



INSTALLATION INSTRUCTIONS & HOME OWNERS MANUAL

MODELS: ECO 16 – 18 – 21 – 24 – 27

IMPORTANT SAFETY INFORMATION

As when installing or using any high voltage electrical appliance, basic safety precautions should always be followed. Under no circumstances should you attempt to clean, install, inspect, repair, disassemble or otherwise service this water heater without first shutting off all power to the unit directly at the breaker box. **SERIOUS BODILY INJURY OR DEATH COULD OCCUR IF YOU IGNORE THIS WARNING.**

THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN & PLUMBER IN ACCORDANCE WITH ALL NATIONAL, STATE, PROVINCIAL AND LOCAL ELECTRICAL & PLUMBING CODES.

PLEASE READ THESE INSTRUCTIONS THOROUGHLY AND COMPLETELY PRIOR TO INSTALLATION & USE. FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE OR SERIOUS INJURY OR DEATH & VOID YOUR WARRANTY

This manual should be given to the homeowner after installation and should be retained for future reference.

Please note: Installations in the commonwealth of Massachusetts and state of Kentucky require a pressure relief valve.

THIS WATER HEATER WAS TESTED WITH BOTH WATER AND ELECTRICAL CONNECTIONS SIMULATING A STANDARD INSTALLATION PRIOR TO SHIPPING.

ABOUT YOUR TANKLESS WATER HEATER

Congratulations on the purchase of your Tankless Water Heater! You have purchased the most technologically-advanced tankless water heater in the market today. Your ECOSMART Tankless Water Heater is backed by the industry's most comprehensive warranty.

Your new tankless water heater features advanced water flow rate and temperature sensors designed to modulate power to the heating elements to maintain a precise user-selected output water temperature between 85F and 140F (subject to incoming water temperature and power of the selected model).

To get the best performance and energy savings from your tankless water heater, it is important that it be installed in accordance with our instructions and the electrical and plumbing codes applicable to your area, and that you read this manual thoroughly for important operating instructions and tips.

At any time, if you have any questions, please contact your Authorized Dealer, or contact us directly at:

ECOSMART US, L.L.C.
3315 NW 167TH STREET, MIAMI GARDENS, FLORIDA 33056
Toll Free: 1-877-474-6473

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1- BEFORE YOU INSTALL THIS PRODUCT

PLEASE READ THESE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE INSTALLATION AND BEFORE USE. FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE OR SERIOUS PERSONAL INJURY OR DEATH & VOID YOUR WARRANTY.

By installing this product, you acknowledge the terms of the manufacturer's warranty and your Authorized Dealer's return policies. Water heaters that have been installed cannot be returned. If you have any questions regarding the warranty or product return policies, please consult your Authorized Dealer prior to installation.

Open the box and carefully unpack the water heater. Inspect all components. The contents of your box should include the following:

Models: Eco 16 - 18	Models: Eco 21 - 24 - 27
Tankless water heater	Tankless water heater
Installation instructions & Homeowners manual	Installation instructions & Homeowners manual

2- SELECTING A LOCATION TO INSTALL

This product is designed to be installed indoors only. You may be able to install your unit in an outdoor location as long as it is mounted in a suitable enclosure that protects it from rain, splashed water, direct sunlight, debris, and insects. This product should NOT be installed in a location where it may be subject to freezing temperatures. If the water inside your tankless water heater freezes, it can cause severe and permanent damage that is not covered under your warranty. If you suspect that your tankless water heater may have frozen, do not turn on the heater until it has thawed and you have inspected the system for leaks. We highly recommend that you contact us if you suspect that your tankless water heater may have been frozen with water inside it.

When selecting an installation location, give consideration to your existing plumbing configuration, location of your main electrical panel, and location of your bathrooms, kitchen, and laundry area. Try to choose a location that does not require you to make major plumbing alterations, that is close to your main electrical panel (this will reduce the amount of wire that you need to install), and that is physically close to the hot water applications (faucets) that you use most often. By locating the heater close to the points-of-use, you will reduce the amount of time it takes for the hot water to travel from the water heater to your faucet. You should also give consideration to future servicing. Do NOT locate the water heater in a location that is difficult to access. In most cases, installing your tankless water heater in the same location as your old conventional tank-type water heater will make the most sense.

Regardless of your installation location, your water heater should be installed in a manner that will NOT allow combustible materials to come in contact with the water heater or outlet water pipe. Combustible materials should be kept at least 24 inches away from your water heater and the output hot water pipe. Make sure that the water heater, outlet hot water pipe are out of the reach of children so they cannot tamper with the temperature controls or injure themselves by touching the hot water outlet pipe. The output water pipe can get very hot.

This product does NOT require venting.

You should avoid installing your tankless water heater in a location prone to excessive humidity, moisture, or dust, or in an area where it may be splashed with water or other liquids. Do NOT install under water pipes or air conditioning lines that might leak or condense moisture that could then drip onto the heater. Do NOT install above electrical boxes or junctions.

If you plan to install your water heater on a second floor or in a heated attic space, make sure that you follow all code requirements for such installations as required for your area. We recommend that you install a drip pan (connected to a safe drain) below the water heater to avoid property damage in the unlikely event of a leak. Alternatively, you can install an active water leak detector and shutoff valve designed to turn off your water supply in the event that a leak is ever detected (we recommend the Floodstopper by FirstSmart Sensor Corp. – www.a-leak-detector.com).

3- MOUNTING YOUR WATER HEATER

Your Tankless Water Heater should be secured to the mounting surface with 4 screws (minimum 1 inch long) using the built-in mounting brackets on each side of the heater. Make sure that the mounting surface is solid and secure, and ensure that the unit is level prior to securing the screws. For ease of installation and servicing, we recommend that this product be installed in an upright position with the inlet and outlet water connections at the bottom of the unit.

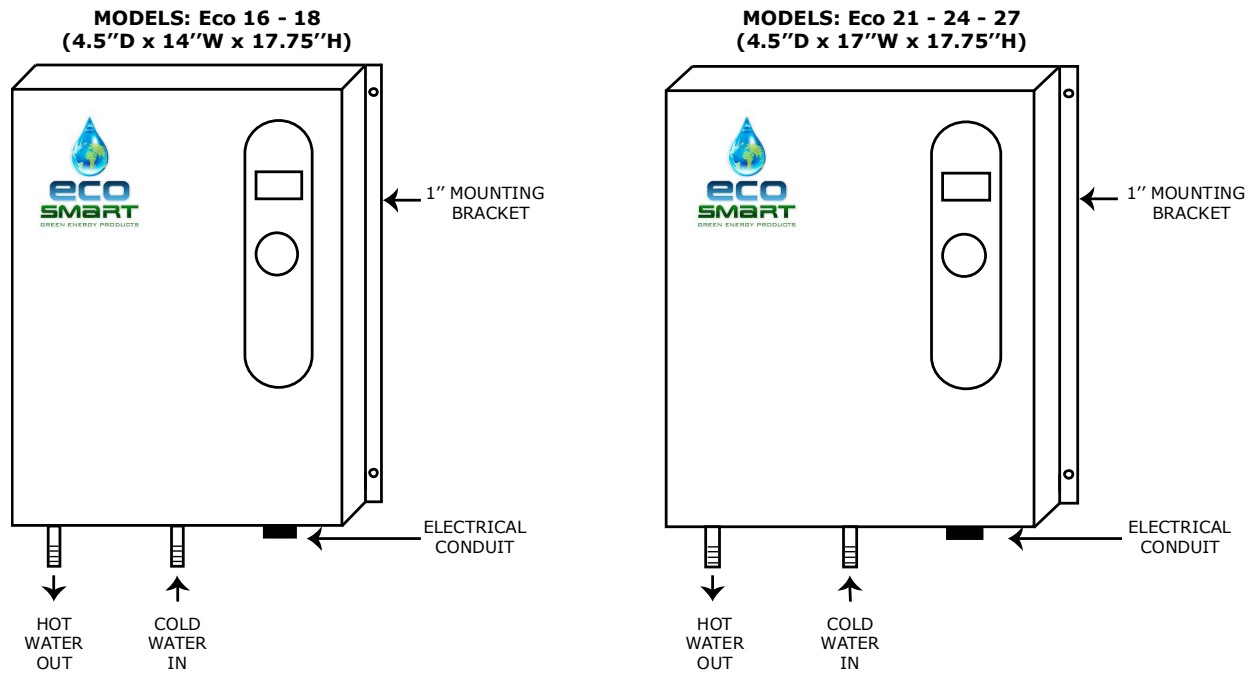
Recommended Clearances:

Above and below heater: 12 inches

To front panel: 6 inches

To sides: 6 inches

CAUTION: Combustible materials should be kept at least 24 inches away from your water heater and the output hot water pipe.



4- PLUMBING INSTALLATION

PLEASE READ THESE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE INSTALLATION AND BEFORE USE. FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE OR SERIOUS PERSONAL INJURY OR DEATH, AND VOID YOUR WARRANTY.

Please follow all plumbing instructions carefully. This product must be installed by a licensed and qualified plumber in accordance with all applicable national, state, provincial, and local plumbing codes.

IMPORTANT NOTES:

1. DO NOT SOLDER ANY PIPES WITH UNIT CONNECTED TO PIPES - IF YOU DO, YOU MAY DAMAGE THE FLOW SENSOR AND VOID THE WARRANTY. WE RECOMMEND USE OF WATER HEATER FLEX HOSES FOR EASE OF INSTALLATION

2. The ECOSMART Tankless Water Heater is equipped with both computer-controlled and electro-mechanical auto-resetting thermostat switches for high-limited temperature protection. Since this product does not use a storage tank, the use of a temperature pressure relief valve (T&P) is not required for most installations. UL Standard 499 does NOT require that a pressure relief valve be used. However, a T&P valve may be required to meet installation codes in your area. If one is required, install the pressure relief valve in accordance with your code and ensure that it operates correctly and that air is purged from the valve prior to installing your water heater. When connecting to Flex or High Temperature CPVC pipe, we recommend that a T&P valve be used for added safety. If a pressure relief valve is used, it should be connected to a drain.

Please note: Installations in the Commonwealths of Massachusetts and State of Kentucky require a pressure relief valve.

3. The maximum recommended operating water pressure is 100 PSI. If your water pressure is higher than this, we recommend that a pressure reduction valve be installed on your main incoming water supply line prior to installing your tankless water heater.

4. Flexible water heater hoses can and are recommended to be used with your water heater as part of the installation. WHEN CONNECTING THE INLET WATER TO THE UNIT MAKE SURE YOU USE A WRENCH TO HOLD THE UNITS CONNECTION AND ANOTHER WRENCH TO TIGHTEN SO THE FLOW SENSOR ON THE UNIT IS NOT LOOSENED OR DAMAGED. Serious internal damage to your water heater can occur if you over-tighten the water heater inlet connections at the unit or if you solder any pipe to the inlet and outlet connections. Such damage is NOT covered under the warranty.

5. We recommend that all water pipe within 3 feet of the inlet and outlet hoses be copper although other forms of plastic tubing are acceptable as long as they are rated for high temperature applications.

STEP 1 Bring the HOT WATER and COLD WATER lines to the heater. We recommend that a manual shut-off valve (ball valve) be installed on the inlet side of the water heater so there is a convenient shut-off point available in the event that future maintenance or servicing is required. Before connecting these pipes to the water heater hoses if used, it is extremely important to FLUSH the lines to eliminate all plumbing paste or residue in the lines caused by any welding or soldering. We recommend using flex water heater hoses for ease of installation.

STEP 2 Connect the HOT WATER line to the water heater marked HOT WATER OUT located on the left side of the heater when facing unit. Connect the COLD WATER line to the water heater marked COLD WATER IN on the right side when facing unit. DO NOT USE TEFLON TAPE OR PASTE on fittings.

STEP 3 After tightening both fittings at the water heater, open several hot water faucets and allow water to run through the water heater for at least 2 to 3 minutes. This process purges all the air from the water lines and MUST be performed prior to turning on the power at the unit. FAILURE TO FOLLOW THIS STEP CAN CAUSE PERMANENT DAMAGE TO THE HEATING ELEMENTS. When any maintenance is performed on the water heater or the home's plumbing system that may introduce air into the plumbing pipes, it is important to turn the power off to the water heater and purge the air out of the lines before allowing the unit to power up.

STEP 4 Carefully inspect all connections, unions, and the pressure relief valve (if installed) for leaks.

STEP 5 If your water heater is installed on a second floor, heated attic, or other location where water damage could occur a water pan is required.

5- ELECTRICAL INSTALLATION

PLEASE READ THESE INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE INSTALLATION AND BEFORE USE. FAILURE TO DO SO COULD CAUSE PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, DEATH AND VOID YOUR WARRANTY.

This product **must be installed by a licensed and qualified electrician** in accordance with all applicable national, state, provincial, and local electrical codes. **As with all electrical appliances, under no circumstances should you attempt to install, repair or disassemble this water heater without first shutting off all power to the unit directly at the fuse or breaker box. SERIOUS BODILY INJURY OR DEATH COULD OCCUR IF YOU IGNORE THIS WARNING.**

All wiring (wire gauge) and circuit protection (breakers) must comply with the U.S. National Electrical Code (NEC) in the U.S.A., or the Canadian Electrical Code (CEC) in Canada. Failure to do so could result in property damage and / or personal injury, and void your warranty. Note: the Canadian Electrical Code generally requires that all supply wires and corresponding circuit protection (breakers) used for domestic hot water heating and hydronic heating applications be sized to a minimum of 125% of the maximum current rating of the heater (see model specifications below for details).

Before installing this product, ensure that the home has sufficient electrical power available to handle the maximum amperage load of the applicable model.

Figure # 1

Electrical specifications by model

MODELS	ECO 16	ECO 18	ECO 21	ECO 24	ECO 27
ELEMENTS	2	2	3	3	3
VOLTAGE	240 V	240 V	240 V	240 V	240 V
MAX KILOWATTS	16	18	21	24	27
WATTS	16000	18000	21000	24000	27000
EACH SUPPLY	8 WK	9 KW	7 KW	8 KW	9 KW
MAX AMPERAGE DRAW	66.6 AMPS	75 AMPS	87.5 AMPS	100 AMPS	112.5 AMPS
RECOMMENDED HOUSE ELECTRICAL SERVICE	100 AMPS	125 AMPS	200 AMPS	200 AMPS	200 AMPS

INSTALLATION:

STEP 1

Models ECO 16 - 18 requires 2 sets of wires and ground (see wiring diagram)

Models ECO 21, ECO 24 & ECO 27 requires 3 sets of wires and ground (see wiring diagram)

STEP 2

Take each wire pair and connect them to one breaker (see wiring diagram). Make sure that each breaker has one wire pair -black wire connected to it and one red wire.

CAUTION: Models ECO 21, ECO 24, and ECO 27 Take care to ensure that you have made the correct connections. You must follow the wire connection as shown in Figure 3 to ensure proper operation of the unit. If you cross a set of wires, the unit will not operate correctly even though it turns on and otherwise appears to function properly.

Figure #2

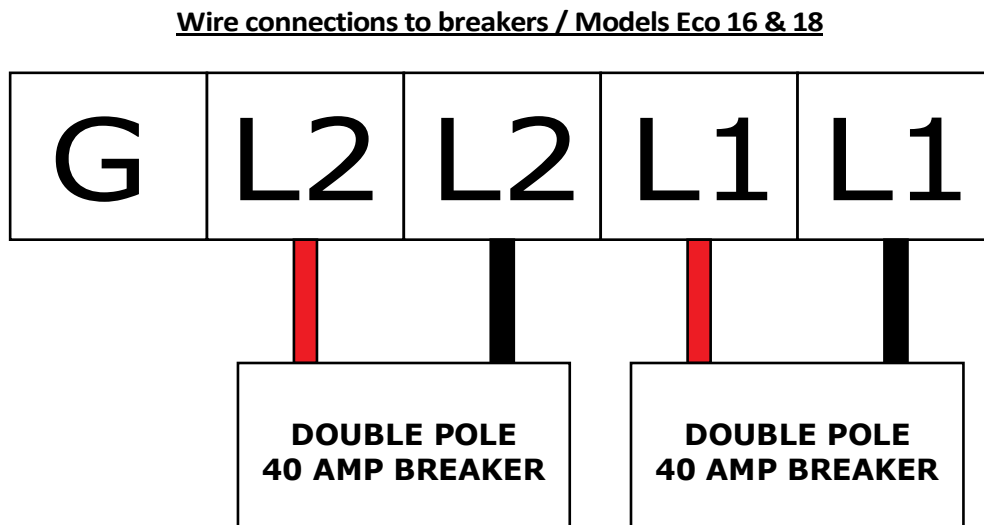
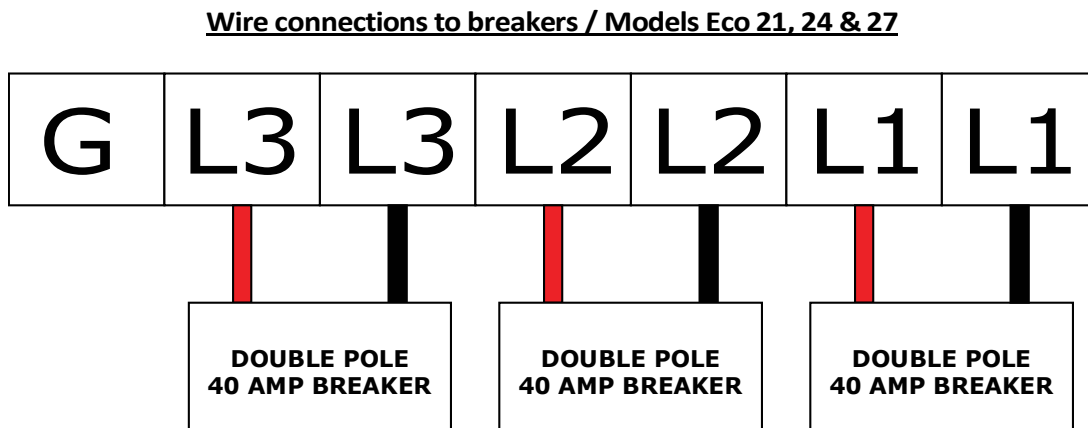


Figure #3



Number of breakers needed based on model being installed.

MODELS	ECO 16	ECO 18	ECO 21	ECO 24	ECO 27
QUANTITY	2	2	3	3	3
AMPERAGE	40	40	40	40	40
TYPE	DOUBLE POLE	DOUBLE POLE	DOUBLE POLE	DOUBLE POLE	DOUBLE POLE

STEP 1

Using a suitable wire gauge that meets all applicable electrical codes for the size of the breakers used, run two sets of wire from the home's main breaker panel to the tankless water heater. **NOTE:** for models Eco 21, 24, & 27 you'll need to run 3 sets of wires.

STEP 2

A separate ground conductor for each incoming circuit is required.

STEP 3

DOUBLE CHECK the electrical connections to make sure they are correct and that all wire connections are tight and secure. Also confirm that the correct breaker size and wire gauge has been used and confirm that the unit has been connected to a ground in accordance with applicable codes.

STEP 4

Confirm that the plumber has purged air out from the water lines prior to turning on power to the unit. Refer to STEP 3 in the plumbing installation section.

The water heater is now installed and ready to use! Follow the General Operating Instructions below to complete the set up. We highly recommend that this is done in conjunction with the homeowner.

6- GENERAL OPERATING INSTRUCTIONS

For the most part, operating your new tankless water heater is very similar to using any traditional water heating system. However, it is very important that you carefully read all of the set-up procedures and operating instructions and tips to ensure the maximum performance and energy savings from your new water heater. We recommend that all members of the household read these General Operating Instructions.

How your new water heater works: Your Tankless Water Heater does not store hot water like a conventional tank-type water heater. It contains very high powered heating elements that are capable of heating water instantly on-demand as you need it. As soon as you turn on a hot water faucet, a sophisticated flow sensor recognizes that you have turned on the water. This sensor measures the water flow rate while another sensor measures the incoming water temperature. This information is transmitted continually to the computer logic controls which decide how much power to send to the heating elements to heat the water to your desired temperature.

Since your new water heater works on a demand basis, it will absolutely never run out of hot water no matter how many back to back showers you run!

It is important to keep in mind that all tankless water heaters are subject to a maximum flow rate that they can handle all at once. If you exceed this flow rate, the heater will not be capable of fully heating the water. How much water you will be able to demand from your water heater at any given time will depend on the model you have selected and your incoming water temperature. **If you live in an area of the country where inlet water temperatures average 55° F or you have cold winters, you will probably NOT be able to run multiple large water demands at the same time, however, you will be able to run all your hot water applications back to back without ever having to wait. You will enjoy UNLIMITED HOT WATER. SEE CHART ON NEXT PAGE.**

Moreover, since a tankless water heater eliminates the ongoing thermal losses caused by storing hot water in a tank, you will enjoy significant energy savings over a conventional water heater.

When you use hot water in your home with a conventional water heater, you need to mix a considerable volume of cold water to cool the hot water down to a safe, comfortable level for showering and bathing, etc. You need to do this with a traditional tank-type water heater because they are set at extremely high temperature setting to prevent them from running out of hot water quickly. With our tankless water heater, you will generally set the temperature at a much lower level since it is capable of heating your water on demand. This level will be much closer to the actual temperature at which you feel comfortable showering or bathing. Accordingly, when you use your faucet controls to run a shower or bath, you will no longer have to mix as much cold water, in fact, you may mix very little or no cold water. This is perfectly normal and means that you are no longer wasting energy and water by overheating your water.

Figure #4 Maximum flow rates in gallons per minute at 105F output temperature (based on 240v input power)

Incoming water temperature	Model Eco 16	Model Eco 18	Model Eco 21	Model Eco 24	Model Eco 27
40F	1.7	1.9	2.2	2.5	2.8
45F	1.8	2.0	2.4	2.7	3.1
50F	1.9	2.2	2.6	3.0	3.3
55F	2.2	2.4	2.9	3.3	3.7
60F	2.4	2.7	3.2	3.6	4.1
65F	2.7	3.1	3.6	4.1	4.6
70F	3.1	3.5	4.1	4.7	5.2
75F	3.6	4.1	4.8	5.4	6.1
80F	4.4	4.9	5.7	6.5	7.3

Setting the output water temperature:

The user controls on your new tankless water heater are very easy to operate. The digital display will show your current set water temperature at all times that the water heater is running.

To set the temperature, start by turning on any water faucet. The digital display will light up and give you the current temperature setting of the unit. To increase this setting, turn the control knob to “Increase.” or “Decrease.” your temperature setting. You can set the temperature at any level between 80F (27C) and 140F (60C). To change the digital display from Fahrenheit to Celsius, simply press the control knob for 3 seconds.

Most people feel comfortable showering or bathing at a temperature between 98 and 105F (37 to 41C). We recommend that you set the output water temperature of your water heater at either 105 or 110F (approx .41 - 43 C). This will ensure you have adequate hot water to meet all of your household needs while also maximizing your available water flow rate, reducing the risk of scalding to children and the elderly, and increasing the energy savings you achieve.

Note: All newer model dish washing machines are normally equipped with an internal heating element, and most clothes washing detergents are now designed for use in cold or warm water. There is no longer a need set your water heater to a temperature above 125F. Temperatures above this level (which most traditional water heaters are set to deliver) can cause serious scalding injuries to small children or elderly persons in your home.

If you ever detect a water leak from your water heater, turn off the water supply at the shut-off valve on the inlet side of the water heater, turn off the power to the heater and call us for technical assistance.

7- MAINTENANCE

Your new electric tankless water heater requires no maintenance. However, to ensure maximum performance of your water heater and to reduce the risk of a water leak, we do recommend the following maintenance:

You should inspect the CONNECTIONS on the inlet and outlet of the water heater at least on an annual basis for any signs of damage or failure. Any signs of damage, cracks, leakage or weakness should be replaced. Take care not to over-tighten the connections. Serious internal damage to your water heater can occur if you over-tighten the water heater connections at the unit.

IMPORTANT NOTES:

As with all electrical appliances, under no circumstances should you attempt to install, repair or disassembled this water heater without first shutting off all power to the unit directly at the fuse or breaker box. SERIOUS BODILY INJURY OR DEATH COULD OCCUR IF YOU IGNORE THIS WARNING.

When any maintenance is performed on the water heater or the home's plumbing system that may introduce air into the plumbing pipes, it is important to turn the power off to the water heater and purge the air out of the lines before allowing the unit to power up. FAILURE TO DO SO COULD CAUSE PERMANENT DAMAGE TO THE HEATING ELEMENTS.

If you have a water supply with a high level of mineralization (hard water), you should increase the frequency of your maintenance.

8- TROUBLESHOOTING GUIDE

Are you having problems with your water heater?

Do not return your heater to your Authorized Dealer. Please call our customer service dept.

TOLL FREE 877-474-6473

or call your Authorized Dealer for assistance.

All units are thoroughly tested before they leave our factory. In rare instances, your unit could arrive with internal or external damage that may affect its performance. All units are factory tested as follow:

PRESSURE INTEGRITY TEST

Each unit is pressure tested at 180 PSI to insure against leaks. This is over 3.5 times the water pressure that the unit will experience in a typical residential installation.

ELECTRICAL INTEGRITY TEST

Each unit is tested to verify that there are no short circuits and that the unit's circuitry is properly configured (Dielectric voltage test).

SPECIFICATIONS LEVEL TEST

Each unit is temporarily attached to a testing station that duplicates the conditions present in a typical residential installation. The unit is turned on and the temperature of the water produced by the unit is measured at several flow rates to insure that the proper temperature rise specifications are met and that the unit self-regulates with the varying flow rates.

The following table represents some of the most common technical support questions we receive. Before calling us, please read thoroughly to see if your question or problem is addressed.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Water heater is not heating at all (water is flowing but the unit is not heating at all—the incoming water temperature is the same as my cold water supply) - the digital display does NOT light up.	No power or incorrect wiring.	Make sure the breakers at main electrical panel are ON. You may have a faulty breaker or unit may be wired incorrect.
	Flow rate is too low / water pressure is too low.	Your water heater has an activation flow rate of approximately 0.25 GPM. If your water flow rate is less than this level, your unit will not activate. Increase the flow rate.
Water heater is not heating at all (water is flowing but the unit is not heating at all - the incoming water temperature is the same as my cold water supply) The digital display DOES light up.	Internal part failure.	Please call us for technical assistance.
Water heater is heating but the water temperature is not hot enough.	User temperature setting too low.	Turn up the temperature setting on the unit (see General Operating Instructions section of this manual)
	Flow rate is too high.	Depending on your incoming water temperature and the power output of your model, your water flow rate may exceed the physical heating capacity of your water heater. Reduce the flow rate at the faucet or slightly close the shut-off valve installed on the inlet side of your heater to reduce the inlet water flow rate. (see General Operating Instructions section of this manual)
	Crossed wires.	If it's a new installation, have your electrician double check the wiring. Is possible that the wiring is incorrect.
	Voltage less than 240 volts.	The heating elements on your water heater are design for 240 volts. When use with a lower voltage, they produce less heating power. You may need to upgrade to a larger model. Call your authorize dealer for more information.
	Mixing too much cold water.	You do not need to mix as much cold water with your tankless water heater compared to when you use a conventional water heater. You may also have an anti-scald feature on your faucet that is mixing cold water. These types of faucets can usually be adjusted to reduce the amount of cold water mixed. (see General Operating Instructions section of this manual).
The water temperature at my faucet is less than the temperature setting of my water heater.	Voltage less than 240 volts.	The computer chips in your tankless water heater are programmed with the expectation that your incoming line voltage is 240 volts. If you have less than 240 volts, it may affect the reading on your water heater's digital display and cause it to read slightly higher than the actual output temperature. To compensate for this, increase the setting on your water heater if you need / want hotter water.
	Anti-Scald pressure/balancing valve or tempering valve.	Your faucet may have an anti-scald feature or a tempering valve that automatically mixes cold water even when you turn your control lever or handle to full hot. These devices are usually adjustable so you can turn off the cold mix completely . You can compensate for this by increasing the setting on your water heater if you need/want hotter water.
	Thermal loss due to long pipe run	As the hot water from the heater runs through the hot water delivery system to you faucet, some heat will be lost especially if it has long distance to travel or the pipes are cold. This is normal. You can compensate for this by increasing the setting on your water if you need/want hotter water.

ECOSMART U.S. LLC

MANUFACTURERS WARRANTY MAINLAND USA & CANADA - LIMITED LIFETIME OUTSIDE MAINLAND USA –5 YEARS

1. PRODUCT WARRANTY: Ecosmart U.S. L.L.C. warrants to the original purchaser at the original address or the authorized transferee of such purchaser (collectively, the “Buyer”) Ecosmart Tankless Water Heater and its components to be free from defects in materials and workmanship, under normal use and service from the date of installation, provided that the Product is installed within thirty (30) days from date of receipt and installed by a licensed electrician and plumber (specific proof required) and maintained in accordance with Products written instructions. The Product Warranty will be in effect upon receipt of the Warranty Registration by Ecosmart U.S. offices. The Warranty Registration is included in the Operating and Maintenance Manual supplied with each new product and must be fully completed and submitted via fax, mail or website within (30) days of receipt of Product. Incomplete Warranty Registrations will not be accepted. Product Warranties are void without receipt of Warranty Registration within (30) days of receipt of Product.

SUCH WARRANTIES DO NOT COVER:

- Product failure caused by liming, sediment buildup, chemical corrosion, chlorine/chloride corrosion, or freezing.
- Product failure caused by the failure to remove air from system prior to or during operation.
- Product misuse, tampering or misapplication, accidental damage, improper installation or the application of improper voltage.
- Costs incurred for shipping, delivery, handling and/or administrative charges.
- Labor charges of any kind.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT INFRINGEMENT.

2. LIMITATION OF REMEDIES AND DAMAGES: Ecosmart U.S. L.L.C. liability and Buyer’s exclusive remedy hereunder will be limited solely to repair or replacement of Product under Warranty by Ecosmart Service Center with respect to any claim made within the applicable Warranty. Ecosmart U.S. L.L.C. reserves the right to accept or reject any such claim in whole or in part. Ecosmart U.S. L.L.C. will not accept the return of any product without prior written approval from Ecosmart Service Center and the issuance of a Return Merchandise Authorization Number clearly marked on the outside packaging of the return shipment. ECOSMART U.S. LLC WILL NOT BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING BUT NOT LIMITED TO LABOR COSTS OR LOST PROFITS RESULTING FROM THE USE OF (OR INABILITY TO USE) THE PRODUCTS OR FROM THE PRODUCTS BEING INCORPORATED IN OR BECOMING A COMPONENT OF ANY OTHER PRODUCT OR GOODS.

Warranty Transfer Information: The Warranty may be transferred to one (1) subsequent homeowner at the same physical address upon payment to Ecosmart U.S. L.L.C. of the applicable transfer fee:

- ECO 11 and Under \$125.00
- ECO16thruECO18 \$250.00
- ECO 21 thru ECO 27 \$350.00

Said transfer fee and second owner information including a copy of new Deed must be submitted by Certified Mail within 7 days of the sale Closing Date.

3. WARRANTY REGISTRATION: To be covered under the Ecosmart U.S. L.L.C. Manufacturer’s Limited Lifetime Warranty Buyer must register product within thirty (30) calendar days of receipt of Product using the Warranty Registration Card included with the Product, this Warranty may be submitted via mail to ECOSMART U.S. L.L.C. located at 3315 NW 167th STREET, MIAMI GARDENS, FLORIDA 33056. THIS IS A LIMITED LIFETIME MANUFACTURER’S WARRANTY THAT CONVEYS BENEFITS TO THE ORIGINAL PURCHASERS, SUBJECT TO THE TERMS AND CONDITIONS SET FORTH HEREIN. Keep Product documents in a safe and secure location. Buyer obligation under the terms of purchase and sale require that Warranty Registration must be returned within the prescribed timeframe (within 30 calendar days) and retain all proof of purchase, installer receipts for Warranty in

order to protect Buyer's rights and obtain Manufacturer's Limited Lifetime Warranty benefits. The Warranty resides with the Buyer with proof of purchase; not simply with an individual in possession of a Product. If the Product is to be installed in new construction at a date later than 30 days from the date of receipt, send further information in advance of thirty (30) day deadline when known so we may update your Warranty record.

- 4. FURTHER LIMITATIONS AND EXCLUSIONS AFFECTING YOUR WARRANTY:** This warranty is void if the Product is not installed in accordance with relevant, local electrical and plumbing codes and in accordance with the installation instructions specified by the manufacturer. Local codes will override manufacturer's instructions at the time of installation and if additional installation parts are required, the costs will be the responsibility of Buyer. Above ground level installations must be protected with drip pans and drains just as the codes call for protective requirements used in regular hot water tank installations. Buyer hereby accepts the entire responsibility for ascertaining whether they have sufficient electrical power at their residence to operate our Electric Tank Less Water Heaters as indicated in our specifications which are readily available at our website (WWW.ECOSMARTUS.COM), in our brochures and contained in the shipping box for installers to read before installations. If, within (30) days of purchase and prior to installation, the Buyer finds that the purchased unit is not suitable for their demands Buyer must return the unit to the ECOSMART office. Buyer is responsible for any charges that may be incurred to complete the return. A Buyer is eligible for a full refund or credit ONLY if the returned unit is received by ECOSMART within thirty (30) calendar days of receipt AND has been inspected by ECO SMART and found to be in the same condition as when purchased. Only when these two conditions are met will a Buyer receive a refund or replacement unit. Ecosmart U.S., LLC will not accept the return of any product without prior written approval from Ecosmart U.S., LLC and the issuance of a Return Merchandise Authorization Number clearly marked on the outside packaging of the return shipment.

AFTER (30) CALENDAR DAYS FROM RECEIPT OF PRODUCT THERE WILL BE NO RETURNS OR WARRANTY WITHOUT RECEIPT OF WARRANTY REGISTRATION BY ECOSMART US. BUYER ACCEPTS ALL SALES AS FINAL. ANY ALTERATION TO THE PRODUCT VOIDS ALL WARRANTIES. Ecosmart U.S. L.L.C. IS NOT RESPONSIBLE FOR ANY OTHER CHARGE OR EXPENSE INCURRED, OTHER THAN THE ORIGINAL PURCHASE PRICE OF THE PRODUCT. Ecosmart U.S. L.L.C. shall not be liable for consequential, special, incidental or contingent expenses or damages arising directly or indirectly from any defect in or of the Product; nor will Ecosmart U.S. L.L.C. be liable for any water damage arising directly or indirectly from the use of the Product or from the failure of or defect in any component part or connecting plumbing. Ecosmart U.S. L.L.C. and Buyer agree to the above terms in their entirety and accept all sales as final without recourse to a credit card company or other financial institution and hereby agree to stipulations and specifications defined within Manufacturer's Limited Lifetime Warranty.

- 5. Warranty Procedure for service:** Have a licensed electrician determine the exact issue that requires repair. Please note that technical support is available for qualified technicians only (licensed electricians and/or plumbers). Technical support that involves potentially dangerous electrical conditions is not available to unqualified persons. When contacting Ecosmart Service Center, please be sure that the technician has a copy of the original Warranty Registration and has reviewed the "Homeowners and Installation Manual" that was supplied with the Product. Ecosmart Technical Assistance, at its sole discretion, will determine the best method for repair. Methods of repair include, but are not limited to, replacement of specific part of Product or replacement of whole unit. If a whole unit requires replacement under the terms of this Manufacturer's Warranty, the original unit must be returned to the ECOSMART office. Buyer must secure the cost of return delivery and replacement unit with a valid U.S. credit card. Credit Card Authorization Forms are available upon request. If the replaced unit arrives at the Ecosmart office within ten (10) calendar days of shipment of new unit and is found to comply within the specifications of this Manufacturer's Warranty then the credit card will not be charged, otherwise, Buyer will be charged amount of replacement unit and shipment cost as agreed upon within Credit Card Authorization Form. If Ecosmart Technical Assistance determines a component requires repair or replacement under the terms of this Manufacturer's Limited Lifetime Warranty, the part will be shipped via standard ground delivery. **If faster shipping service is desired, the Buyer must select and pay for same.**

ANY QUESTIONS REGARDING OUR WARRANTY SHOULD BE DIRECTED TO OUR SERVICE CENTER BY CALLING TOLL FREE 877-474-6473 BETWEEN 9:00 AM and 5:00 PM MONDAY thru FRIDAY EASTERN TIME. NO RETURN WILL BE ACCEPTED BY ECOSMART WITHOUT PRIOR APPROVAL AND THE ISSUANCE OF RETURN MERCHANDISE AUTHORIZATION NUMBER CLEARLY MARKED ON THE EXTERIOR OF PACKAGING.