

### Amerec T100 Steamer Control For use with AT and 3T steam Generators

FOR THE SAFETY OF YOU AND YOUR FAMILY PLEASE READ THE WARNINGS TO THE RIGHT AND ALL INSTRUCTIONS BEFORE USING YOUR STEAMBATH.

POST "WARNING" LABEL OUTSIDE STEAM BATH FOR SAFETY WARNINGS. POSTING IS REQUIRED ON OR ADJACENT TO STEAM ROOM DOOR FOR ALL COMMERCIAL INSTALLATIONS.

#### SAVE THIS MANUAL

Thank you for purchasing your new Amerec steam generator. If we can be of any assistance do not hesitate to call our Technical Support at 1-800-363-0251.

#### WARNING

The T100 control operates on 12VDC and does not present a shock hazard. Electric Shock Hazard - High voltage exists within the steam equipment. There are no user serviceable parts in this equipment. All installation and service to this equipment should be performed by qualified licensed personnel.

Do not exceed 30 minutes in a steam bath. Excessive exposure can be harmful to your health. Excessive exposure can produce a rapid pulse, light-headedness, weakness or fainting. If you become uncomfortable or experience any of the above conditions exit the steam bath immediately.

Steam baths can put stress on the body. Therefore a steam bath should be used only under a doctor's direction if you:

- Are pregnant
- Have a heart condition
- Have high blood pressure
- Have circulatory problems
- Are under the influence of alcohol
- Are under the influence of drugs
- Have diabetes
- Are under the care of a physician
- Are in generally poor health

Children should only use the steam bath under close adult supervision.

Scald Hazard: Do Not Touch the steam head or trim during operation as they are HOT. Stay at least 12 inches away from the hot steam escaping from the steam head.

Be careful when entering a steam bath. Escaping steam from an overheated steam room may cause injury.

**⚠ WARNING**

**REDUCE THE RISK OF OVERHEATING AND SCALDING**

1. Exit immediately if uncomfortable, dizzy or sleepy. Staying too long in a heated area is capable of causing overheating.
2. Supervise children at all times.
3. Check with a doctor before use if pregnant, diabetic, in poor health or under medical care.
4. Breathing heated air in conjunction with consumption of alcohol, drugs or medication is capable of causing unconsciousness.

**CAUTION!** Do not contact steam head. Stay at least 12" away from hot steam escaping from the steam outlet.

**REDUCE THE RISK OF SLIPPING AND FALL INJURY**

Use care when entering or exiting the steam room, floor may be slippery.

NOTE: For additional safety instructions, see owner's manual.



**IMPORTANT SAFETY INSTRUCTIONS**

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. WARNING - To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.
3. WARNING - To reduce the risk of injury:
  - a. The wet surfaces of steam enclosures may be slippery. Use care when entering or leaving.
  - b. The steam head is hot. Do not touch the steam head and avoid the steam near the steam head.
  - c. Prolonged use of the steam system can raise excessively the internal human body temperature and impair the body's ability to regulate its internal temperature (hyperthermia). Limit your use of steam to 10 - 15 minutes until you are certain of your body's reaction.
  - d. Excessive temperatures have a high potential for causing fetal damage during the early months of pregnancy. Pregnant or possibly pregnant women should consult a physician regarding correct exposure.
  - e. Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a steam bath.
  - f. Persons using medication should consult a physician before using a steam bath since some medication may induce drowsiness while other medications may affect heart rate, blood pressure and circulation.
4. WARNING - Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F. The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness and fainting. The effect of hyperthermia include:
  - a. Failure to perceive heat:
  - b. Failure to recognize the need to exit the steam bath:
  - c. Unawareness of impending risk:
  - d. Fetal damage in pregnant women:
  - e. Physical inability to exit the steam bath: and
  - f. Unconsciousness.

WARNING - The use of alcohol, drugs or medication can greatly increase the risk of hyperthermia.

**SAVE THESE INSTRUCTIONS**

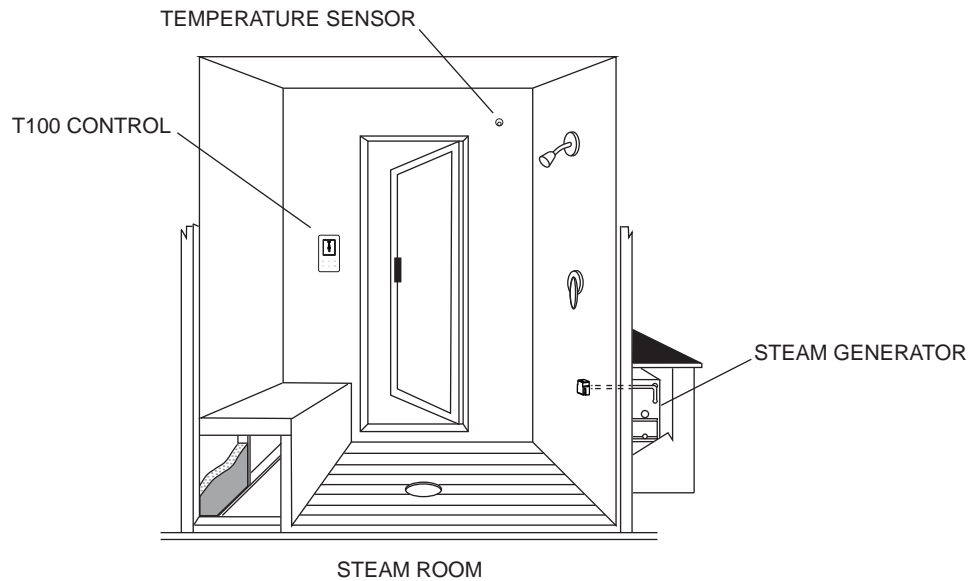
### T100 CONTROL OVERVIEW

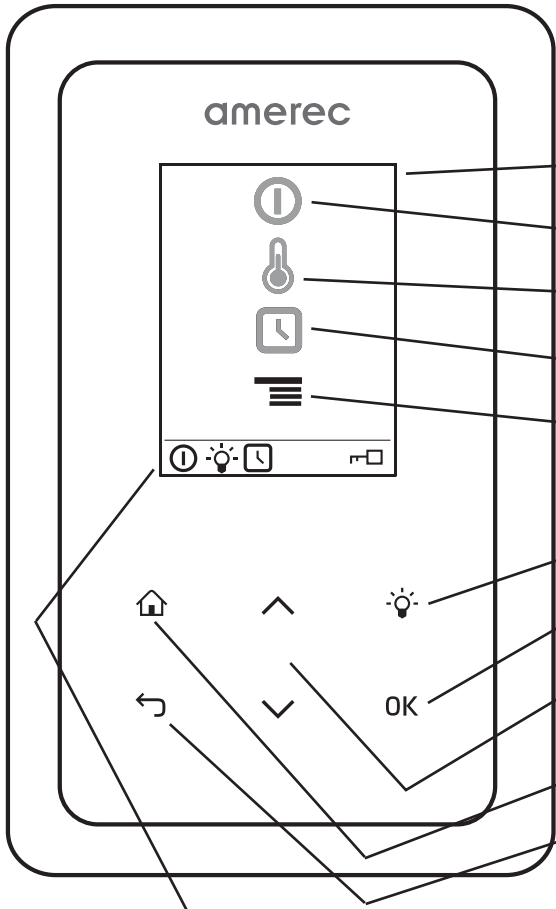
The T100 control is a low voltage wired control for use with Amerec's AT and 3T series steam generators. The control requires a shielded cable to connect to the steam generator. *Failure to use a properly shielded cable may result in poor performance!* A temperature sensor (required) mounts inside the steam room and connects to the steam generator.

The T100 uses touch screen switches to move through various menu screens to:

- start and stop the steam bath
- set or display the bath temperature
- choose between °F and °C temperature displays
- set the bath run time
- set a delayed start time for the steam bath
- set and display the time of day
- choose the displayed language
- control a low voltage room light

Note: The T100 will vibrate gently and a buzzing noise may be heard when a switch is pressed. This helps the user know that the switch was successfully pressed. This may be turned off if desired -- see *the Settings menu instructions* on page 8.





**Key To Symbols:**

**Main Menu**

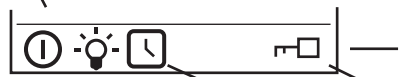
- 1. On/Off
- 2. Set Temperature
- 3. Set Bath Run Time and Delayed Start
- 4. Go to Settings Menu

**See Page:**

- 5
- 5
- 4
- 6
- 7 - 9

**Navigation Keys**

- 9. Lighting - Room Light On/Off
- 10. OK - Confirm Selection
- 11. Navigation Arrows  
- Move through menu items or change settings.
- 12. Home  
- Return to Main Menu Screen
- 13. Back  
- Move Back One Menu Item or One Step



**Status Display**

- 5. Keypad Locked
- 6. Delayed Start On
- 7. Room Light On
- 8. Steam Bath On

**See Page:**

- 8
- 6
- 5
- 5

## T100 CONTROL: OPERATION

To view the T100 display, simply touch the lower half of the glass screen. When you are used to using your control, you'll find that movement near the switches will light the display without touching it in most circumstances. Be careful not to touch the control near the OK switch - this may start or stop a steam bath before you are ready.

To navigate through the menus and their options:

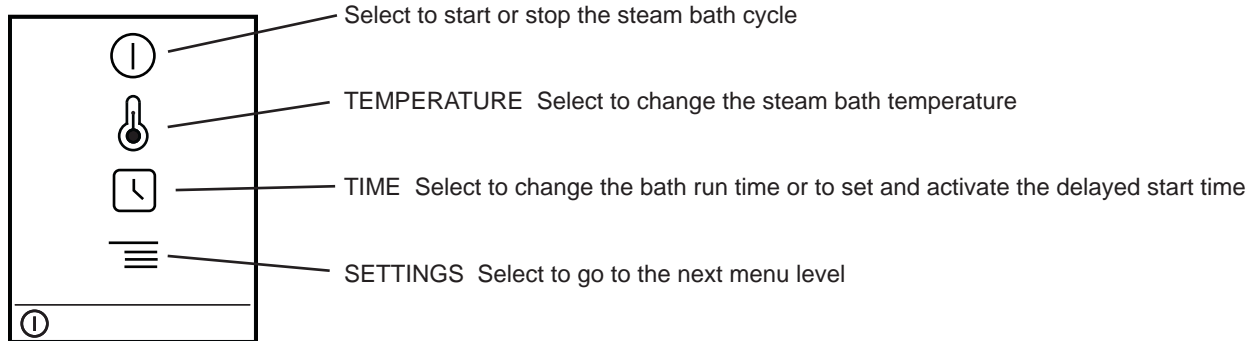
Use the up  $\wedge$  and  $\vee$  down arrow navigation keys to move through the menu items to highlight the one you want, then press **OK** to select it.

To back up one step, press the  $\leftarrow$  key.

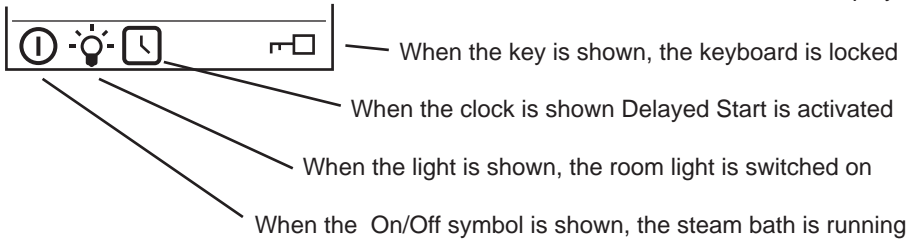
To return to the Main Menu from any menu, press the home  $\text{🏠}$  key.

Note: at any time, pressing the  $\text{💡}$  switch will turn a low voltage room light on or off.

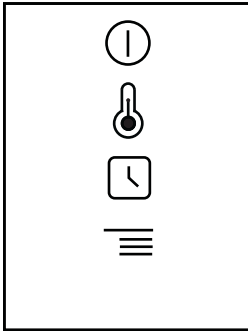
### MAIN MENU



**STATUS DISPLAY** Located at the bottom of the menu screen, the Status Displays shows when certain functions are on or off.



## TEMPERATURE MENU

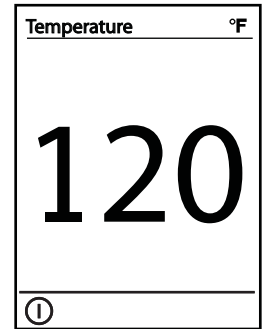


Select the Temperature icon to adjust the desired steam bath temperature.

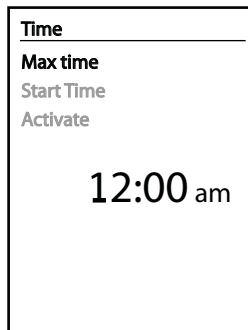
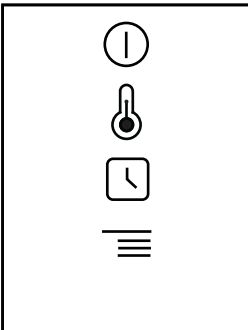
The current steam bath temperature set point is displayed.

Use  $\wedge$  and  $\vee$  navigation keys to scroll the temperature up or down to the desired setting then press **OK**.

Default is 115°F (46°C) and the temperature is adjustable to 125°F (51°C)



## TIME MENU Select the Time icon to adjust the desired steam bath run time or to controll a delayed start.

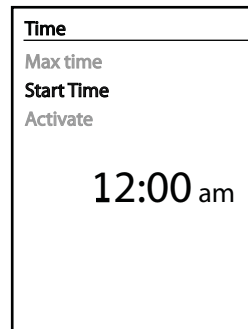
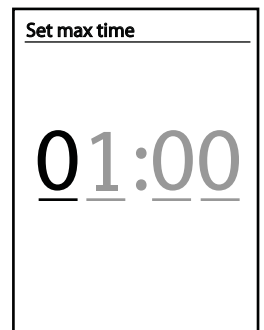


Select **Max Time** to adjust the desired steam bath run time.

The current steam bath run time setting is displayed.

Use the navigation keys to change each digit to its desired setting, then press **OK** to go to the next digit.

Default is 1 hour and adjustable up to 24 hours.



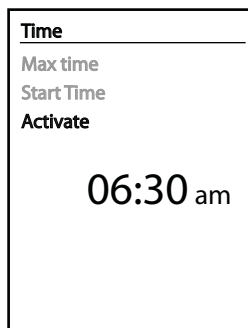
The T100 may be set to automatically start the steam bath at a later time, for example if you should want the steam bath ready to use when you get up in the morning.


Select **Start Time** to adjust the time of day you want the steam bath to start.

Use the navigation keys to change each digit to its desired setting, then press **OK** to go to the next digit. Remember to set am/pm correctly.



Once the time is set, the delayed start is automatically activated.

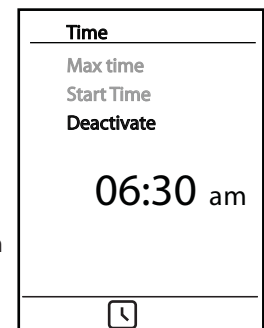


 When the delayed start option is activated, the clock symbol will appear at the bottom of the menu screens.

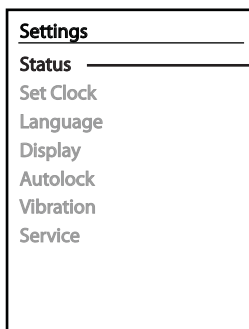
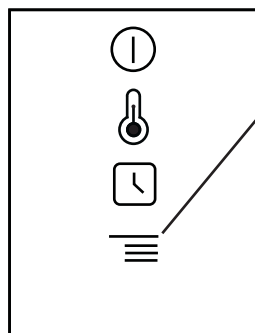
To turn off the delayed start, go to the Time menu and select **Deactivate** then press **OK**. The clock symbol will also disappear from the menus.

Choose **Activate** to turn on the delayed start again with the same start time.

Note: the selcted Delayed Start time is displayed in the **Time** menu.



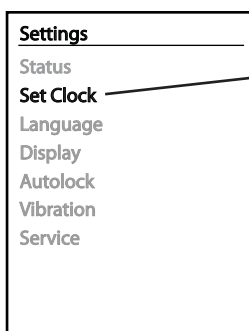
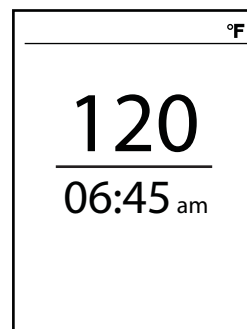
**SETTINGS MENU** Select the Settings icon to adjust the to your personal preferences.



Select **Status** to display the current temperature in your steam bath and the time of day.

If the steam bath is off, the display will automatically turn off after a delay (set in **Display**, below).

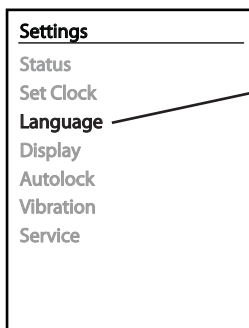
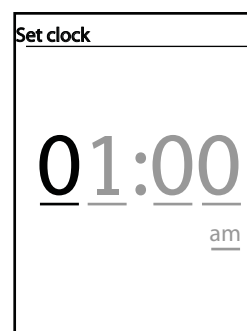
If the steam bath is on, the Status display will remain lit.



Select **Set Clock** to set the time of day.

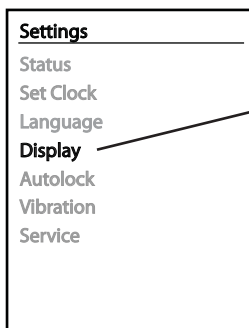
Use the navigation arrows to change the number up or down then **OK** to accept. Use the Back arrow to move back to the previous digit.

*Note: When the clock is set to the 12 hour display mode, the first hours digit cannot be changed to a 1 if the second digit is 3 or higher.*



Select **Language** to change the language used in the T100's display.

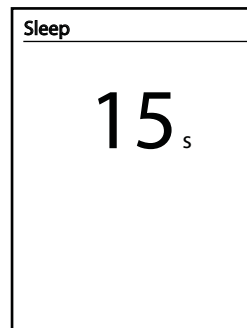
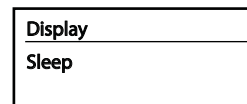
Use the navigation keys to highlight the language preferred then press **OK** to select.



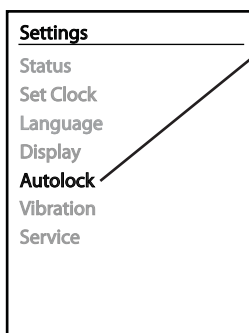
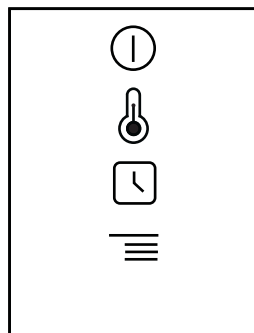
Select **Display** to set how long the T100's displays will remain lit. To increase the life of the T100's display, it will automatically turn off after a preset time. To set this time:

Press **OK** to select Sleep (automatically highlighted when entering the Display menu)

Use the navigation arrows to change the sleep time. The sleep time is set to 15 seconds by default and is adjustable from 3 to 90 seconds.



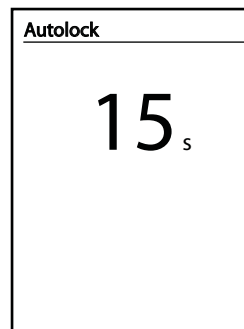
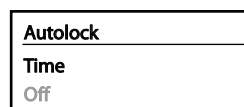
### SETTINGS MENU (continued)



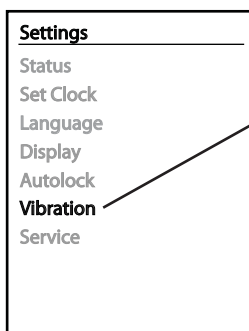
Select **Autolock** to prevent others from using the T100. When Autolock is on, The display will light but the T100 will not respond to key presses.

To set Autolock, first select Time, then adjust the desired delay time, then press **OK**. The delay is 15 seconds by default, adjustable from 15 to 60 seconds.

Next select OFF and press OK. Autolock is now enabled. After the selected delay time has passed, the keyboard will be locked and the key will be displayed. Repeat to turn Autolock off again.

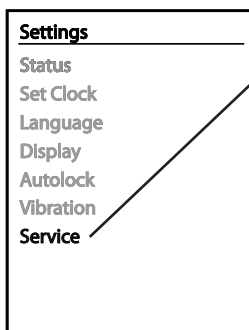
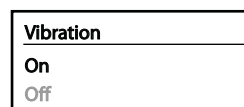


To access the T100, press the Home and Back keys at the same time and hold for about 3 seconds. These two keys may also be used to manually lock the keypad without turning on Autolock.



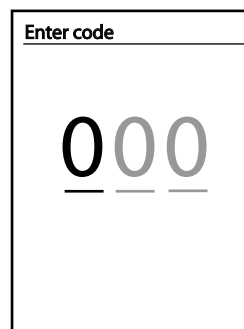
Select **Vibration** to change the effect when a key is pressed.

By default, when a key is pressed on the T100, there is a small vibration felt and a buzzing sound. Select Vibration, use the navigation keys to select On or Off, then press **OK** to turn this effect on or off.

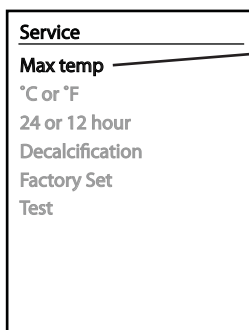
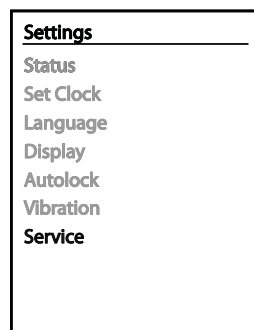


Select **Service** to go to the Service menu. The Service menu allows setting some personal options and is passcode protected to prevent unauthorized use.

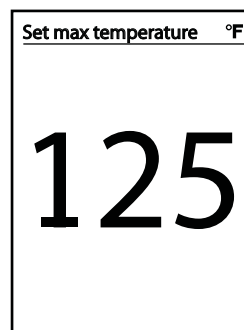
Select Service then use the navigation keys to enter the code 124, then press OK to enter the Service menu.



### SERVICE MENU



Select **Max temp** to adjust the maximum bath temperature setting allowed. By default, the bath maximum temperature is 125°F (51°C). The maximum temperature may be adjusted down from there to any value.





### SERVICE MENU (continued)

**Settings**

Status

Set Clock

Language

Display

Autolock

Vibration

**Service**

**Service**

Max temp

°C or °F

24 or 12 hour

Decalcification

Factory Set

Test

Select **°C or °F** to choose the temperature display units you prefer. Use the navigation keys to select Celcius or Fahrenheit then press OK.

Select **24 or 12 hour** to choose the way you want the time of day clock to display, either from 1 to 12 am and 1 to 12 pm or from 1 to 24 hours. (ex. 10:00pm = 22:00)

**Select temp.**

Celsius °C

Fahrenheit °F

**Select time format**

24 hour

12 hour

**Service**

Max temp

°C or °F

24 or 12 hour

**Decalcification**

Factory Set

Test

In areas with hard water, the steam generator may require decalcification periodically. The T100 may be set to remind you when it is time to do this.

Select **Decalcification** then select Decalcification time to set the the run time before the T100 notifies you that decalcification is scheduled. The run time may be set from 0 (off) to 100 hours of operation.

**Decalcification**

Decalcification time

Run time

**Decalcification time**

40:00

When the steam generator has been used for the number of hours set in Decalcification, you will be asked if decalcification has been done each time a steam bath is turned on until you respond with yes.

To determine how many hours the steam generator has run since the last decalcification, go to the Decalcification menu and select Run time. The run time will reset when you respond yes to the decalcification reminder.

**Run time**

00:00

**Service**

Max temp

°C or °F

24 or 12 hour

Decalcification

**Factory Set**

Test

Two additional items are available in the Service menu: Factory Set and Test.

**Factory Set** is used as part of the initial T100 set up and is not available for the user.

**Test** is used during troubleshooting and should not be used without factory assistance. Contact Technical Support at 1-800-363-0251 for more information or assistance.

### TROUBLESHOOTING

There are no user serviceable parts in the T100. If your T100 is not operating properly:

Check the cable between the control and the steam generator.

- Make sure it is a shielded cable (plugs on both ends are covered with metal shells.)
- Make sure it is connected firmly at both ends.
- Make sure there are no staples through the cable or other damage.
- Check for corrosion on the connectors.

Check the steam Generator

- Is a green light blinking on the steamer's circuit board?
  - If not make sure the generator's power is on and refer to the steamer's Installation Instructions for a troubleshooting guide.

Contact Technical Support for assistance.

**amerec**

Technical Support

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Woodinville, WA 98072

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FAX 425-951-1130

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