STEAMIST®

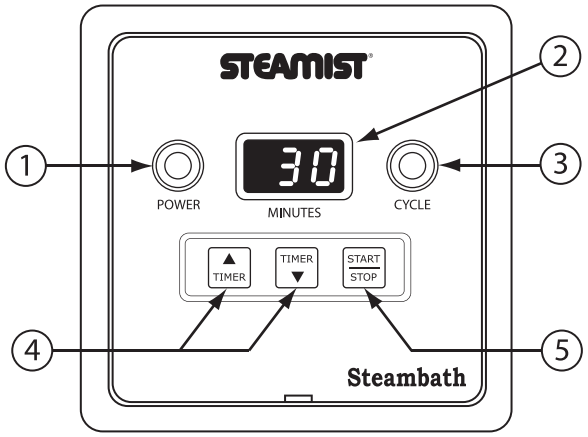
Steambath Control — Model: DSP

Control Features

1. ***Power Display Indicator:*** *Indicates main power to steam unit is ON or OFF (this light is normally ON).*
2. ***Timer Display:*** *Counts down the remaining minutes and shows programmed minutes.*
3. ***Cycle Display Indicator:*** *Indicates the cycle has started and the timer is counting down (this light normally blinks when ON).*
4. ***Increase/Decrease Timer Set Keypads:*** *Press for a second to view the previously selected time. Press and hold to program the desired minutes.*
5. ***Start/Stop Keypad:*** *Press to start programmed cycle; press again to cancel cycle.*

IMPORTANT: *This control MUST be installed **OUTSIDE** the steamroom for proper operation of the system.*

DTC-200 Digital Timer Control



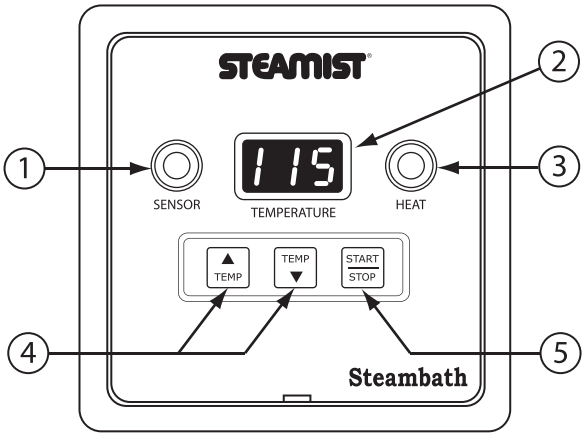
Control Features

Control Features

1. ***Temperature Sensor:*** *Measures temperature inside steamroom.*
2. ***Temperature Display:*** *Indicates steamroom temperature and programmed temperature.*
3. ***Heat Light:*** *Indicates the generator is producing steam when illuminated. The heater in the generator and the heat light will cycle ON/OFF as the temperature is maintained automatically in the steamroom.*
4. ***Increase/Decrease Temperature Set Keypads:*** *Press for a second to view the previously selected temperature. Press and hold to program the desired temperature.*
5. ***Start/Stop Keypad:*** *Press to start programmed cycle; press again to cancel cycle.*

IMPORTANT: *This control MUST be installed **INSIDE** the steamroom for proper operation of the system.*

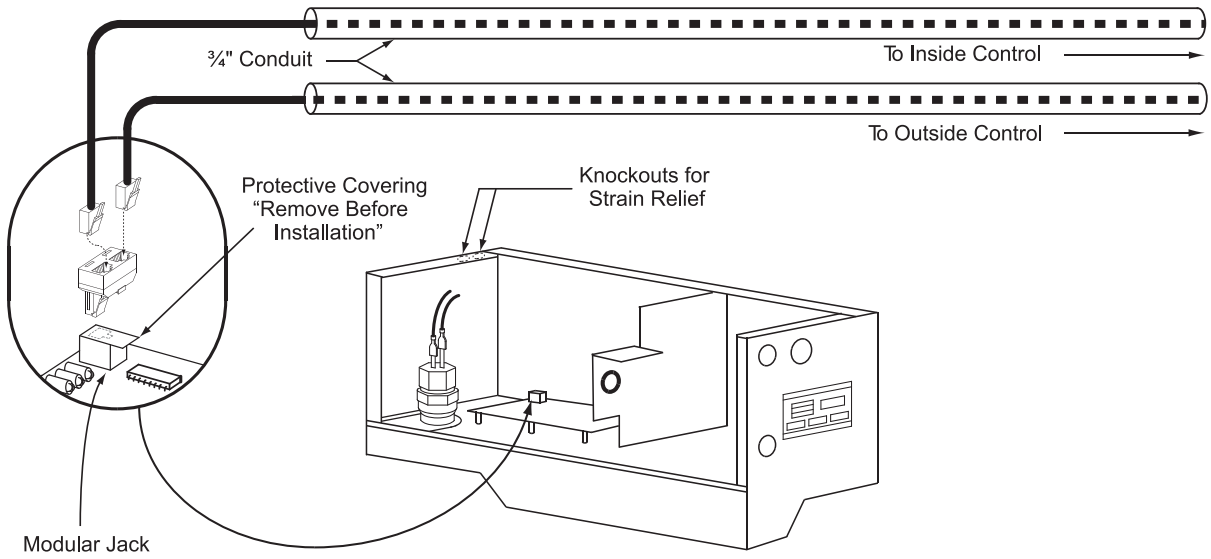
DTC-225 Digital Temperature Control



WARNING: *Elderly persons, pregnant women, or those suffering from heart disease, high blood pressure, diabetes, or who are otherwise not in good health, do not use this device unless directed to do so by a physician. Also, do not use steambath while under the influence of alcohol. For additional Important Safety Information, please see a separate instruction sheet Pub. No. 199.*

IMPORTANT: *The DSP Controls will only function with one of the following Steamist Generator models: SM-46, SM-79, SM-4, SM-5, SM-7, SM-8, SM-11, SM-12, SM-15, System-18, System-24, System-30, with or without the InstaMist feature.*

Figure 1 Model: DSP



Installation Instructions

The Digital ON/OFF Elapsed Timer/Temp Controls are designed to be connected and operated only with the Steamist SM Steambath Generator and cannot be used with any other equipment.

***CAUTION:** All electrical connections must be performed by a licensed electrician in accordance with Local and National Electrical Codes. Power must be OFF until all wiring is complete.*

1. *Remove the cover of the Steambath Generator. Insert both multi-conductor cables, supplied by Steamist, through the strain relief clamps (provided) and secure the cable to the top of the Steambath Generator (see Figure1) leaving 8" of cables inside the generator.*

   Remove the protective covering labeled "Remove Before Installation" from the Telco Jack found on the circuit board. Remove protective cap from plugs and insert Steamist cable splitter into Telco Jack. Plug cables into splitter; check that the orientation of the plug properly aligns with the jack. A snap will indicate the plug is installed correctly. Replace Steam Generator cover.

2. *Select a mounting location outside the steamroom for the Digital Timer Control and inside the steamroom for the Digital Temperature Control. Mount 2 metal, gangable, switch boxes, twinned together (not provided) in these locations (see Figure 3). Do NOT use a 4x4 electrical box. The 4x4 box requires a larger opening in the wall and is more difficult to cover with the controls.*

   ***CAUTION:** Care must be taken when assembling 2 single gangable switch boxes. Improper assembly will cause misalignment between the box and base plate mounting holes.*

3. *Carefully route the multi-conductor cables, one supplied for each control, from the steambath generator to the switch boxes located one outside the tub/shower area for the Digital Timer Control and the other inside the tub/shower area for the Digital Temperature Control. Route each multi-conductor cable through its own ¾" conduit to protect the cables from damage and to facilitate replacement if necessary.*

4. *Using the knockouts either on the top or bottom of the switch boxes, secure the cables with the strain relief fittings (provided). It is suggested that the strain relief fittings be installed from inside the switch box so the cables may be adjusted. Allow approximately 10" to 12" of cable to extend into the box beyond the strain relief fitting. Protect the control cables by placing them inside the switch boxes during construction, with the protective caps installed over the ends.*

***NOTE:** The Digital Timer and Temperature Controls should be stored in the protective box until the walls are completed and are ready to be installed.*

5. *After the walls are finished you are now ready to wore and install the Digital ON/OFF Elapsed Timer DTC-200 and Temperature DTC-225 Controls.*

***CAUTION:** Electrical power to the steambath generator MUST be OFF before making the connection.*

(a) *Locate the Telco Jack on the back of the Digital Timer Control. Remove the protective covering labeled*

Figure 2 - Back of DTC-225 (Inside Temperature Control)

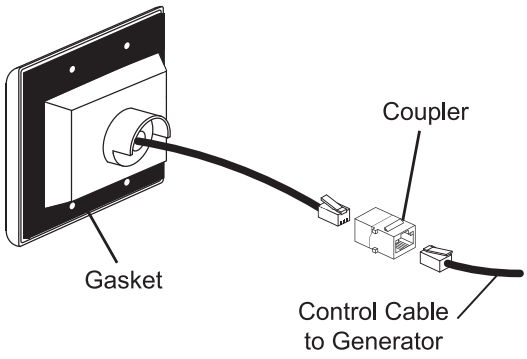
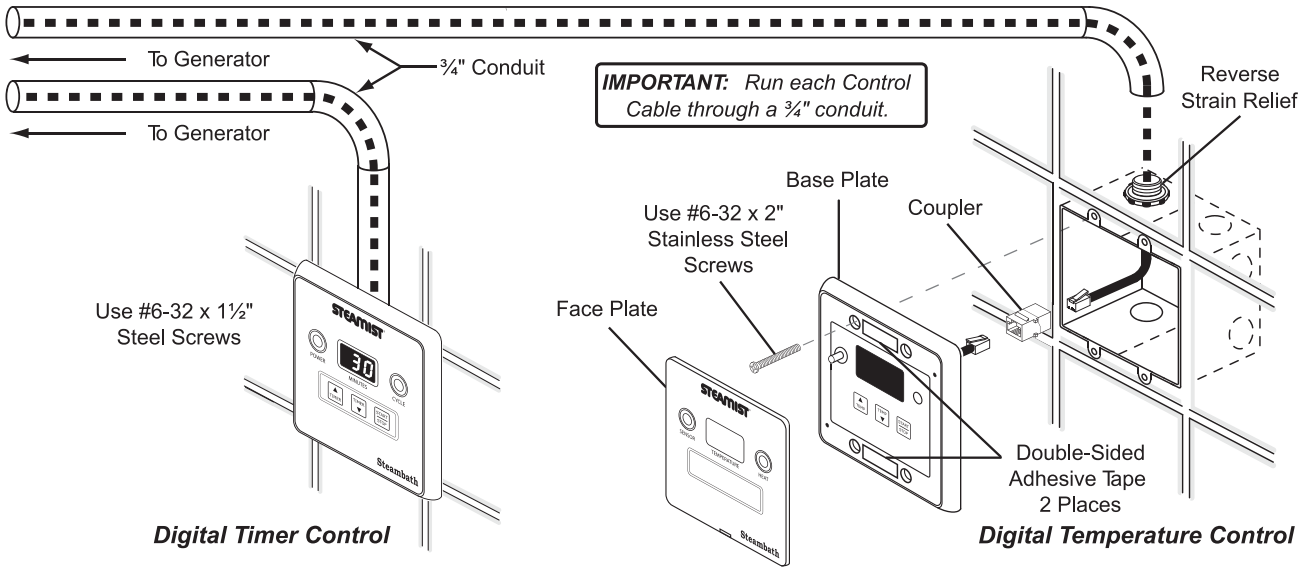


Figure 3 — Model: DSP



"Remove Before Installation." Remove protective cap from cable and plug into jack. Check that the orientation of the plug properly aligns with the jack. A snap will indicate the plug is installed correctly.

(b) Locate Telco Jack at female coupler, on back of the Digital Temperature Control. Remove the protective covering labeled "Remove before Installation." Remove protective cap from cable and plug into jack. Check that the orientation of the plug properly aligns with the jack. A snap will indicate the plug is installed correctly (see Figure 2).

(c) Mount base plate assemblies to the switch boxes using No. 6-32 x 2" stainless steel screws for Inside Temperature Control and No. 6-32 x 1½" steel screws for Outside Timer Control. Both are supplied in the plastic mounting hardware bags.

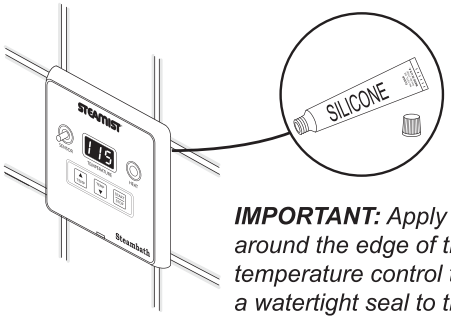
***IMPORTANT:** Stainless Steel screws (6-32 x 2") MUST be used on the Inside Temperature Control.*

***IMPORTANT:** Test the controls for operation before installing face plates.*

***6.** To install face plates, peel back the (2) paper liners on each base plate to expose adhesive surfaces. Attach face plates to the appropriate control.*

***7.** Clean the face and base plate assembly with a damp cloth after installation to remove all dust, dirt, grime, etc.*

Figure 4



***IMPORTANT:** Apply silicone around the edge of the temperature control to form a watertight seal to the wall.*

Installation Instructions for Steamhead & Center Hub

***1.** Make sure the 3/4" nipple protrudes beyond the tile approximately 1/2" (see Figure 5).*

***2.** Wrap the nipple with pipe sealant tape.*

***3.** Put a bead of silicone around the outer edge of the Back Plate (see Figure 5) and center the Back Plate over the pipe in an upright position. While holding it in place screw the Center Hub onto the nipple, using a ⅜" Hex Key to tighten.*

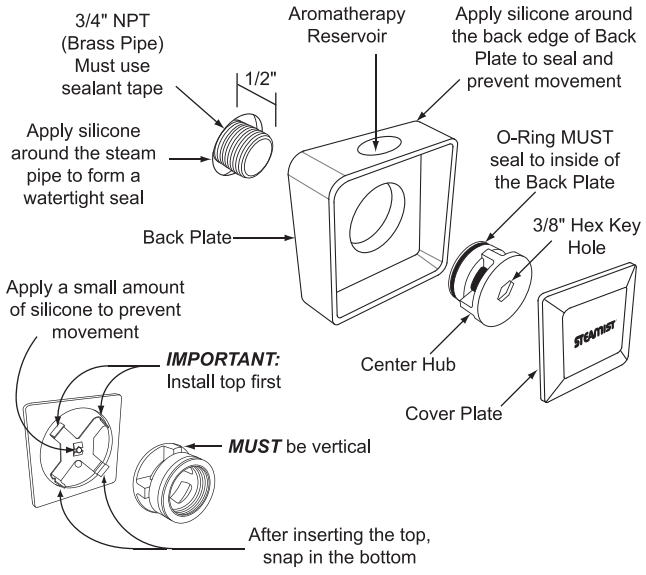
***4.** The Center Hub MUST be aligned with the four walls in the vertical and horizontal position (see Figure 6). Make sure the steamhead O-ring is fully seated into the Back Plate. If the nipple is sticking out too far the O-ring will not make a proper seal and the nipple must be adjusted.*

***5.** Apply a small amount of silicone at the back center point of the Cover Plate. This will aid in preventing movement of this plate (see Figure 5).*

***6.** Place the Cover Plate over the Center Hub. This is accomplished by first hooking the top and then snapping the bottom into place.*

***7.** Adjust the Back Plate and Cover Plate to line up squarely, and clean excess silicone with rubbing alcohol.*

Figure 5



Operating Instructions

Model: DSP

IMPORTANT: *Although the controls are low voltage, power to the generator must be switched off before servicing electrical connections.*

Operation
Simply press the Start/Stop keypad on either the timer or the temperature control to begin the previously programmed cycle. Pressing the Start/Stop keypad a second time will cancel the cycle. After a cycle is started it will take a few minutes for the Steam Generator to heat up and begin producing steam. This time will vary from less than 1 minute (with InstaMist feature) to 7 minutes depending on the model Steam Generator.

During operation the timer will count down the remaining minutes and the cycle light will flash to remind you the system is active. The temperature control will display the steambath temperature and the heat light will cycle on and off with the heater as the set temperature is maintained.

Timer Programming Instructions
Press either the "▼" or "▲" keypad for one second to display the previously programmed time (minutes).

NOTE: *The timer control may only be programmed when the cycle light is off. Press the Start/Stop keypad to cancel the cycle light if necessary.*

Press and hold the appropriate keypad to increase or decrease the programmed time (1 - 60 minutes). This new time will automatically be locked in memory.

Temporary Timer Adjustments
While the cycle light is flashing, the above procedure may be used to make temporary adjustments to the timer. This will change the minutes remaining on the present cycle but will not alter the programmed time locked in memory.

Temperature Control Programming Instructions
The temperature control is programmed the same as the timer except it does not matter if the cycle is operating or not; all adjustments are locked into memory. The adjustable range of the control is from 50° to 130°F (10° to 55°C).

Cleaning Instructions: *Use a damp cloth and mild soap. Do NOT use abrasive cleaners which might scratch the surface or the base of the control.*

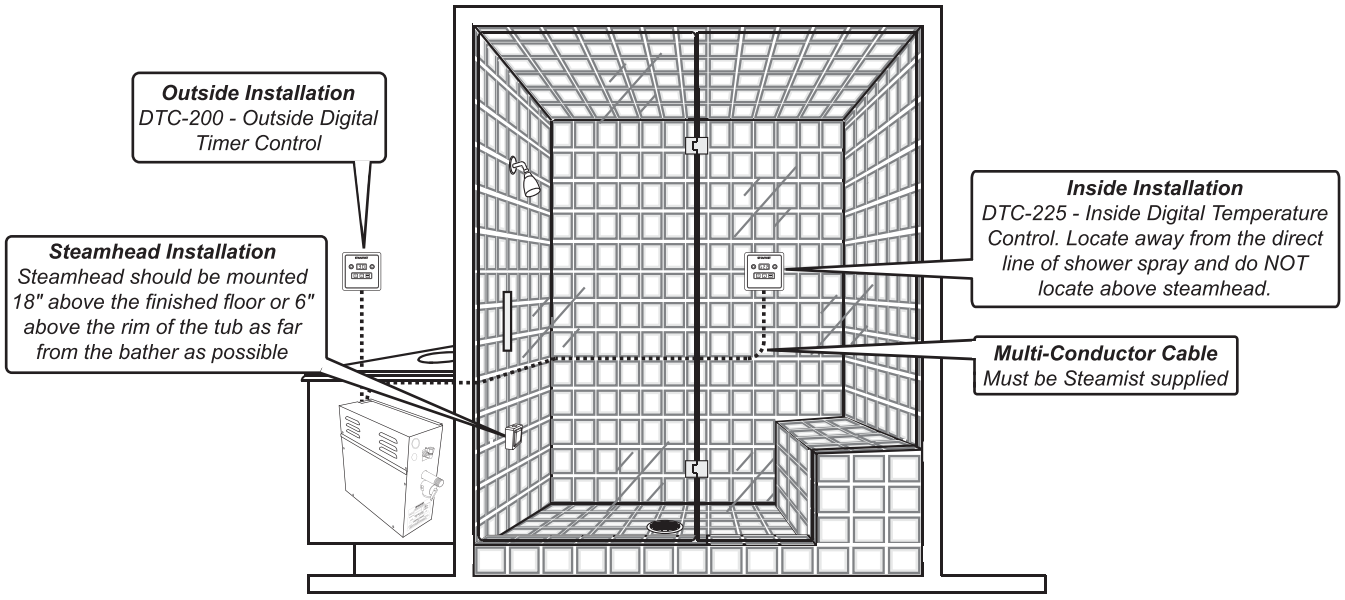
Additional Features

Memory: *The memory in both the timer and temperature control is retained even if there is a power failure.*

Fahrenheit/Celsius: *The temperature display may be changed to Fahrenheit or Celsius by simultaneously pressing and holding the "▼" or "▲" keypad for 5 seconds. The display will flash a "C" or "F" when the change is made.*

Error Messages: *This control is programmed with a diagnostic feature to help isolate any potential problems. Error messages E0, E1, E2 and E3 indicate a problem internal to the control. If this occurs, the control should be repaired or replaced. Error messages E4, E5 and E6 indicate a communication problem with the Steam Generator. If this error occurs, check both ends of the control cable for clean dry and secure connections. Dirty contacts can be cleaned with alcohol and a cotton swab or a toothbrush. This can also happen if the control is not sealed and the cable connections get wet.*

Figure 6



All Instructions must be given to the homeowner for future use.