

MODEL NUMBER:

SERIAL NUMBER:

INFORMATION MANUAL

This Information Manual is for the Tankless water heater Models.

E-12-2, E-14-2, E-16-2, E-16-4, E-18-4, E-24-4, E-28-4 and E-36-6.



ATTENTION:

**IF YOU ARE NOT A LICENSED PLUMBER OR A LICENSED ELECTRICIAN,
YOUR WARRANTY WILL BECOME INVALID IF YOU ATTEMPT TO
INSTALL OR SERVICE THE UNIT YOURSELF.**

FOR MORE DETAILED SCHEMATICS AND WIRING DIAGRAMS
VISIT, www.HOTWATERHEATER.COM.

2060 B WHITFIELD PARK AVENUE, SARASOTA, FLORIDA 32423. 800 826 5537

Caution: This product has more than one power-supply connection point. Disconnect all power supplies before servicing.

For supply connections use #6 AWG or larger wires suitable for t least 90* C.

MAXIMUM PSI IS 150 LBS.



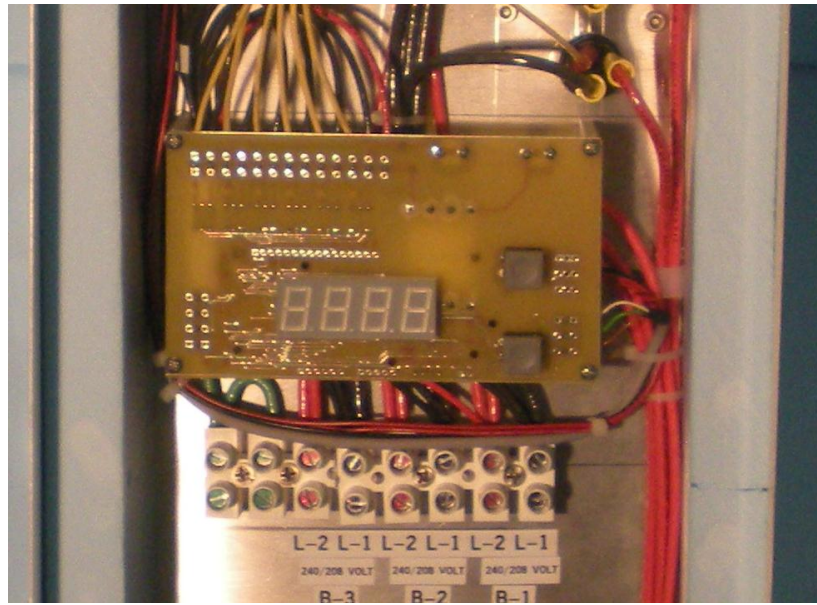
ankless, Inc.

SAVING, TANKLESS HOT WATER HEATERS

INSTALLATION INSTRUCTIONS

- 1- REMOVE THE FRONT COVER.
- 2- REMOVE THE TOP COVER.
- 3- MOUNT ON THE WALL.

- A-** A mounting bracket is attached at the factory for four element and larger units. There are two holes in the back of the box for the two element units. Mount the heater to the wall and secure it to the wall with screws thru the bracket. We recommend using a level and marking the wall for screw placement.
- B-** Install all piping and fittings. Let all fittings cool before turning on the water. Do not over-tighten the joints or you may damage the flow control on the inbound side.....the right side of the heater. There must be 18" of copper pipe installed before and after the unit.
- C-** As with any water heating device there must be a pressure relief valve installed with the unit and plumbed to the outside. This part is not supplied by the manufacturer but must be installed by the plumber or the warranty on this unit is not valid. Also, if there is no T & P valve installed the manufacturer will not accept any responsibility for any damage that may occur as a result of improper installation.
- D-** Connect the electric supply wires from the breaker panel using 90* C wiring to L-1 and L-2 terminals inside the heater using one, two, or three pairs of 90* C wires with ground.



- E- Turn on the main water supply. Fill the heater and piping system with water. Check for leaks and fix if necessary. After filling the heater with water and checking for leaks, purge air out of all sinks, tubs, etc. You may need to remove dirt from the faucet strainers to prevent dirt from clogging the faucets.
- F- **While the water is still running, turn on the the main breaker(s).** The pilot light will illuminate and after one minute you can turn off the water.
- G- **Check for proper phasing of the heater.** Using a voltage meter check the power across the lines on breakers one and two. It should read 208 or 240 from line one to line two on each breaker. Next, check the voltage from line 1 on breaker one to line 1 on breaker two. It should read 0. Check the voltage from line 2 on breaker 1 to line 2 on breaker 2. It should read 0.

If that is not true take the wires at breaker two and move the wire connected to line 1 to line 2 and the one connected to line 2 to line 1 and retest.

Please refer to the label below for the proper voltages for all our heaters and breakers. For our three breaker heaters the above tests must be correct for all three breakers.

These tests must be done to validate your warranty. The unit will not operate properly if it is not properly phased.

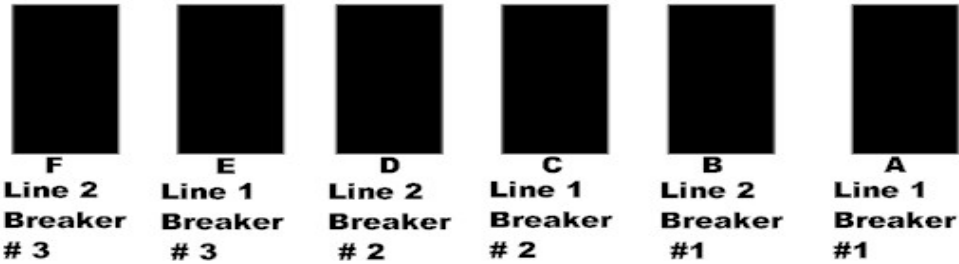
H- Your tankless heater is ready for operation.

I- Install all covers to completely enclose unit and tighten screws provided.

The logo for Tankless, Inc. features a stylized, light blue graphic on the left consisting of several overlapping circles and shapes, resembling water droplets or bubbles. To the right of this graphic, the word "Tankless, Inc." is written in a large, light gray, sans-serif font.

Tankless, Inc.

QUALITY, ENERGY-SAVING, TANKLESS HOT WATER HEATERS



Installation instructions: Wiring for all Tankless, Inc. electric heaters

- 1. Pull in correct wire and breakers per national electrical code and the required breakers as shown on the master label on the front panel. You may have one, two, or three breakers. Ground is not shown but is also necessary.**
- 2. Install and tighten wires from proper breaker and line as shown above.**
- 3. Test voltage to be sure step 2 was done properly.**

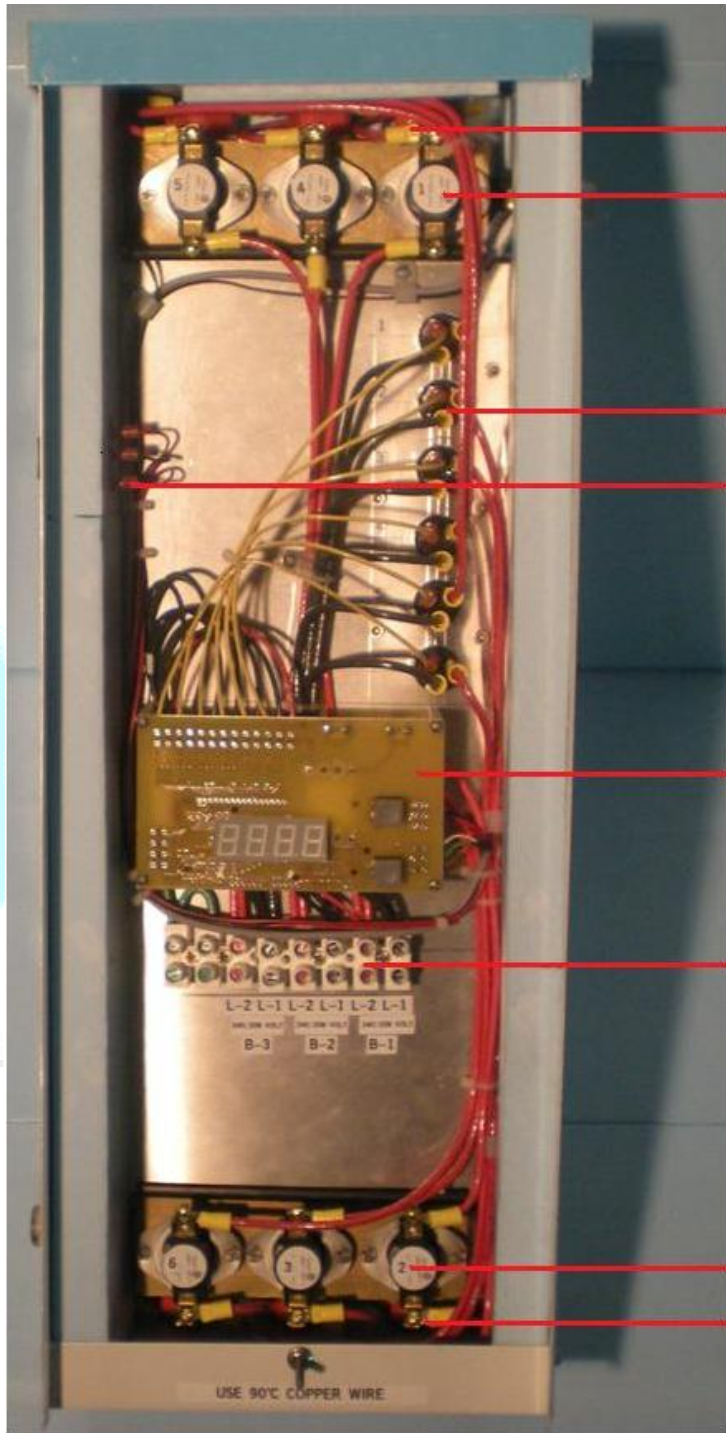
VOLTAGE FROM	A TO B =	208 to 240
VOLTAGE FROM	C TO D =	208 to 240
VOLTAGE FROM	E TO F =	208 to 240
VOLTAGE FROM	A TO C =	0
VOLTAGE FROM	B TO D =	0
VOLTAGE FROM	D TO F =	0

IF THIS IS NOT THE READING YOU GET THE UNIT IS NOT WIRED PROPERLY.

DO NOT TURN ON ANY BREAKERS UNTIL YOU CORRECT THIS PROBLEM. YOU WILL VOID YOUR WARRANTY.

QUALITY

nc.
ER HEATERS



ELEMENT
THERMOSTAT

TRIAC
TEMPERATURE
CONTROL
SWITCH

CONTROLLER

ELECTRICAL
BLOCK

THERMOSTAT
ELEMENT

USE 90°C COPPER WIRE

C.
WATERS

Tankless, Inc. 800-826-5537

Recovery Chart Whole House Residential Products In Gallons Per Minute(G.P.M) and Gallons Available for the first 15 minutes at various temperature rises

		Gallons Output					Kilowatts	BTUs per Hr	Breakers Required
Model	Zone Temperature Rise in degrees	Zone 1 40	Zone 2 50	Zone 3 60	Zone 4 65	Zone 4 Winter 80			
<i>E-16-4</i>	Gallons per minute G. P. M.	2.7	2.2	1.8	1.7	1.4	16	54,592	70
	Gallons available first 15 minutes	41	33	28	25	21			
<i>E-18-4</i>	G. P. M.	3.1	2.5	2.0	1.9	1.5	18	61,416	50/40
	Gallons available first 15 minutes	44	37	31	28	23			
<i>E-24-4</i>	G. P. M.	4.1	3.3	2.8	2.5	2.1	24	81,888	50/50
	Gallons available first 15 minutes	61	49	41	38	31			
<i>E-28-4</i>	G. P. M.	4.8	3.8	3.2	2.9	2.4	28	95,536	60/60
	Gallons available first 15 minutes	72	58	48	44	36			
<i>E-36-6</i>	G. P. M.	6.2	4.9	4.2	3.8	3.1	36	122,832	50/50/50
	Gallons available first 15 minutes	92	74	62	57	46			
<i>Tankless2009 with a E-28-4 as the heating unit</i>	G. P.M.	4.8	4.8	4.8	3.8	3.2	28	95,536	60/60
	Gallons available first 15 minutes	72	72	72	58	48			
<i>Tankless2009 with a E-36-6 as the heating unit</i>	G. P. M.	6.2	6.2	6.2	4.9	4.2	36	122,832	50/50/50
	Gallons available first 15 minutes	92	92	92	74	62			
<i>BY 18</i>	G. P. M.	3.1	2.5	2.1	1.9	1.5	18	61,416	50/40
<i>includes a 50 gallon tank</i>	Gallons available first 15 minutes	96	87	81	78	73			
<i>BY24</i>	G. P. M.	4.1	3.3	2.7	2.5	2.1	24	81,888	50/50
<i>includes a 50 gallon tank</i>	Gallons available first 15 minutes	111	99	91	81	81			
<i>Solar PV8040</i>	G. P. M.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<i>includes a 80 gallon tank</i>	Gallons available first 15 minutes	80	80	80	80	80			
Red #s	indicate this	model provides	over 2.6 G.P.M.	or 39	gallons in	15	minutes.		
That amount	is enough for one	sink	and	shower at the	same	time. That is	our		
definition of	a whole house	heater							

T.C.
EATERS

QUAL

Tankless, Inc. 800-826-5537

**Recovery & Engineering Chart Point of Use Residential Products
In Gallons Per Minute (G.P.M) and Gallons Per Hour (G.P.H)
at various temperature rises**

Model	Zone Temperature Rise in degrees	Gallons Output					Kilowatts	Maximum AMP draw	BTUs per Hr	Breakers Required
		Zone 1 40	Zone 2 50	Zone 3 60	Zone 4 65	Zone 4 Winter 80				
<i>E-12-2</i>	G.P.M.	2.1	1.6	1.4	1.3	1.0	12	50	40,944	50
	G.P.H.	123	99	82	76	62				
<i>E-14-2</i>	G.P.M.	2.4	1.9	1.6	1.5	1.2	14	58	47,768	60
	G.P.H.	144	115	96	89	72				
<i>E-16-2</i>	G.P.M.	2.7	2.2	1.8	1.7	1.4	16	66	54,592	70
	G.P.H.	164	131	110	101	82				



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