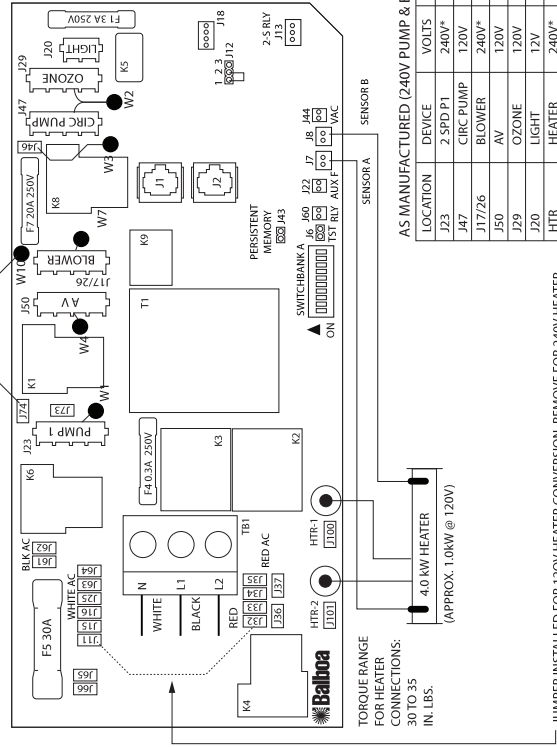


CONNECT ONLY TO CIRCUITS PROTECTED BY A CLASS A GFCI.
A DISCONNECTING MEANS MUST BE INSTALLED WITHIN SIGHT FROM THE EQUIPMENT AND AT LEAST 5 FEET (1.52 M) FROM THE INSIDE WALLS OF THE POOL, SPA, OR HOT TUB.

CONTROL PANEL
TO J1



- JUMPER INSTALLED FOR 120V HEATER CONVERSION. REMOVE FOR 240V HEATER.
- 120V TO 240V HEATER CONVERSION INSTRUCTIONS:
1. CONVERSION MUST BE PERFORMED BY A QUALIFIED, LICENSED ELECTRICIAN.
 2. DISCONNECT FROM POWER AND REMOVE POWER CORD.
 3. COMPLETELY REMOVE JUMPER WIRE BETWEEN J11 AND J32 AND DISCARD.
 4. INSTALL 240V POWER CONDUCTORS TO MAIN TERMINAL BLOCK (TB1)
 5. SET DIP SWITCH A10 TO OFF (DOWN)

USE COPPER CONDUCTORS ONLY.
EMPLOYER UNIFORMMENT DES CONDUCTEURS DE CUivre.
#6 AWG MIN. WIRE= 90°
FOR SUPPLY CONNECTIONS, USE CONDUCTORS SIZED ON THE BASIS OF 60°C AMPACITY BUT RATED MINIMUM OF 90°C.
TORQUE RANGE FOR MAIN TERMINAL BLOCK: 27-30 IN. LBS.

TEST MODE OFF	SWITCHBANK A OFF (DOWN)	SWITCHBANK A ON (UP)
SEE TABLE 1	A1	TEST MODE ON
EXT RELAY BOARD DISABLED	A2	EXT RELAY BOARD ENABLED
AUX FREEZE (MUST BE OFF)	A3	AUX FREEZE (MUST BE OFF)
SEE CIRC PUMP BEHAVIOR	A4	SEE CIRC PUMP BEHAVIOR
SEE CIRC PUMP BEHAVIOR	A5	SEE CIRC PUMP BEHAVIOR
J17/26 DISABLED	A6	50HZ
DEGREES F	A7	J17/26 ENABLED
SEE CIRC PUMP BEHAVIOR	A8	DEGREES C
SEE TABLE 1	A9	SEE CIRC PUMP BEHAVIOR
SEE TABLE 1	A10	SEE TABLE 1

ALL UNUSED SWITCHES SHOULD BE OFF

TABLE 1

# OF HIGH-SPEED PUMPS AND/OR BLOWER WITH HEATER	A2	A10
0 HIGH-SPEED PUMP OR BLOWER	OFF	OFF
1 HIGH-SPEED PUMP OR BLOWER	ON	OFF
2 HIGH-SPEED PUMPS OR 1 HIGH-SPEED PUMP AND BLOWER	OFF	ON
3 HIGH-SPEED PUMPS OR 2 HIGH-SPEED PUMPS AND BLOWER	ON	ON

OPTIONAL (120V PUMP & BLOWER)

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO
J23	2 SPD P1	120V	15A	W1	WHT AC
J47	CIRC PUMP	120V	4A	W2	WHT AC
J17/26	BLOWER	120V	15A	W7	WHT AC
J50	AV	120V	2A	W4	WHT AC
J29	OZONE	120V	1A	W2	WHT AC
J20	LIGHT	12V	12W	WHT TERM	HTR 1/2
HTR	HEATER	120V*	1.0kW	HTR TERM	HTR 1/2

CIRC PUMP BEHAVIOR

CIRC PUMP	A5	PUMP 1 SPEEDS
NO CIRC PUMP	OFF	2-SPEED
CIRC ACTS LIKE PUMP 1 LOW	ON	1-SPEED
24 HR WITH 3°F SHUT-OFF	OFF	1-SPEED
24 HR WITH 3°F SHUT-OFF	ON	2-SPEED

AS MANUFACTURED (240V PUMP & BLOWER)

LOCATION	DEVICE	VOLTS	AMPS	FROM	TO
J23	2 SPD P1	240V*	12A	W1	RED AC
J47	CIRC PUMP	120V	4A	W2	WHT AC
J17/26	BLOWER	240V*	12A	W7	RED AC
J50	AV	120V	2A	W4	WHT AC
J29	OZONE	120V	1A	W2	WHT AC
J20	LIGHT	12V	12W	HTR TERM	HTR 1/2
HTR	HEATER	240V*	4.0kW	HTR TERM	HTR 1/2

- *ALL DEVICES LABELED 240V WILL RUN AT 120V WHEN HEATER IS CONVERTED TO 120V
CIRC PUMP IS AN OPTIONAL DEVICE. SEE CIRC PUMP BEHAVIOR TABLE.
- USE EARTH GROUND CONNECTIONS AS INDICATED INSIDE THE SYSTEM ENCLOSURE