amerec

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.
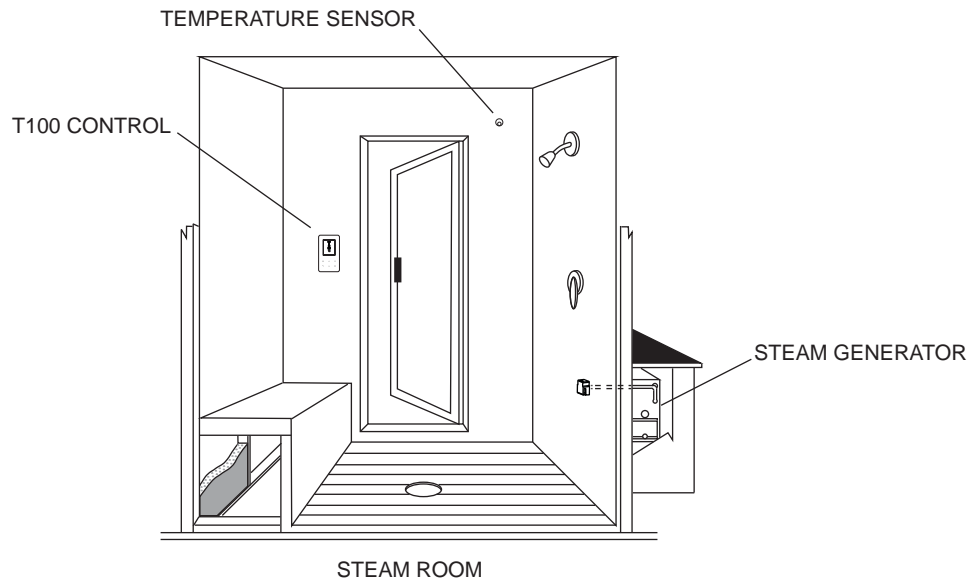
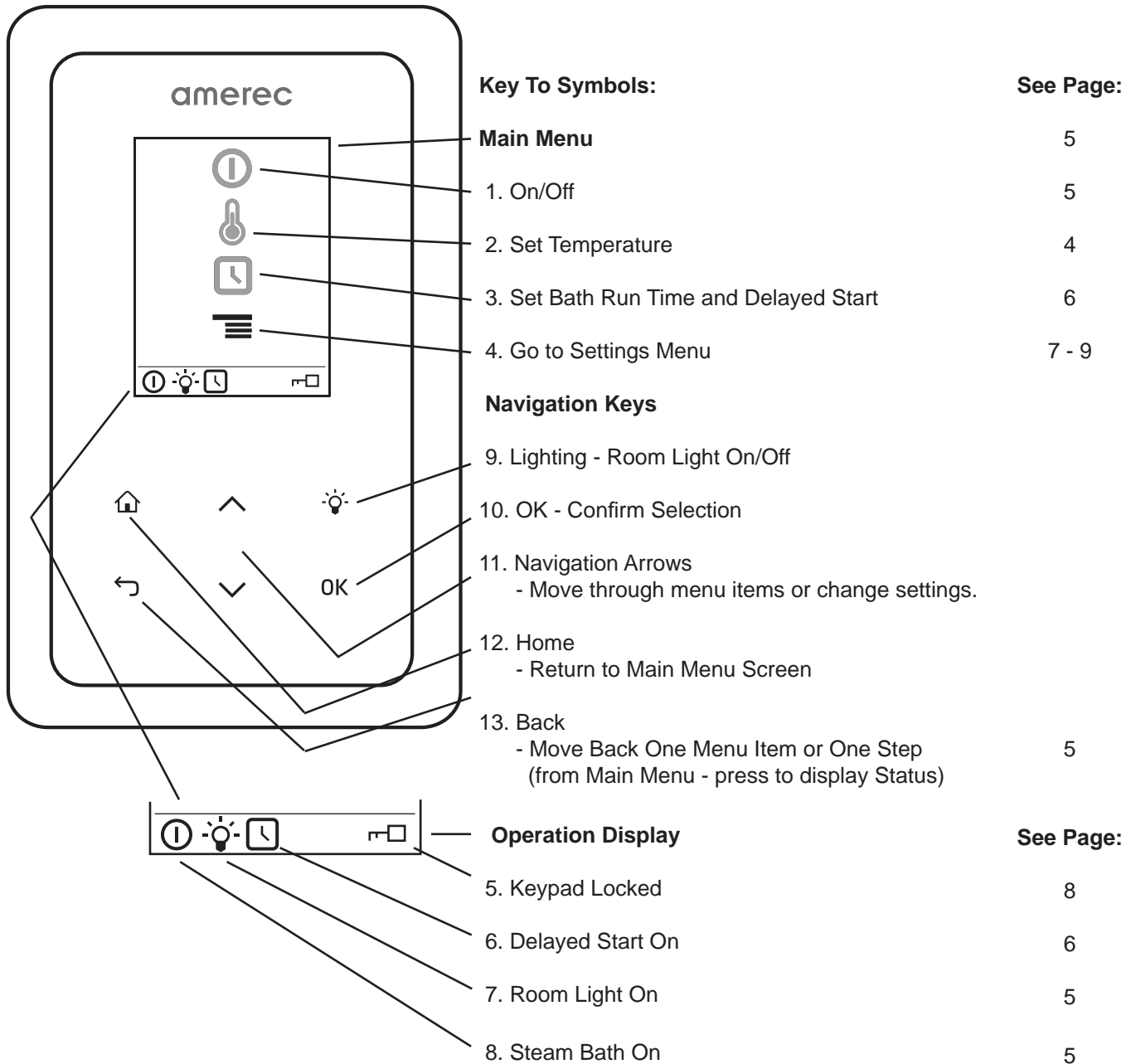## SAVE THESE INSTRUCTIONS

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.

TEMPERATURE SENSOR

T100 CONTROL

STEAM GENERATOR

STEAM ROOM

amerec

Key To Symbols: **See Page:**

Main Menu   5

1. On/Off   5

2. Set Temperature   4

3. Set Bath Run Time and Delayed Start   6

4. Go to Settings Menu   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   5
      (from Main Menu - press to display Status)

Operation Display   **See Page:**

5. Keypad Locked   8

6. Delayed Start On   6

7. Room Light On   5

8. Steam Bath On   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 ∧ and ∨ 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 ↰ key.

To return to the Main Menu from any menu, press the home ⌂ key.

Note: at any time, pressing the ☀ switch will turn a low voltage room light on or off.

MAIN MENU

Select to start or stop the steam bath cycle

TEMPERATURE Select to change the steam bath temperature

TIME Select to change the bath run time or to set and activate the delayed start time

SETTINGS Select to go to the next menu level
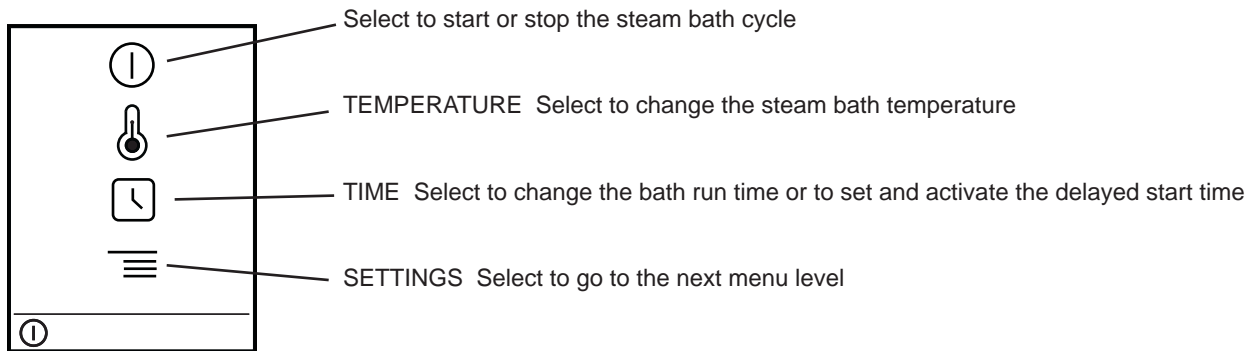
OPERATION DISPLAY Located at the bottom of the menu screen, this display shows when certain functions are on or off.

When the key is shown, the keyboard is locked

When the clock is shown Delayed Start is activated

When the light is shown, the room light is switched on

When the On/Off symbol is shown, the steam bath is running
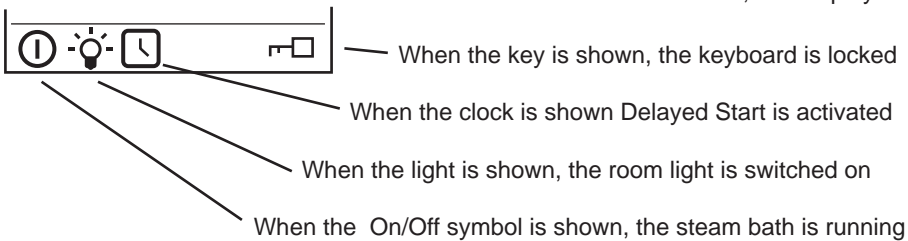
↰   Press the Back key to go back one step while in any menu.

Press the Back key while in the Main Menu to show the Room Status display. When the steam bath is turned off, the the Status screen shows the current temperature in the steam room, the time of day and the bath time setting. When the steam bath is on, the bath time counts down while showing the time remaining before the bath is automatically turned off.

69°F ── RoomTemperature ── 115°F

06:45 am ── Time of Day ── 07:00 am

Bath Time setting for automatic turn off ── 01:00   00:45 ── Time remaining before the bath turns off
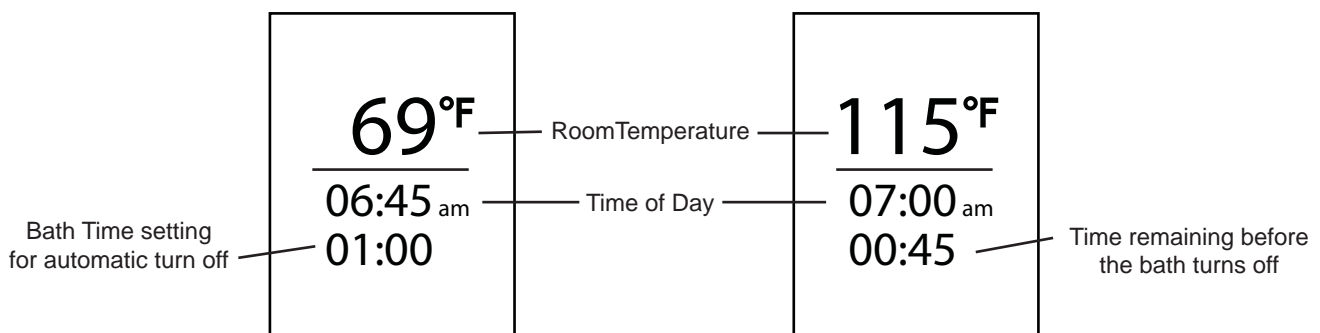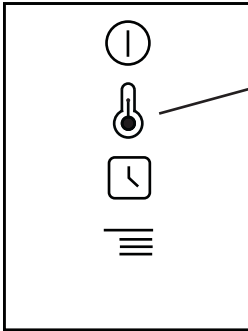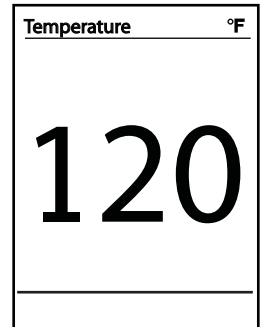
TEMPERATURE MENU

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

The current steam bath temperature set point is displayed.

Use ∧ and ∨ 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)

> Temperature °F
>
> 120

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

> **Time**
> **Bathtime Limit**
> Start Time
> Activate
>
> 12:00 am
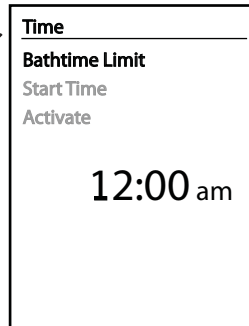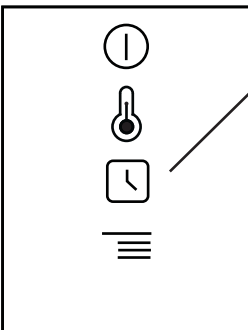
Select **Bathtime Limit** to adjust the desired steam bath run time.

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.

> **Bathtime Limit**
>
> 01:00

> **Time**
> Bathtime Limit
> **Start Time**
> Activate
>
> 12:00 am
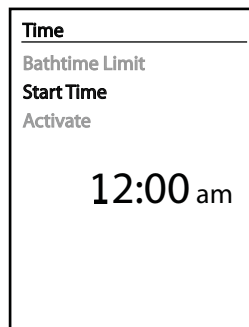
The T100 may be set to automatically start the steam bath at a later time, for example if you should want the steam bath ready to use when you get up in the morning.

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.

> **Start Time**
>
> 01:00 am
>
> 06:30 pm
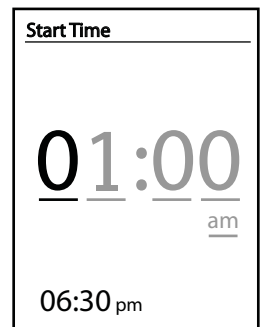
Once the time is set, the delayed start is automatically activated.

> **Time**
> Bathtime Limit
> Start Time
> **Activate**
>
> 06:30 am
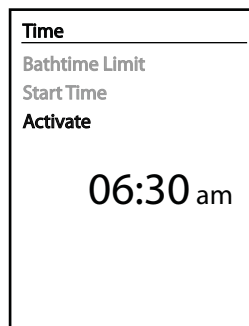
When the delayed start option is activated, the clock symbol will appear at the bottom of the menu screens.
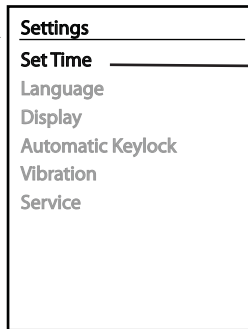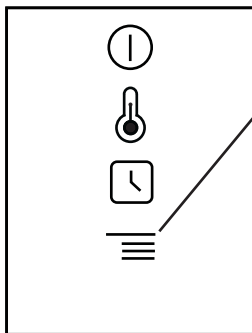
To turn off the delayed start, go to the Time menu and select **Deactivate** then press **OK**. The clock symbol will also disappear from the menus.

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.

> **Time**
> Bathtime Limit
> Start Time
> **Deactivate**
>
> 06:30 am
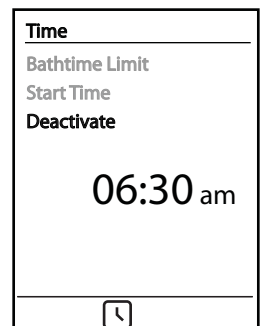
SETTINGS MENU   Select the Settings icon to adjust the to your personal preferrences.

Settings
Set Time
Language
Display
Automatic Keylock
Vibration
Service

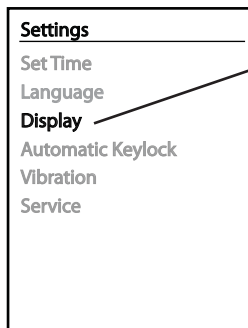Select **Set Clock** to set the time of day.

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.*

Set clock
01:00
am

Settings
Set Time
Language
Display
Automatic Keylock
Vibration
Service
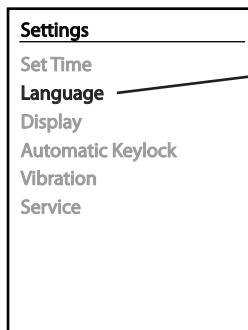
Select **Language** to change the language used in the T100's display.

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

Language
English
Svenska
Deutsch
Francais

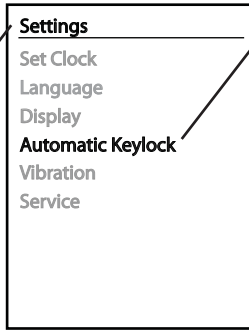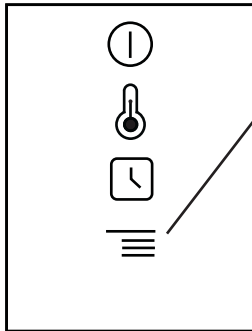| Settings |
|---|
| Set Time |
| Language |
| **Display** |
| Automatic Keylock |
| Vibration |
| Service |

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 high-lighted when enterring 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.

Display
Sleep Delay

Sleep Delay
15 s
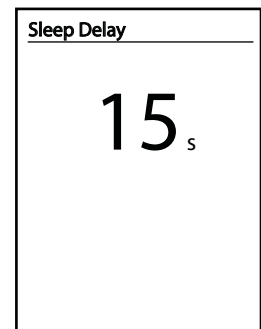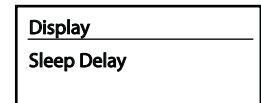
SETTINGS MENU (continued)

| Settings |
|---|
| Set Clock |
| Language |
| Display |
| **Automatic Keylock** |
| Vibration |
| Service |

Autolock
Time
Off

Select **Automatic Keylock** 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 from15 to 60 seconds.

Autolock
15_s

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 ⌨ symbol will be displayed. Repeat to turn Autolock off again.
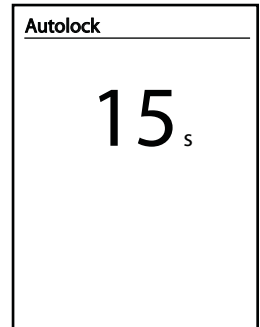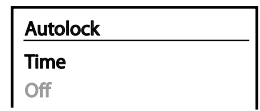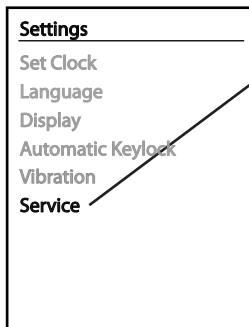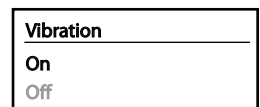
To access the T100 when locked: press the Home ⌂ and Back ↶ keys at the same time and hold for about 3 seconds. These two keys may also be used to manually lock the keypad without turning on Autolock.

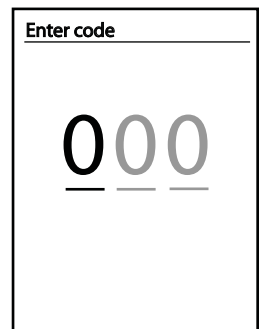| Settings |
|---|
| Set Clock |
| Language |
| Display |
| Automatic Keylock |
| **Vibration** |
| Service |
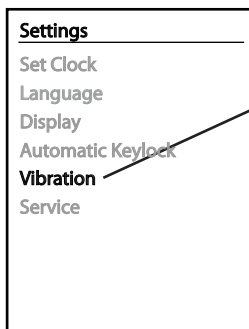
Vibration
On
Off

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.

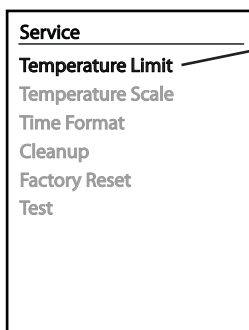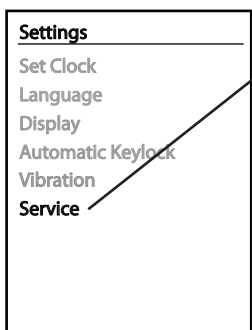| Settings |
|---|
| Set Clock |
| Language |
| Display |
| Automatic Keylock |
| Vibration |
| **Service** |

Enter code
0 0 0

Select **Service** to go to the Service menu. The Service menu allows setting some personal options and is passcode protected to prevent unauthorized use.
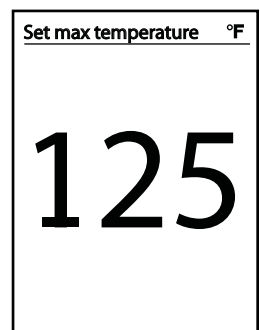
Select Service then use the navigation keys to enter the code 124, then press OK to enter the Service menu.
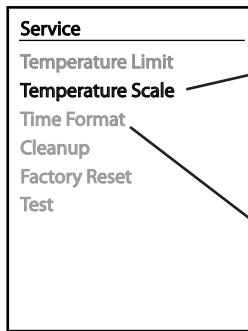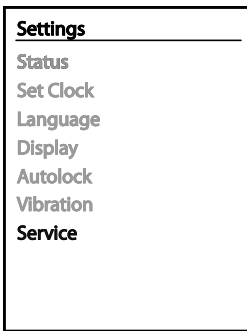
SERVICE MENU

Settings
Set Clock
Language
Display
Automatic Keylock
Vibration
Service

Service
Temperature Limit
Temperature Scale
Time Format
Cleanup
Factory Reset
Test

| Set max temperature   °F |
|---|
| 125 |

Select **Temperature Limit** to adjust 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

Temperature Limit
Temperature Scale
Time Format
Cleanup
Factory Reset
Test

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

Temperature Scale

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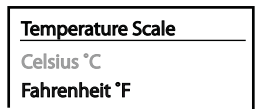
Select **Time Format** to choose the way you want the time of day clock to display, either from 1 to 12 am and 1 to 12 pm or from 1 to 24 hours. (ex. 10:00pm = 22:00)

Select time format

24 hour
12 hour

Service

Temperature Limit
Temperature Scale
Time Format
**Cleanup**
Factory Reset
Test
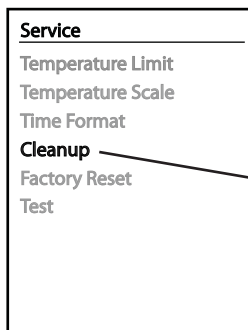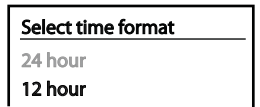
In areas with hard water, the steam generator may require decalcification periodically. The T100 may be set to remind you when it is time to do this.

Select **Cleanup** then select Cleanup 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.

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

Cleanup

Cleanup time
Run time

Cleanup time

40:00

Run time

00:00
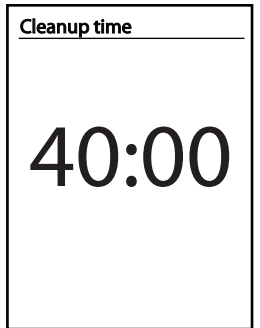
To determine how many hours the steam generator has run since the last decalcification, go to the Decalcification menu and select Run time. The run time will reset when you respond yes to the decalcification reminder.

Service

Temperature Limit
Temperature Scale
Time Format
Cleanup
Factory Reset
Test
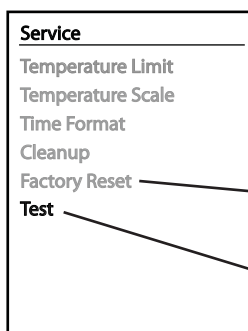
Two additional items are available in the Service menu: Factory Set and Test.

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 generaor.
  • Make sure it is a shielded cable (plugs on both ends are covered with metal shells.)
  • Make sure it is conected 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.