

ELECTRICAL INSTALLATION GUIDE

CONNECTION TO POWER SUPPLY

WARNING: YOUR SEISCO® MUST BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL. DAMAGE TO YOUR UNIT, SERIOUS PERSONAL INJURY OR DEATH MAY OCCUR IF INSTALLED OR HANDLED IMPROPERLY. CARE MUST ALWAYS BE USED TO AVOID ELECTRICAL ACCIDENTS WHEN INSTALLING OR SERVICING. NEVER USE PARTS THAT ARE NOT ORIGINAL EQUIPMENT OR APPROVED ALTERNATE REPLACEMENT PARTS.

NOTE: THIS WATER HEATER MUST BE INSTALLED TO MEET THE CURRENT NATIONAL ELECTRIC CODE, AND ANY APPLICABLE LOCAL PLUMBING, ELECTRICAL, HEATING AND AIR CONDITIONING CODES.

Install wiring (see wiring diagram) from the unit to the Main Power Circuit Breaker Panel. Connect the wiring to the unit as shown on the wiring diagram attached to the inside of the unit's cover.

WARNING

MOST MODELS REQUIRE MULTIPLE POWER SOURCES. WHEN WIRED DIRECTLY TO THE BREAKER BOX, THEY REQUIRE MORE THAN ONE DOUBLE POLE CIRCUIT BREAKER.

RISK OF ELECTRICAL SHOCK. HEATING ELEMENT IS NOT GROUNDED. ALL UNITS CAN HAVE MULTIPLE POWER SUPPLIES. DISCONNECT ALL POWER SUPPLIES BEFORE SERVICING.

IF USING STRANDED WIRE, MAKE SURE THAT ALL STRANDS ARE IN SECURELY PLACED IN THE TERMINAL BLOCK. A LOOSE STRAND IN CONTACT WITH THE CIRCUIT BOARD CAN IMPAIR PERFORMANCE OR DAMAGE THE BOARD.

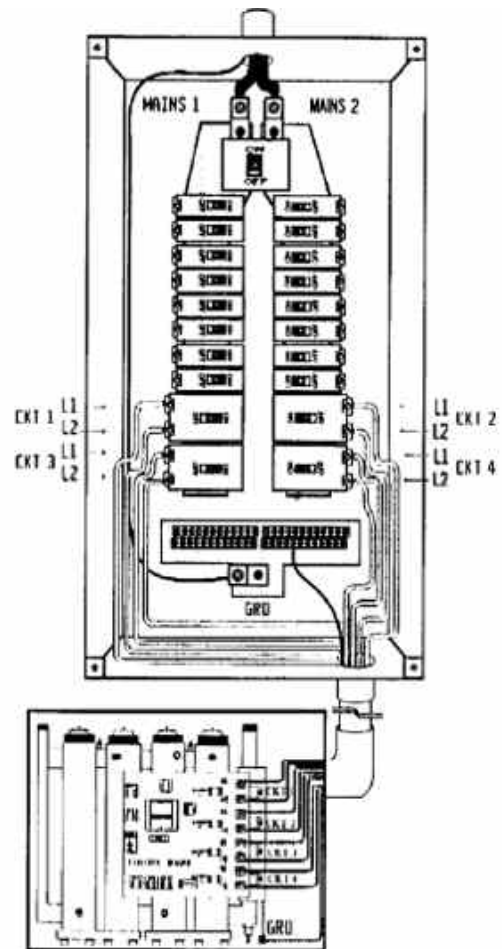
HEATER SUPPLY SIDE CONNECTION

FOR TWO CHAMBER MODELS INSTALLED WITH A SINGLE BREAKER AND WITH JUMPERS INSTALLED ON THE CIRCUIT BOARD, ONE PAIR OF WIRES SHOULD BE ATTACHED WITHIN THE UNIT AT POWER CIRCUIT 1 (CKT 1)-ONE WIRE TO L1 AND ONE WIRE TO L2. FOR TWO CHAMBER MODELS INSTALLED WITH A TWO BREAKERS AND WITH JUMPERS REMOVED (OR FOUR CHAMBER MODELS WITH JUMPERS INSTALLED), A SECOND PAIR OF WIRES MUST ALSO BE ATTACHED AT POWER CIRCUIT 2 (CKT2)- ONE TO L1 AND ONE TO L2.

FOR FOUR CHAMBER MODELS WITH JUMPERS REMOVED, A THIRD AND FOURTH PAIR OF WIRES ARE REQUIRED FOR POWER CIRCUITS 3 AND 4 (CKT 3 & CKT 4).

JUMPERS ARE FACTORY INSTALLED ON SMALLER KW MODELS AND ARE INCLUDED IN THE BOX FOR OPTIONAL INSTALLATION ON LARGER KW MODELS. CONSULT THE WIRING DIAGRAM OR SEISCO CUSTOMER SERVICE FOR ADDITIONAL INFORMATION.

MAIN POWER CIRCUIT BREAKER



WHERE REQUIRED BY CODE USE A DISCONNECT SWITCH ADJACENT TO THE WATER HEATER. WHEN MAKING THIS TYPE OF INSTALLTION, BE SURE THE MAIN FEEDER WIRES USED ARE PROPERLY SIZED.

PRODUCT SPECIFICATIONS

PHYSICAL DESCRIPTION

Model & Number	Height	Width	Depth	Pipe Size (NPT)	Approx. Shipping Weight
Two Chamber	15 ¾ "	10 ¼ "	6 ¼ "	¾ "	17 lbs.
Four Chamber	15 ¾ "	15 ¾ "	6 ¼ "	¾ "	23 lbs.

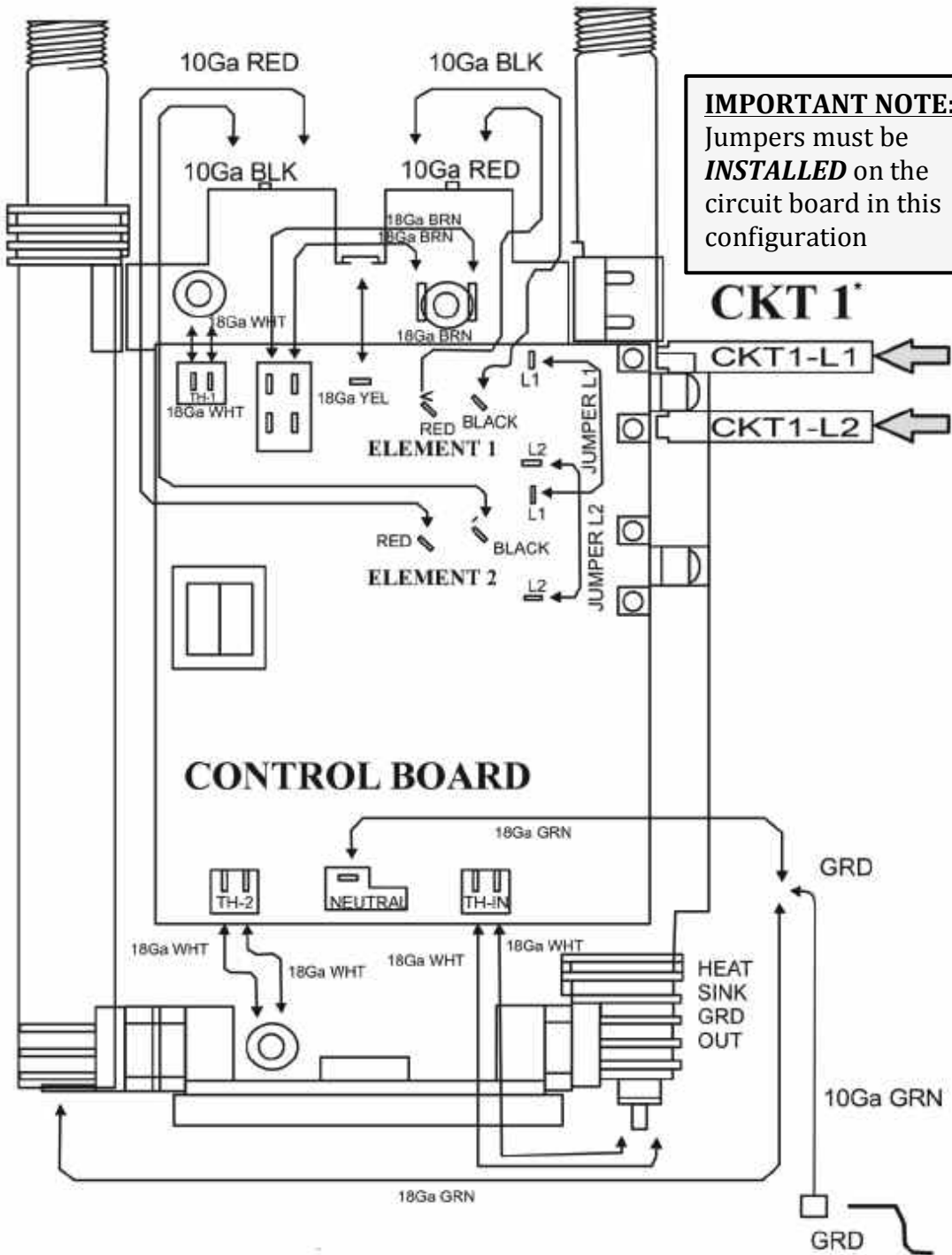
RATINGS - ELECTRICAL

Model & Number	Kilowatts (KW)	Voltage (VAC)	Maximum Amperes (AMPS)	Number of Circuit Breakers , Type & Amp Rating	
				Without Jumpers	With Jumpers
RA-14	14	240	58	<i>(2) 2-pole, 30A¹</i>	(1) 2-pole, 60A
RA-16	16	240	67	(2) 2-pole, 40A	<i>(1) 2-pole, 70A¹</i>
RA-18	18	240	75	<i>(2) 2-pole, 40A¹</i>	(1) 2-pole, 75A
RA-22	22	240	91	<i>(4) 2-pole, 25A¹</i>	(2) 2-pole, 50A
RA-28	28	240	116	(4) 2-pole, 30A	<i>(2) 2-pole, 60A¹</i>
RA-32	32	240	134	(4) 2-pole, 40A	<i>(2) 2-pole, 70A¹</i>

¹Optional wiring method shown in italics - **VERIFY CORRECT JUMPER INSTALLATION** on control board when using a single breaker for two Chamber Models or 2 breakers for Four Chamber models. Be sure to **REMOVE JUMPERS** when using two breakers for two chamber models or 4 breakers for four chamber models. Jumpers are included with heater when not factory installed for use with optional wiring methods.

WIRING DIAGRAMS

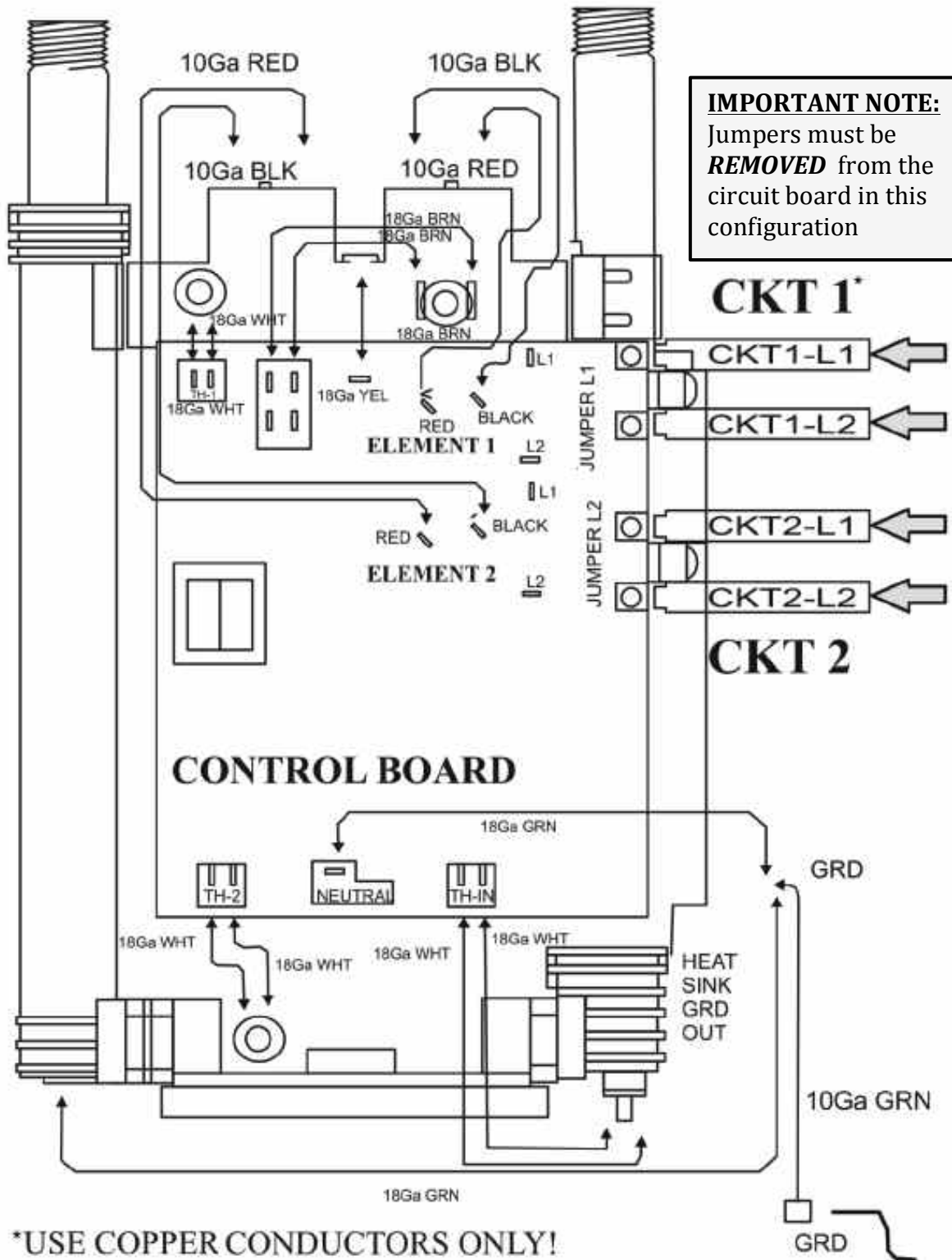
TWO CHAMBER - SINGLE CIRCUIT



*USE COPPER CONDUCTORS ONLY!

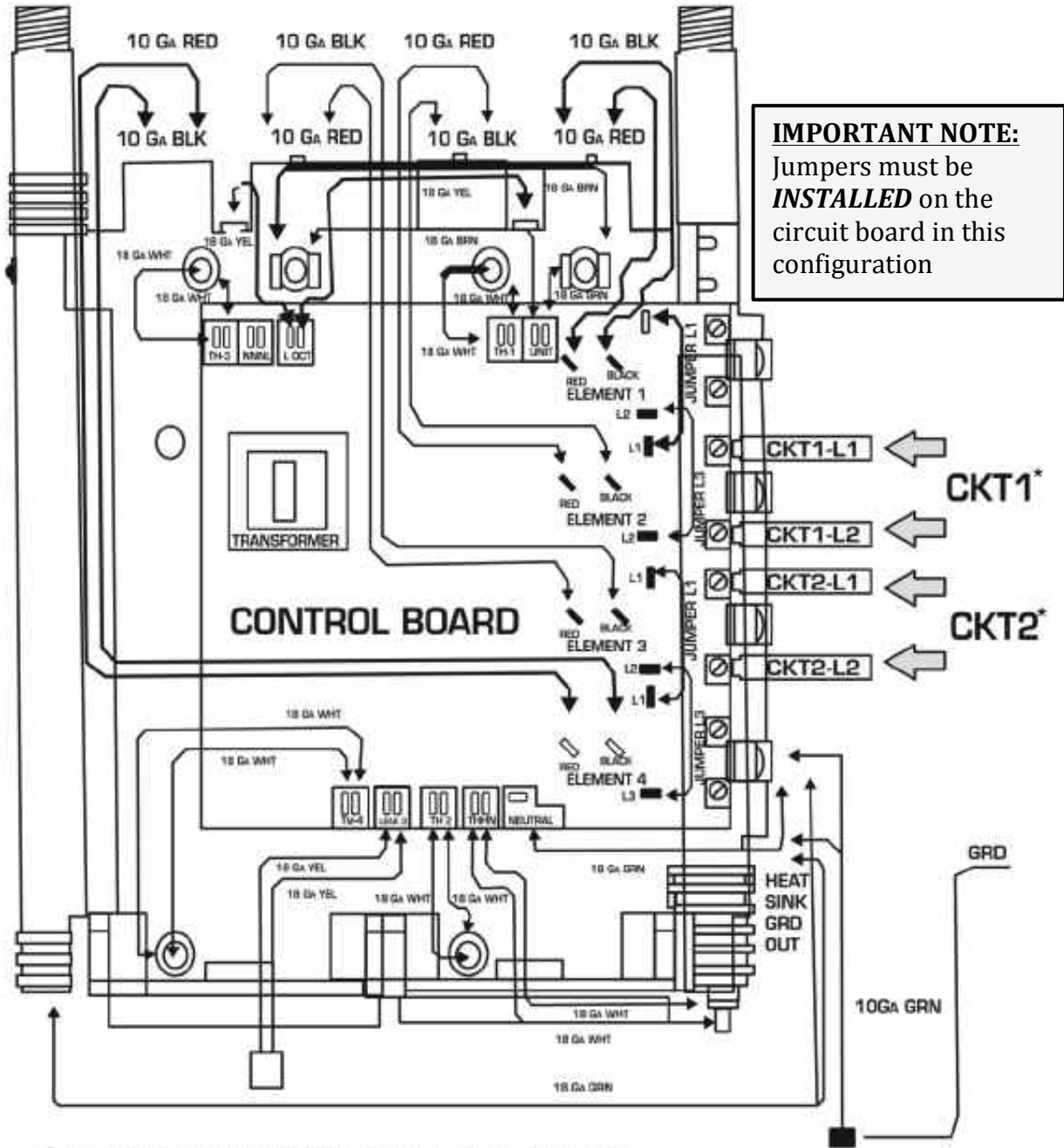
WIRING DIAGRAMS

TWO CHAMBER - DUAL CIRCUITS



WIRING DIAGRAMS

FOUR CHAMBER - DUAL CIRCUITS



WIRING DIAGRAMS

FOUR CHAMBER - FOUR CIRCUITS

