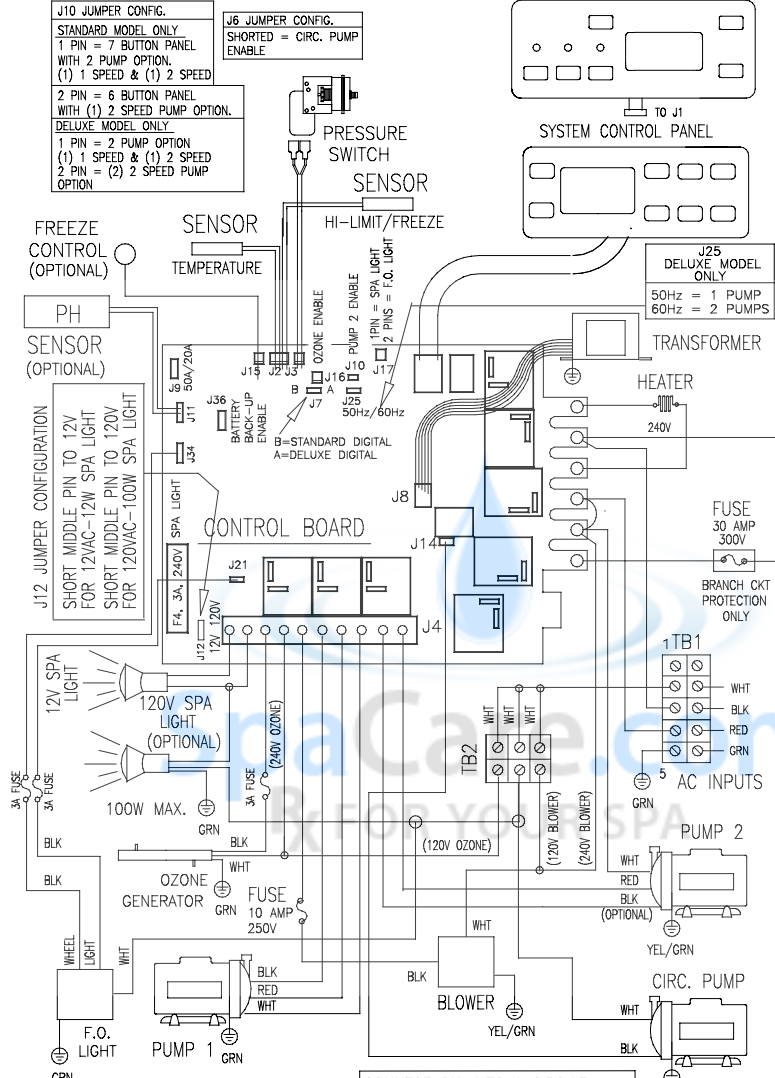
MODEL: DE-M3-DCA  
PAT. NO. 4618797

# Blower Ozone

USE COPPER CONDUCTOR ONLY  
#6 AWG MIN. WIRE = 60/75°C  
EMPLOYER UNIQUEMENT DES CONDUCTEURS DE CUIVRE.  
TORQUE RANGE FOR TBI: 21-23 IN. LBS

Balboa Instruments Incorporated  
01/14/06

M3 SYSTEM WIRING DIAGRAM  
P/N 53170-01



**J10 JUMPER CONFIG.**  
STANDARD MODEL ONLY  
1 PIN = 7 BUTTON PANEL WITH 2 PUMP OPTION, (1) 1 SPEED & (1) 2 SPEED  
2 PIN = 6 BUTTON PANEL WITH (1) 2 SPEED PUMP OPTION.  
DELUXE MODEL ONLY  
1 PIN = 2 PUMP OPTION (1) 1 SPEED & (1) 2 SPEED  
2 PIN = (2) 2 SPEED PUMP OPTION

**J6 JUMPER CONFIG.**  
SHORTED = CIRC. PUMP ENABLE

**J12 JUMPER CONFIGURATION**  
SHORT MIDDLE PIN TO 12V FOR 12VAC-12W SPA LIGHT  
SHORT MIDDLE PIN TO 120V FOR 120VAC-100W SPA LIGHT

**J25 DELUXE MODEL ONLY**  
50Hz = 1 PUMP  
60Hz = 2 PUMPS

DEVICE	VOLTAGE	RATING
PUMP1	240V	12A
PUMP2	240V	12A
CIRC. PUMP	120V	4A
OZONE	240/120V	1A
SPA LIGHT1	12V	12W
FIBER OPTIC	120V	2A
BLOWER	240/120V	8A
SPA LIGHT2	120V	100W
HEATER	240V	5.5KW

CONNECT ONLY TO A CIRCUIT 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."

**BLOWER OR OZONE 240V TO 120V CONVERSION**

- FOR BLOWER, DISCONNECT (WHT) WIRE @ FINGER #5. FOR OZONE, DISCONNECT (WHT) WIRE @ J4 #7.
- CLIP THE CONNECTOR OFF OF THE (WHT) WIRE AND STRIP THE INSULATION BACK APPROX. 1/4".
- MOVE (WHT) OZONE OR BLOWER WIRE TO (TIB2) POSITIONS AS INDICATED BY DASHED LINES.

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