



Steambath Generators

Models: ES-12 and ES-15



Important: Locate Publication No. 199ES "Steam Bath Important Safety Instructions". This publication includes a Warning label which the Installer must secure to the wall near the entrance to the steam room in a highly visible location. This label and its additional safety information are packaged with the generator in the envelope containing the installation instructions. If it is lost or missing contact EliteSteam (800-555-6890) for a replacement Publication No. 199ES. This publication along with all documents must be left with the owner.

EliteSteam "ES" Generator operates with one or two controls appropriately located inside and/or outside the steamroom. It's small enough in size to be tucked away using very little space in a vanity, closet, basement, or an insulated attic, but large enough to provide steam for most residential baths.

EliteSteam "ES" Steambath Generator comes factory assembled, carefully wired and tested.

1. Pre-Installation

- Proper electrical supply (240 Volt): See rating label on Steam Generator and Chart on back page. Determine proper size of wire, voltage, amperage, and phase for the Steam Generator. 90°C copper wire is required for generator connection.
- Dedicated overcurrent protection device, such as an in-line fuse/circuit breaker required: Fuse/circuit breaker to be installed must be sized in accordance with chart on back page. Do NOT install a GFI (Ground Fault Interrupter) to this equipment (per article 210-8 in the National Electric Code).
- Route power supply cable to the location where the Steam Generator will be installed (before walls are closed).

2. Electrical Rough-in

- At this time read through the installation instructions for the selected control(s).
- Route appropriate power cable to the location the Steam Generator will be installed. If receptacle is desired, mount the box for the receptacle near the location of the Steam Generator.

NOTE: The plug and receptacle require a rating of no less than 250V and proper amperage. Refer to chart on page 4 for amperage rating.

After the walls are complete, the Steam Generator and Control can be wired.

3. Steam Generator Electrical Installation

WARNING: All power to the Steam Generator must be turned off.

- Remove the four screws holding the electrical access cover and remove cover.

- Locate the supply line knockout. Mount proper strain relief into knockout hole (see Figure 2: Internal Electrical Connections).
- Strip back power cable's outer insulation jacket eight inches and insert into Steam Generator. Strip back insulation ½" from the three (3) incoming wires (two power and one ground).
- Connect incoming ground wire to fuse block and ground terminal.

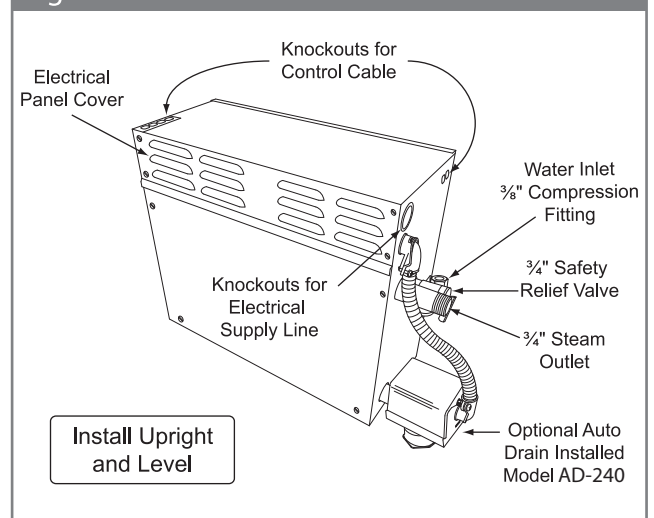
CAUTION: Be sure the ground wire does not come in contact with a live electrical part.

- Connect incoming power to terminals labeled "L1" and "L2" (see Figure 2: Internal Electrical Connections).
- The Steam Generator is ready for operation once the installation of the controls is completed (refer to separate Installation and Operating Instructions).

4. Optional Auto Drain Valve Connection

- Open knockout for Auto Drain Valve conduit connection.
- Route flexible conduit from valve to knockout and secure.
- Connect two wires from valve to the J6 drain connection on the circuit board. (See wiring diagram)

Figure 1 - Steam Generator



IMPORTANT: The warranty of this product is voided if it is used in a commercial application or for anything other than a residential steam bath installation. All electrical connections must be performed by a licensed electrician in accordance with Local and National Electric Codes. This product is not intended for use with Home Automation systems.

Checklist

Models: ES-12 and ES-15

Before starting, insure that the conditions of the following checklist have been met:

- | | |
|---|---|
| <p><input type="checkbox"/> The proper size Steam Generator has been selected by using the sizing page in "The Generator Sizing Guide"</p> <p>CAUTION: An improperly sized Steam Generator will NOT produce the amount of steam necessary to reach selected temperature.</p> <p><input type="checkbox"/> The proper voltage Steam Generator has been selected (i.e., 240V). A 240V Generator operating on 208V will result in a 25% loss of power.</p> | <p><input type="checkbox"/> The Steam Generator is installed in an upright position.</p> <p><input type="checkbox"/> The proper sized 90°C copper wire and circuit breaker have been used.</p> <p><input type="checkbox"/> The circuit breaker is NOT a GFI (Ground Fault Interrupter) type.</p> <p><input type="checkbox"/> The Steam Generator is properly grounded.</p> <p><input type="checkbox"/> The circuit breaker or disconnect switch is on.</p> <p><input type="checkbox"/> Water supply is open to the Steam Generator.</p> |
|---|---|

Figure 2 - Internal Electrical Connections

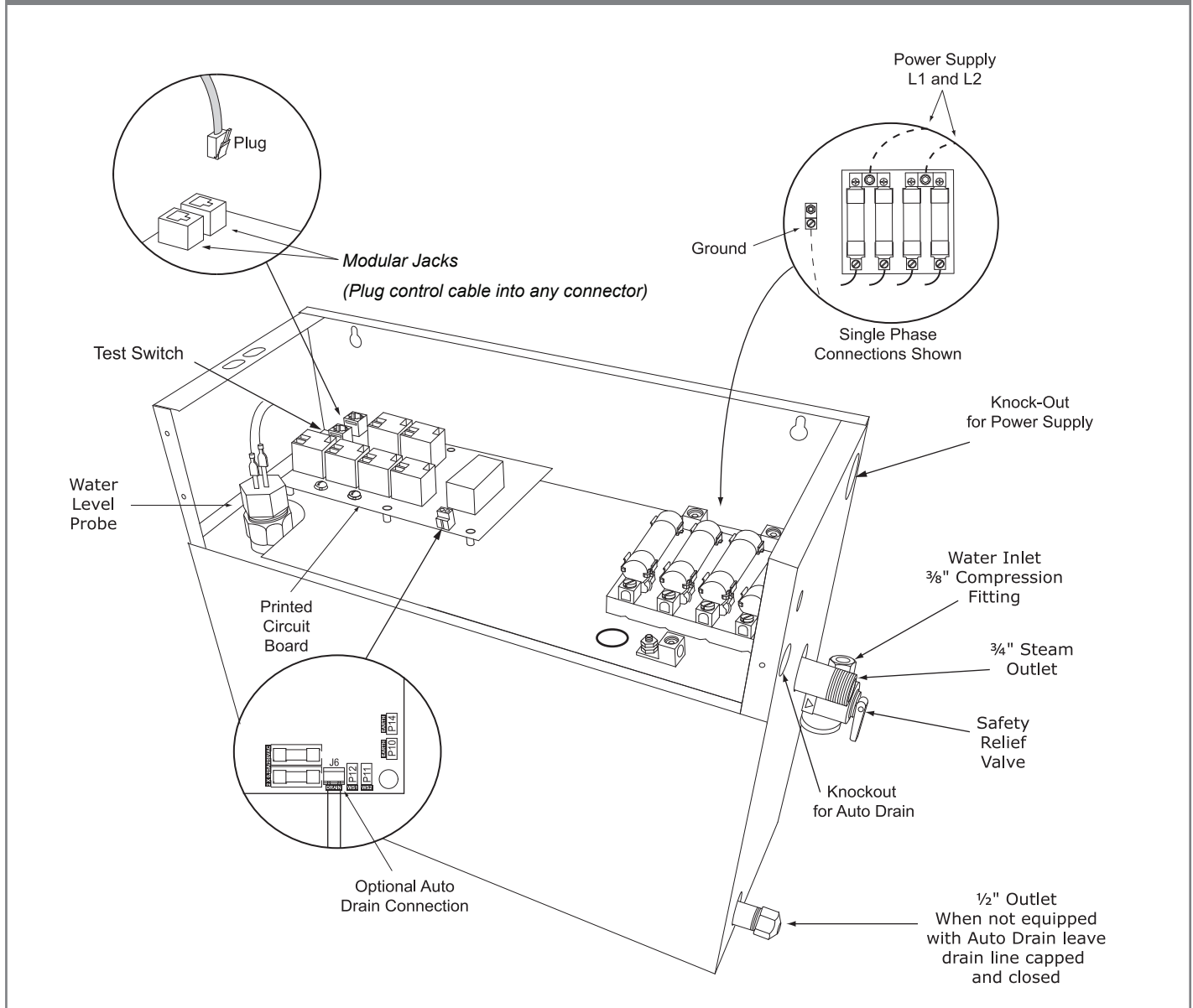


Figure 3 - Typical Installation

Models: ES-12 and ES-15

The Electrical Instructions must be given to the homeowner for future use.

NOTE: Unit must be wired with 90°C copper wire in a suitable raceway, or, if local codes allow, provide twist lock plug on a 90°C copper wire cord from generator to a 250V 2-pole, 3-wire grounding receptacle (amperage rating as required).

EC-120
Auxiliary Outside
Control

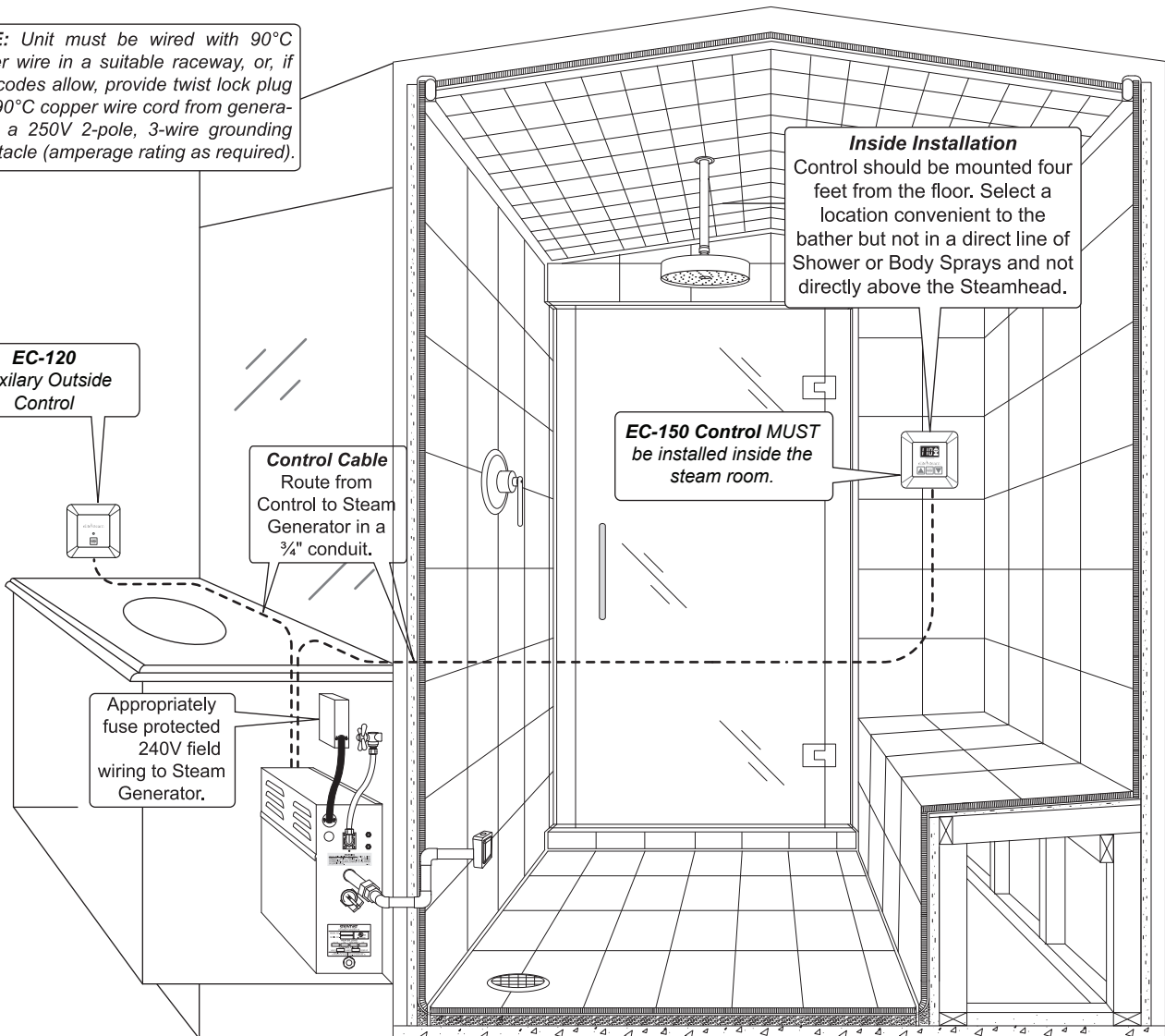
Control Cable
Route from
Control to Steam
Generator in a
 $\frac{3}{4}$ " conduit.

Appropriately
fuse protected
240V field
wiring to Steam
Generator.

Inside Installation

Control should be mounted four feet from the floor. Select a location convenient to the bather but not in a direct line of Shower or Body Sprays and not directly above the Steamhead.

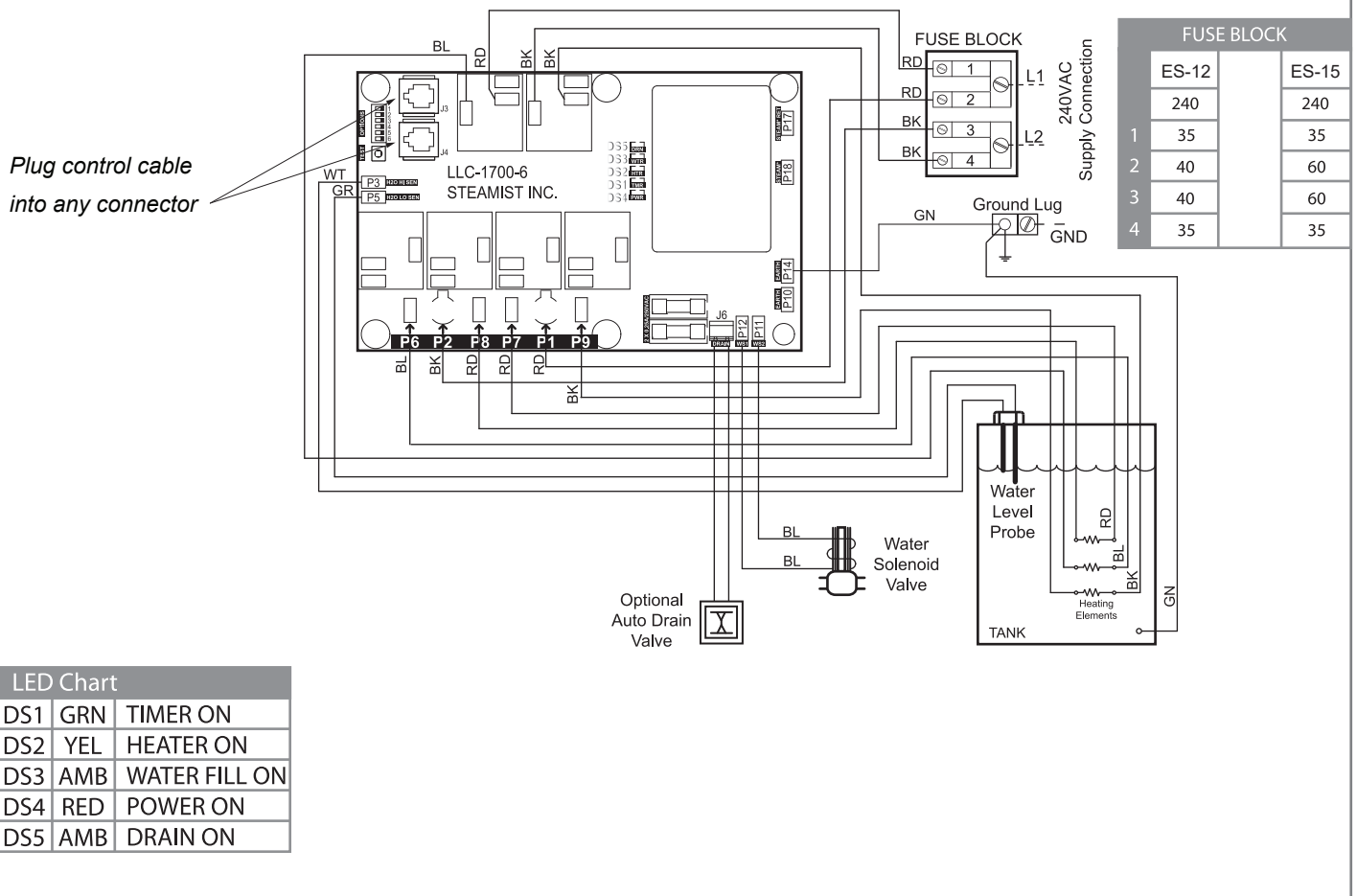
EC-150 Control MUST
be installed inside the
steam room.



IMPORTANT: Run the Control Cable through a $\frac{3}{4}$ " conduit. Remove protective cap when making the final connection to Control.

ES-12/15 Single Phase Schematic

Models: ES-12 and ES-15



Specification Chart

Model No.	Max. Adjusted Cu. Ft. For Area Up To	KW	Volt	Phase	Amps	Breaker Size	*Minimum Wire Size
ES-12	550	12	240	1	50	60	4
ES-15	675	15	240	1	63	80	3

* 90°C Copper wire is required for steam generator connection. Minimum wire size shown.
Installation shall be in accordance with NEC and local Electrical Codes.