

Installation & Operational Manual Legionator **iL**3.5 | **iL**6.0





Thank you for purchasing this Intellihot unit.

This unit is designed for years of trouble free operation, and I urge you to read and follow the instructions in this "Operation & Installation Manual."

Our mission to create a better water heating system began back in the winter of 2005 when a tank-type water heater broke down and flooded our founder's basement. By combining the principles of a diesel engine's robustness, robotics intelligence, and marine environment durability, Intellihot set out to design a unit from the ground up that would outperform and outlast all others.

Innovation is our hallmark and simplicity, efficiency, and durability are at the core of every Intellihot product. Our water heaters utilize the best attributes of tank and tankless — with intelligent logic and integrated recirculation. The result is a water heating system capable of handling the extreme loads of commercial applications with the preciseness needed for residential applications.

Our products are proudly engineered and built in Galesburg, Illinois making Intellihot the first and only US-based manufacturer of gas-fired condensing tankless water heating systems. For the past two decades, Intellihot has helped commercial customers throughout the nation save thousands of dollars while eliminating downtime. As we continue to expand our coverage across North America, we strive to provide you with the same unmatched performance advantages and savings. Our talented team of dedicated professionals is ready to assist you and help your business succeed.

I thank you for considering our Intellihot products.

Sincerely,
Shamus M. Hurley
CEO, Intellihot Inc.





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1. General Information

1.1 Items Shipped With Water Heater

The items in the below table are shipped loose with the water heater.

| No. | Item | Quantity |
|-----|------------------------|----------|
| 1 | Water heater | 1 piece |
| 2 | Wall-mounting fittings | 1 set |
| 3 | Pre-filter | 1 piece |
| 4 | User´s manual | 1 piece |
| 5 | Warranty card | 1 piece |

2. Safety

2.1 Safety Signal Words

A DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

ACAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

Indicates that equipment or property damage can result if instructions are not followed.

SAFETY INSTRUCTIONS

Safety instructions (or equivalent) signs indicate specific safety-related instructions or procedures.

Note: Contains additional information important to a procedure.

2.2 Installation Warnings

AWARNING

Read the instructions carefully, and understand all warnings and instructions given in this manual before installing, operating, or servicing this water heater.

Failure to follow these warnings and instructions could result in property damage, bodily injury, or death.

This manual must remain with the water heater. Make sure to Keep this manual in a convenient place for future reference.



AWARNING

Make sure all electrical connections are turned OFF before the installation or service of water heater.

The water heater should be installed by a licensed electrician, and plumber in accordance with all national, state, and local electrical and plumbing codes.

Failure to follow the above-mentioned warning may result in property damage, serious bodily injury, or death.



AWARNING

Use only the voltage specified on the label for the model of this water heater.

To prevent accidental electrical shock, the water heater must be always installed to the Ground Fault Circuit Interrupter (GFCI) outlet or circuit.

Failure to use the correct voltage shown on the model rating label could result in fire, property damage, serious bodily Injury, or death.



AWARNING

Improper installation and operation, or installation and service by an unqualified person may cause property damage, serious body injury, or death.

A CAUTION

IMPROPER INSTALLATION AND USE MAY RESULT IN PROPERTY DAMAGE

- · The water heater must be installed in an indoor environment only.
- Do not install the water heater in a location where water might freeze due to external temperature.
- If the water heater is not in use, turn OFF the main power switch and water supply in the water heater.

- · If the supply cord is damaged, replace the supply cord in order to avoid damage to the water heater.
- If the water inside the water heater is frozen, do not switch ON the water heater.
 Make sure all the frozen water inside the water heater is unfrozen before you switch ON the water heater.
 Failure to do so may result in serious damage to the water heater.
- In order to avoid any damage to the water heater due to unintentional reset due to power failure, do not use any external device, such as a timer, or another utility circuit that is switched ON or OFF regularly in connection with the water heater.
- · Refer to this manual for all installation and service instructions.

SAFETY INSTRUCTIONS

- 1. This water heater is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience, and knowledge.
- 2. Do not allow children to play with the water heater.

| Maximum inlet water pressure | 1.03 MPa(150 PSI) | | |
|------------------------------|-------------------|--|--|
| Minimum inlet water pressure | 0.2 MPa (30 PSI) | | |

- 3. The water inlet of this water heater must not be connected to any other water heating system's inlet water.
- 4. This water heater must be installed and serviced by a licensed electrician and plumber, or a professional service technician in accordance with the national electrical codes, local electrical and plumbing codes and regulations.
- 5. This water heater must be permanently connected to fixed wiring.
- 6. Do not install the water heater in a location where water might freeze due to external temperature.
- 7. Do not install this water heater in locations where there is tinder or strong magnetic fields in close proximity.
- 8. If the water inside the water heater is frozen, do not switch ON the water heater. Make sure all the frozen water inside the water heater is unfrozen before you switch ON the water heater. Failure to do so may result in serious damage to the water heater.
- 9. In order to avoid any damage to the water heater due to inadvertent resetting of the thermal cutout, do not use any external device, such as a timer, or another utility circuit that is switched ON or OFF regularly in connection with the water heater.
- 10. Use the water heater for disinfection and water heating only. Do not use the water heater for any other purpose.
- 11. Make sure to disconnect all the electrical connections to the water heater before you clean, service, or remove the cover of the water heater.

3. Technical Specifications

3.1 Specifications Chart

| Model No. | iL3.5 | iL6 | |
|----------------------------------|-----------------------------|----------------------|--|
| Rated voltage | AC 120V | AC 208V | |
| Rated frequency | 60Hz 60Hz | | |
| Rated power | 3.5kW | 6kW | |
| Rated current | 29 A | mps | |
| Phase | Single | phase | |
| Minimum Field wire size | 10 A | WG | |
| Recommended circuit breaker | 40 A | mps | |
| Recommended grounding protection | GF | CI | |
| Applicable water pressure | 30 - 1 | 50 psi | |
| Maximum water temperature | 120 | oF | |
| Maximum water flow rate | 1.2 G | BPM | |
| Activation water flow rate | 0.2 (| | |
| Ozone concentration | 0.02 - 0.04 ppm | | |
| Operation mode | Electronic | | |
| Interface | Touch panel | | |
| Display | LED | | |
| Beeper | YE | S | |
| Inlet/outlet connection | 3/8" | Male | |
| Mounting method | Wall-mo | ounting | |
| Seismic Bracket | Optional (| included) | |
| Ingress protection | IP: | X1 | |
| Water heater size | 115 x 152 x 371mm (| (4.5" x 6"x 14.6" H) | |
| Gross weight | 3.6 Kg (8 lbs) | | |
| Low Lead (Pb) | NSF / ANSI 372 | | |
| | UL 60335-1, IE | C 60335-2-35/ | |
| Safety Certifications | CSA C22.2 No. 6033 60335 | · | |

Note: Due to Intellihot's policy of continuous product improvements the design and technical specifications are subject to change without notice.

3.2 Introduction

Thank you for choosing INTELLIHOT water heater, the most advanced tankless water heaters in the world today, that uses energy-saving quartz heating technology and automatic ozonation technology. All our water heaters are manufactured with the highest-grade materials and assembled professionally by qualified personnel.

INTELLIHOT tankless water heater do not store water like any other conventional tank-type water heater. This water heater contains multiple high powered quartz tube heating elements that are capable of heating water "on-demand" and continuously as needed, so you will never have to worry about running out of hot water again.

The performance of the water heater is dependent on the inlet water temperature, water flow rate, and the temperature set by the user. When the electrical power and water flow are turned ON, the built-in digital microprocessor will check the temperature sensor, flow sensor and current leakage sensor, if there are no errors found, the digital microprocessor will automatically regulate the heating element to achieve a constant water temperature or at the temperature set by the user. This process from the digital microprocessor is designed to conserve energy.

This water heater must be installed in an indoor environment only. An outdoor installation is permitted if it is mounted in a suitable enclosure that protects it from all-weather elements. Extreme cold weather that causes the water in the water heater to freeze may result in permanent damage and will void the warranty of the water heater.

3.3 Water Heater Characteristics

All our INTELLIHOT water heaters delivered to every customer are manufactured with superior quality materials that has extended lifetime and modern designs that has great look and feel to the water heater.

Our cutting-edge tankless water heater will provide the user with brand-new experiences throughout the lifetime of the water heaters use, that includes:

- Completely safe and comfortable experience during every use
- Saving money (energy conservation) after every use

Characteristics of the water heater are highlighted as:

- Heats water within seconds
- On-demand water heating
- Automatic constant temperature control
- Energy efficient and small footprint
- Separate Water and Electricity connection prevents any electrical leakage
- Automatic ozonation process mode that kills pathogenic bacteria present in the water
- Multiple safety protectors for the health safety of the user
- Compact design for convenient installation

4. Installation Guide

4.1 General Guidance

- 1. Electrical water heater should be installed by a qualified personnel and in accordance with the national electrical codes, local electrical and plumbing codes and regulations.
- 2. Make sure that the wire, fuse, circuit breaker, and watt-hour meter are applicable to your water heater before installation. Please refer to Technical Specification (3.1) in this manual.
- 3. Install the water heater in the vertical position as shown in the figure in this manual. Do not install upside down or horizontally.
- 4. Make sure the electrical connections in the water heater are properly grounded.

4.2 Before Installation

- 1. Install the water heater on a smooth surface or platform.
- 2. Make sure to install the water heater away from strong vibrations.
- 3. This water heater must be installed in an indoor environment only. An outdoor installation is permitted if it is mounted in a suitable enclosure that protects it from all-weather elements. Extreme cold weather that causes the water in the water heater to freeze may result in permanent damage and will void the warranty of the water heater.

4.3 Wall Mounting

- 1. Place the wall-mount in a proper position and use a pencil to mark the holes as shown in figure 1.
- 2. Use an appropriate tool to drill the holes on the exact marked position as shown in Figure 2.
- 3. Install and fasten the holes with appropriate plastic inserts as shown in Figure 3.
- 4. Place the water heater on the mounting brackets and fix the wall-mounting with appropriate screws as shown in in Figure 3.

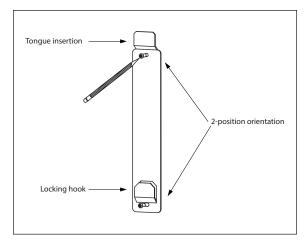


Figure 1

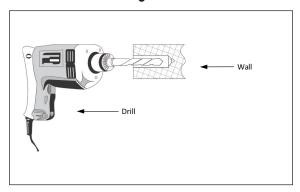


Figure 2

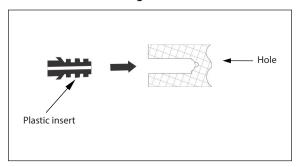


Figure 3

4.4 Seismic Bracing (Optional)

- 1. An additional bracket is provided for seismic bracing as shown in Figure 4.
- 2. This part is OPTIONAL to install.
- 3. Seismic bracing is recommended for safe installation if the water heater is being operated in an earthquake-prone area.

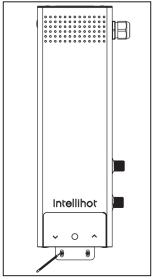


Figure 4

4.5 Plumbing

ACAUTION

If you are replacing an existing water heater, replace the old hose sets with the new hose sets.

AWARNING

There is no internal pressure protection devices built in. Please make sure that there is an external protection is added to keep the water pressure within 30 - 150 PSI (0.2 - 1.0MPa).

- 1. Use cold water to flush any debris present in the water line of the water heater before use.
- 2. Install a manual shut off valve (not supplied with the water heater) and pre-filter to prevent the entry of any particles that may clog or damage the internal parts of the water heater. Manual shut off valve is required on both the water inlet and on the water outlet as shown in figure 5.

- The water inlet and the water outlet shall be identified according to the indications or marks on the water heater. If colors are used to indicate then water inlet and water outlet, blue color should be used for the water inlet and red color for the water outlet.
- 4. The water heater may not function if the water inlet and the water outlet are not fitted properly as shown in Figure 5.
- 5. Do not use plumbing cement on water connections. If necessary, use only thread compound or pipe thread sealant or sealing tape as required.
- 6. Do not solder any external fittings to the water heater. This will damage internal sensors or components and void the warranty.
- 7. A Temperature-Pressure Relief (TPR) installation is not mandatory to your water heater, please refer to your local jurisdiction or local body to confirm the requirement for TPR installation on the water heater at your location.
- 8. Connect the water hose to the outflow pipe of the water heater and connect the faucet sink to the water hose as shown in Figure No 5.
- 9. Use the pre-filters provided by the Intellihot only, prevent any blockages in the water pipelines.
- 10. Make sure all the water heater fittings are secured properly and make sure there are no loose fittings of any parts of the water heater.
- 11. The Specification of pipes is G (BSPP) 3/8 inches.

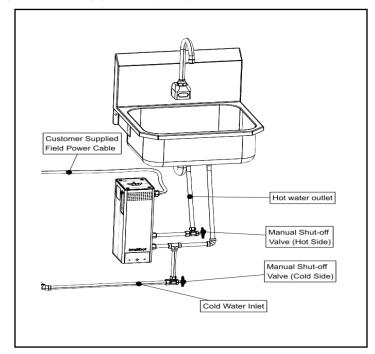


Figure 5

5. Electrical Connection

5.1 Connection Instructions

AWARNING

This water heater must be installed and serviced by a licensed electrician and plumber, or a professional service technician in accordance with the national electrical codes, local electrical and plumbing codes and regulations.

AWARNING

Improper installation and operation, or installation and service by an unqualified person may cause property damage, serious body injury, or death

AWARNING

If the Field supplied cord is damaged, it must be replaced by qualified persons in order to avoid hazard

AWARNING

Make sure the electrical supply to the water heater is turned OFF before installation or service of the water heater. SERIOUS BODILY INJURY OR DEATH COULD OCCUR IF YOU IGNORE THIS WARNING.

AWARNING

A properly sized Circuit breaker or other means for disconnection from the supply mains must be incorporated in the fixed wiring in accordance with the local wiring rules.

- Use only the voltage specified on the label for the model of this water heater.
 Make sure the water heater is always connected to the Ground Fault Circuit
 Interrupter (GFCI) outlet or circuit in order to prevent accidental electrical shock.
- 2. Make sure the electrical power at your location meets the requirements as shown in the technical specifications (3.1) given in this manual.

- 3. Special attention should be given to the following before electrical connections are installed:
 - a. Polarity of all electrical connections
 - b. Available Current voltage in the connecting wires
 - c. Rated current voltage of fuse or circuit breaker
 - d. Maximum current voltage (capacity) of watt-hour meter
- 4. Steps of electrical connection:
 - a. Unfasten the cord grip as shown in Figure 6.
 - b. Insert the field supplied power cord wire inside the hole of the cord grip and route the power cord through the water heater as shown in the Figure 6.
 - c. Remove the screws from the wiring cover to access the electrical connections as shown in Figure 7.
 - d. Gently pull the terminal block outside and connect the wires to corresponding polarities.
 - e. Gently push the back cover of the water heater and re-fasten the screws on the wiring cover.
- 5. Make sure all the wire ends, terminal blocks and circuit breakers are secured properly.
- 6. Make sure all the screws are fastened and secured.

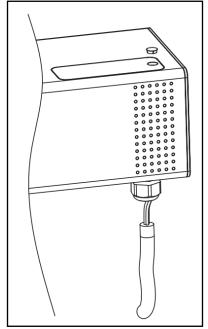


Figure 6

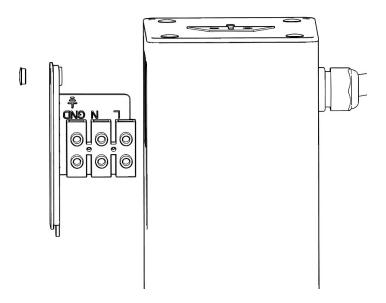


Figure 7

5.2 Test Run

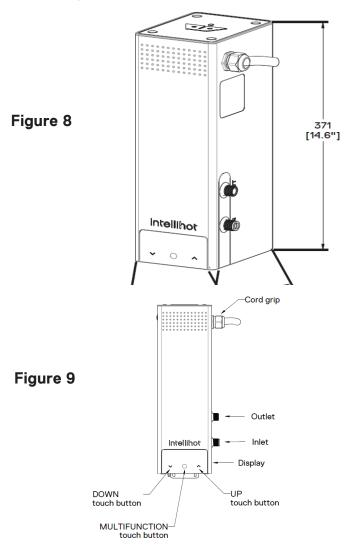
- Make sure to maintain the below checklist after power supply and water supply are turned ON:
 - a. Make sure wall-mounting is fitted in the correct position.
 - b. Make sure all plumbing instructions are completed.
 - c. Make sure all the electrical connections are secured.
 - d. Make sure there is no error code on the display screen.
 - e. Make sure there is no water leakage.
 - f. Make sure all screws and fittings are tight and secure.
- 2. Open the water source and allow the water to flow for a minimum of 2 minutes. This will purge the air from the water lines. This step is mandatory before switching ON the power of the water heater.
- 3. The water heater is ready for use.

6. Operation Instruction

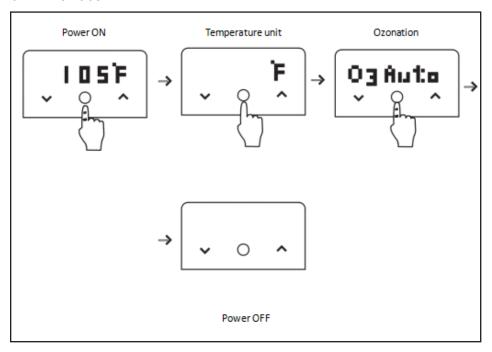
6.1 Overall Dimensions

The dimension of the water heater is as shown in Fig. 8, the unit of measurement is in millimeters (inch values are in bracket).

The User interface presents the MULTIFUNCTION button is as shown in Fig. 9



6.2 Interface



6.3 Operation

For the convenience of consumers, the water heater adopts ONE-BUTTON OPERATION, which consists of 6 steps by the way of moving up or down.

Your water heater is ready to use when the electricity and water connections are turned ON and the water heater enters Standby mode. There won't be any displays right now.

| | Press MULTIFUNCTION button again, you can choose the temperature mode |
|----------------|--|
| i j | At this time, you can choose temperature unit by pressing UP / DOWN button. |
| | UP: temperature display in degree Fahrenheit (°F) |
| | DOWN: temperature display in degree Celsius (°C) |
| | Press MULTIFUNCTION button again, you can choose working of ozonation |
| O3 Off O3 Auto | At this time, you can choose working or not working of ozone generator by pressing UP / DOWN button. |
| | UP: automatic working of ozone generator (O3 Auto) |
| | DOWN: Turns off ozone generator (O3 Off) |
| | |
| 105F | Press MULTIFUNCTION button and hold for 5 -10 seconds, the appliance will cut off automatically, and there will be no displays |

6.4 Auto Memory

When the water heater restarts after an intermittent shut OFF due to power failure, the automatic memory function in the water heater will re-set the water heater to its previous (most recent) operational mode or user settings.

6.5 Auto Resume

When there is a power outage and/or water supply outage, the water heater will shut OFF automatically for safety and protection of the water heater. When the power supply and/or water supply resumes, the water heater will automatically re-start on its own. There is no need to press the MULTIFUNCTION button to restart the water heater.

6.6 Auto Sleeping

After a total of 45-minutes continuously running and heating the water, the auto sleep function will cause the water heater to shut down automatically for safety reasons. In these conditions, the user can press the MULTIFUNCTION button to restart the water heater.

6.7 Temperature Setting

Make sure all the connections and fittings of the water heater are secured. Purge all the air from the water heater before switching the ON button.

The flow of water activates the flow sensor to send signals to the digital microprocessor in the water heater that controls the heating element to heat the water.

Use the temperature settings to increase or decrease the water temperature and/or water flow rate in your water heater (by using the field supplied manual shut-off valves as per Figure 5).

Press UP or DOWN on the mode buttons to set your required water temperature.

When the water flow rate reaches the maximum heating capacity of the water heater, a maximum temperature will be achieved based on the water flow rate and the rated power of the heater. When the excessive water flow rate is gradually reduced the water heater will achieve the Set-Point (SP) temperature.

When the water flow rate is cut-off, the flow sensor sends the signals to the digital microprocessor to turn OFF the heating element, during this time, the water heater will be on Standby mode until the flow sensors sends back signals to the digital microprocessor to turn ON the heating element in order to continue the flow of hot water, as needed by the user.

6.8 Ozonation

The ozonator feature in the water heater generates controlled ozone (O3) that kills bacteria present in the water lines. This special feature is proven to safeguard our water heater users' health, especially to those vulnerable to water borne diseases.

This water heater has options for the user to choose between AUTOMATIC and OFF ozonier operation. The water heater will be set to AUTOMATIC operation mode that activates ozonization on pre-designed intervals. This would provide sufficient sterilization and disinfection that is required to kills the bacteria present in the water lines.

Press the MULTIFUNCTION button to switch to the OFF operation mode. Press the UP button to turn ON (AUTO) and DOWN button to turn OFF the ozonization process.

Ozone concentration is strictly controlled to a safe level that complies with US Health and Human Safety guidelines.

The unique odor of ozone emitted from the water shall confirm that the water heater is disinfected. During ozonation, make sure to have enough air ventilation around the water heater. Frequent ozonation of the water heater is not recommended.

6.9 Anti-Freezing

Do not install the water heater at ambient room temperature below freezing. Install the water heater at a location at room temperature.

Always make sure to check the water temperature before turning ON the water heater power. If the water inside the water heater turns into ice, you must wait until the ice is melted. Use of water heater when the water is frozen may cause damage to internal components of the water heater and shall void the warranty conditions.

7. Maintenance

7.1 Pre-Filtration

It is recommended to use the inlet pre-filter to extend the service life of your water heater. Make sure to check and clean the filter every 3 months.

7.2 After-Use Safety

Turn off the outlet flow after use of the water heater.

Make sure to turn off the main power switch and water supply if the water heater in unattended.

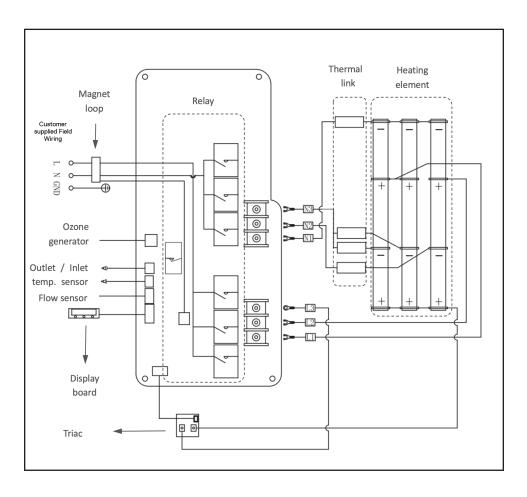
We recommend to clean the Faucet spray head every 3 months for optimum performance.

7.3 Maintenance

This water heater does not require any major maintenance.

8. Circuit Diagram

8.1 Model iL3.5/iL6.0



9. Troubleshooting

9.1 Troubleshooting

| Problems | Potential causes | Corrective actions |
|----------------------------------|---|----------------------------------|
| Inlet and outlet fitting | Fittings not tight | Tighten fittings |
| leaking | Rubber washer worn-out | Change O-ring / rubber washer |
| NI- h | No power supply | Check power supply |
| No heating | Inlet water pressure is too low | Increase inlet water flow |
| | Excessive water flow | Reduce water flow rate |
| | Extra long time continuous use | Power off and re-start |
| Stop heating | ELCB operated | Check leakage protector |
| | Thermostat cut-off | Contact local service |
| | Heating element failure | Contact local service |
| | No power supply | Check power supply |
| NI- hat water and a | Inlet valve failure | Check inlet valve |
| No hot water comes out | Filter blocked | Clean the filter |
| | Shower head blocked | Clean holes of shower head |
| Outlet water too hot | Water flow too small | Increase inlet water flow |
| Outlet water too not | Temperature sensor failure | Contact local service |
| Outlet water too oold | Too Low voltage | Check the voltage |
| Outlet water too cold | Excessive water flow | Reduce water flow rate |
| | Filter blocked | Clean the filter |
| Outlet water comes less and less | Shower head blocked | Clean holes of shower head |
| | Water pressure becomes lower | Check inlet water pressure |
| Water temperature | Voltage unstable | Check the voltage |
| fluctuates | Water pressure unstable | Check inlet water pressure |
| | Waterway clogged | Keep waterway open |
| No ozone generated | Ozonation mode not activated | Activate ozonation mode |
| - | Malfunction of ozone generator or control board | Contact local service for repair |

9.2 Error Code

| Error code Potential causes | | Corrective actions | | |
|-----------------------------|--|--|--|--|
| E1 | Malfunction of inlet temperature sensor | Contact local service for repair | | |
| E2 | Malfunction of outlet temperature sensor | Contact local service for repair | | |
| E5 | Internal circuit problem | Stop using the water heater and contact local service for repair | | |

10. Warranty

10.1 Warranty

General

This unit is warranted by Intellihot Inc., and covers defects in materials and workmanship, subject to the applicable time periods and terms below. The Warranty coverage begins on the date of installation or 60 days from the date of manufacturing if installation cannot be verified. The manufacturing date is determined using the serial number located on the ratings label on the unit.

This warranty is extended to the original purchaser and any subsequent owner at the original install location, and applies only when properly installed by a licensed contractor and operated in accordance with the instruction manuals. This warranty is limited to repair or replacement of parts, at Intellihot's option that are proven to be defective under normal use and connected only to potable water heaters.

Warranty Period

The warranty is one year (12 months) from the date of installation or 60 days from the date of manufacturing if installation date cannot be verified. The manufacturing date is determined using the serial number located on the ratings label on the unit.

Shipping Costs

If a replacement part is supplied under the terms of this warranty, Intellihot will provide ground service delivery for the part free of charge. Any expedited shipping expense will be paid by the customer.

Owner Responsibilities

The Owner or Service provider must:

- 1. Maintain the water heater in accordance with the maintenance procedure. Preventive maintenance helps it running at optimum effciency.
- 2. Maintain all related system components in good operating condition.
- 3. Use the water heater at water pressures not exceeding the pressure shown on the rating plate.
- 4. Keep the water heater free of scale deposits and debris.
- 5. Make provisions so if the water heater or any component or connections should leak, the resulting flow of water will not cause damage to the area in which it is installed.

Definition of Potable water

Potable water is defined as drinkable water supplied from utility or well water in compliance with EPA secondary maximum contaminant levels (40 CFR part 143.3) as shown in the table.

| Contaminant | Level |
|------------------------------|-------------------------|
| Aluminum | 0.05 to 0.2 mg/l |
| Chloride | 250 mg/l |
| Color | 15 color units |
| Copper | 1.0 mg/l |
| Corrosivity | Non-corrosive |
| Fluoride | 2.0 mg/l |
| Foaming Agents | 0.5 mg/l |
| Iron | 0.3 mg/l |
| Manganese | 0.05 mg/l |
| Odor | 3 threshold odor number |
| pH | 6.5-8.5 mg/l |
| Silver | 0.1 mg/l |
| Sulfate | 250 mg/l |
| Total dissolved solids (TDS) | 500 mg/l |
| Zinc | 5 mg/l |

Water Hardness Criteria

This warranty applies only when the water quality and supply meets the parameters outlined in the table below.

To use the table, locate the desired unit setpoint temperature on the left side of the table. Then locate the incoming water pressure across the top. The corresponding value in the table is the maximum allowable hardness in grains per gallon (gpg).

| Maximum Allowable Hardness (grains per gallon, gpg) | | | | | | |
|--|-------------------------------|----|----|----|----|----|
| Unit Setpoint (°F) | Incoming Water Pressure (psi) | | | | | |
| ome seepome (1) | 30 40 50 60 80 100 | | | | | |
| 100-120° | 8 | 15 | 20 | 25 | 30 | 30 |

Not Covered by this Warranty

- 1. Any water heater purchased from an unauthorized dealer
- 2. Failure to install in accordance applicable building codes, ordinances, normal plumbing, or electrical trade practices.
- 3. Improper installation, improper use, improper maintenance, improperly made replacements or repairs, accidents, or abuse. The workmanship of any installer. The manufacturer disclaims and does not assume any liability of any nature caused by improper installation, repair, or maintenance.
- 4. Sediment deposits, fire, flood, lightning, freezing, and acts of God, or any causes other than defects in materials and workmanship.
- 5. This warranty is void and has no effect if the unit is modified or altered in any way.
- 6. Appliance(s) or equipment attached to the unit that have not been approved by Intellihot Inc.
- 7. The unit is used exclusively as a booster heater for a commercial dishwasher, or if the water from a reverse osmosis or deionized process is run directly through the unit.
- 8. Failure to locate the water heater in an area where leakage of the water heater or water line connections and the relief valve will not result in damage to the area adjacent to the water heater or lower doors of the structure, as well as failure to install the water heater in or with a properly sized drain routed to an approved drainage location
- 9. Damages due improper/inadequate water hardness treatment or damages to scale formation due to water hardness
- 10. Electrical failures due to Inadequately sized electrical breaker or Multiple units installed without a properly sized dedicated breaker for each unit
- 11. Lack of maintenance
- 12. Imporoper electrically grounding the unit or not following the electrical grounding requirements
- 13. The serial number is altered, defaced, or discarded.

This warranty will be void and have no effect if:

- · The unit is modified or altered in any way.
- · Water heater or equipment attached to the unit that have not been approved by Intellihot Inc.
- If the unit is used exclusively as a booster heater for a commercial dishwasher, or if
 the water from a reverse osmosis or deionized process is run directly through the
 unit.
- · The serial number is altered, defaced, or discarded.

Warranty Limitations

This warranty applies only when the unit is used in the United States or Canada. Except for the limited warranties provided above, Intellihot Inc. disclaims any and all other warranties, including but not limited to warranties of merchantability and fitness for a particular purpose; provided however, that implied warranties of merchantability and fitness for a particular purpose are not disclaimed during the 1-year period from the manufactured date. Intellihot shall not be liable for indirect, special, incidental, consequential, or other similar damages, including lost profits, arising from or relating to the unit. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

How to Make a Claim

Please visit https://www.intellihot.com/warranty/to open a warranty claim ticket

or

Please Call (877) 835-1705. Proof of purchase in the form of a dated sales receipt or warranty registration should be included with your claim. The water heater owner should submit the warranty claim directly to Intellihot at the following address:

Intellihot Inc.

Attn: Warranty Claims 2900 W. Main St. Galesburg, IL 61401

Intellihot can request all parts claimed to be defective returned to Intellihot for examination prior to full claim settlement. Core charges may appy.

Please include the following information on your warranty claim:

- · Model number and serial number of the unit.
- · Date of commissioning
- Owner's name and address.
- · A description of the problem with the part and unit.

11. Warranty Registration

| Please visit https://www.intellihot.com/warranty/for | warranty | registration | as v | well a | as |
|--|----------|--------------|------|--------|----|
| to open a claim ticket | | | | | |

or

fill out the information in the form below and mail to the following address:

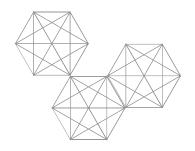
Warranty Registration Intellihot Inc. 2900 W. Main Street Galesburg, IL 61401

| Model: | |
|------------------------------|-------|
| Model: | - |
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| Oscial Nevada and Constantin | |
| Serial Numbers (up to 4): | |
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| | |
| Owner Information: | |
| Name: | - |
| Address: | - |
| City, State, Postal Code: | |
| Phone Number: | - |
| | |
| | |
| Dealer Information: | |
| Sold By: | - |
| Address: | - |
| City, State, Postal Code: | - |
| Phone Number: | |

| NOTES | | |
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Intellihot Inc. | www.intellihot.com 2900 W. Main Street, Galesburg, IL 61401 877.835.1705 | support@intellihot.com