


USE COPPER WIRE  
MIN 10 AWG  
@ 105° C


# Blower Ozone

USE COPPER CONDUCTOR ONLY  
#6 AWG MIN WIRE = 60/75C  
EMPLOYER UNIFORMEMENT DES CONDUCTEURS DE CUIVRE.  
TORQUE RANGE FOR TB1: 16-18 IN. LBS


P/N 53170HC1  
MODEL M3



Balboa Instruments Incorporated  
BALBOA INSTRUMENTS INC.  
TUSTIN, CA.



LISTED 74254



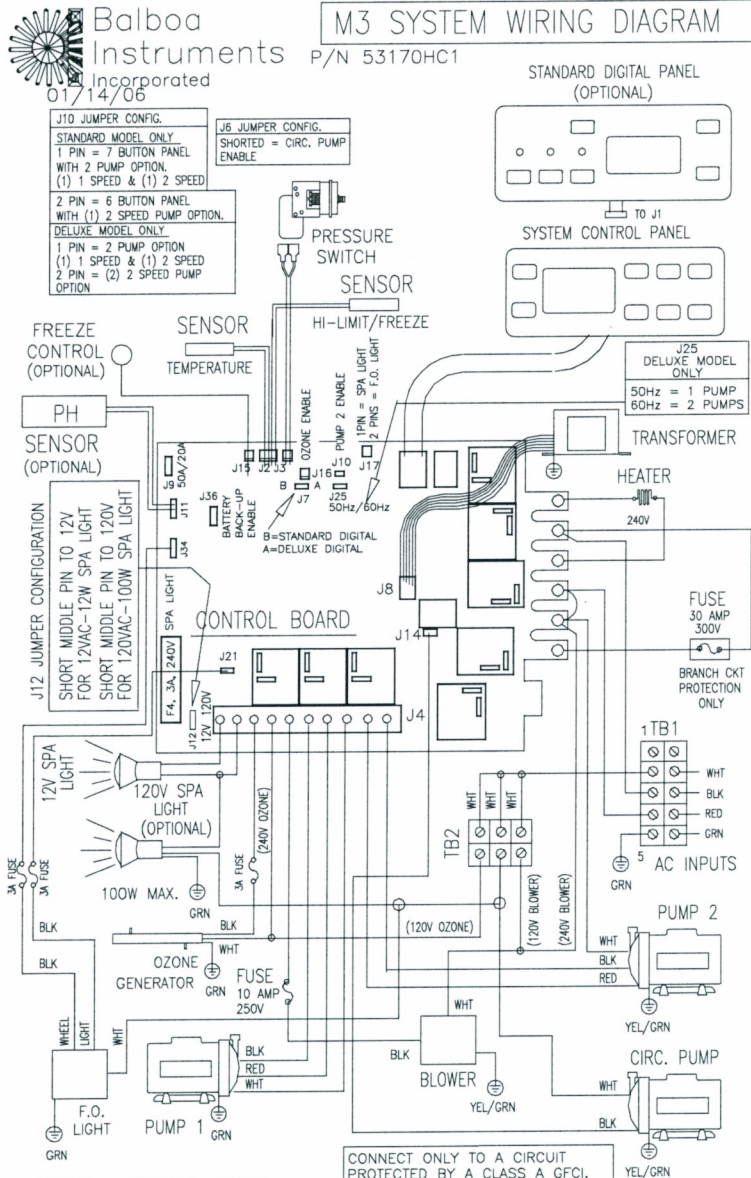
Certified to comply with the limits for a class B computing device pursuant to subpart J of part 15 of the FCC rules

60 HZ

MODEL: DE-M3-DCA

PAT. NO. 4618797

## M3 SYSTEM WIRING DIAGRAM



Balboa Instruments Incorporated  
01/14/06

**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.

**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

**J16 JUMPER CONFIG.**  
1 PIN = SPA LIGHT  
2 PINS = F.O. LIGHT

**J17 JUMPER CONFIG.**  
1 PIN = 50Hz  
2 PINS = 60Hz

**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 of 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 (TB2) POSITIONS AS INDICATED BY DASHED LINES.

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