

H136000

P/N 51423-02

MODEL H136



Balboa
Instruments
Incorporated
BALBOA INSTRUMENTS INC.
TUSTIN, CA.



LISTED US
74254



60 HZ

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

MODEL: DU-H136-CCAH

PAT. NO. 4618797

			
Ground	Hot	Hot	Neutral
USE COPPER WIRE MIN. 6 AWG		120V/240V 18A/40A 60Hz	



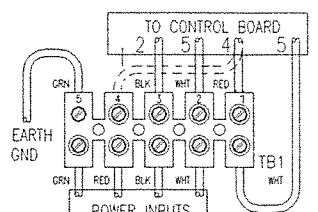
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07/22/99

H136 SYSTEM WIRING DIAGRAM

The diagram illustrates the electrical system for the H136. The central component is the CONTROL BOARD, which features various terminals (J1, J2, J10, J12, J14, J15, J16, J17, J18, J19, J20, J21) and components like a 20A 50A 5HR 2HR FUSE, a 3A FUSE, and a 20A FUSE. It is connected to a CONTROL PANEL with a power switch and a light. SENSORS for TEMPERATURE and HI-LIMIT/FREEZE are connected to J1 and J2. A PRESSURE SWITCH is connected to J10. A SPA LIGHT is connected to J12. A HEATER is connected to J14 and J15. AC INPUTS (WHT, BLK, RED, GRN) are connected to TB1. TB3 is connected to J16 and J17. A TRANSFORMER is connected to J19 and J20. A PUMP is connected to J21. An OZONE GENERATOR (OPTIONAL) is connected to WHT and BLK. The diagram also shows a GROUND connection for the pump and ozone generator.

CONVERSION DIAGRAM 120V TO 240V



The diagram shows the conversion from 120V to 240V. It includes a POWER INPUTS section with terminals for EARTH GND, GRN, RED, BLK, WHT, and TB1. A TO CONTROL BOARD section shows terminals 2, 5, 4, and 5. The connections are: EARTH GND to TB1, GRN to TB1, RED to TB1, BLK to TB1, WHT to TB1, and TB1 to TB1. The TO CONTROL BOARD section shows terminals 2, 5, 4, and 5. The connections are: 2 to TB1, 5 to TB1, 4 to TB1, and 5 to TB1.

CONVERSION INSTRUCTIONS:

1. CONVERSION MUST BE PERFORMED BY A QUALIFIED, LICENSED ELECTRICIAN. HARDWARE ONLY.
2. DISCONNECT FROM POWER & REMOVE CORD.
3. MOVE RED WIRE (TB1-1) TO (TB1-4) AS INDICATED BY DASHED LINES.
4. MOVE THE HEATER MODE SELECTOR (J8) ON THE CONTROL BOARD FROM 20A TO 50A POSITION.

If this unit is to be permanently connected, connect only to a circuit that is protected by a ground fault circuit interrupter (G.F.C.I.).