

# Installation and Operating Instructions

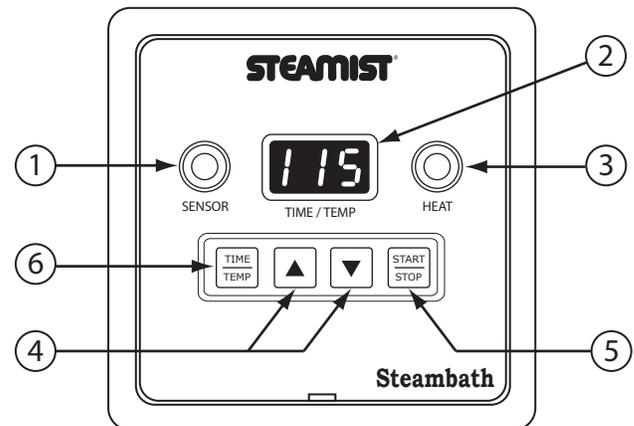


**WARNING:** Elderly persons, pregnant women, or those suffering from heart disease, high blood pressure, diabetes, or who are otherwise not in good health, do not use this device unless directed to do so by a physician. Also, do not use steambath while under the influence of alcohol.

**IMPORTANT:** the DSC-425 Control 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.

## Control Features

1. **Temperature Sensor:** Measures Temperature inside steamroom.
2. **Temperature/Timer Display:** Counts down remaining minutes and shows programmed minutes, set temperature, and room 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 and Timer set Keypads:** Press for a second to view the previously selected time/temp. Press and hold to program the desired minutes or set point temp.
5. **Start/Stop Keypad:** Press to start programmed cycle, press again to cancel cycle.
6. **Time/Temp Keypad:** Press to select between time and temperature.



**DSC-425**

**Digital Timer and Digital Temperature Control**

## Installation Instructions

**IMPORTANT:** This control MUST be installed inside the steam room for proper operation of the system.

The Digital ON/OFF Elapsed Timer/Temp control is designed to be connected and operated only with the Steamist SM steambath generator and cannot be used with any other equipment.

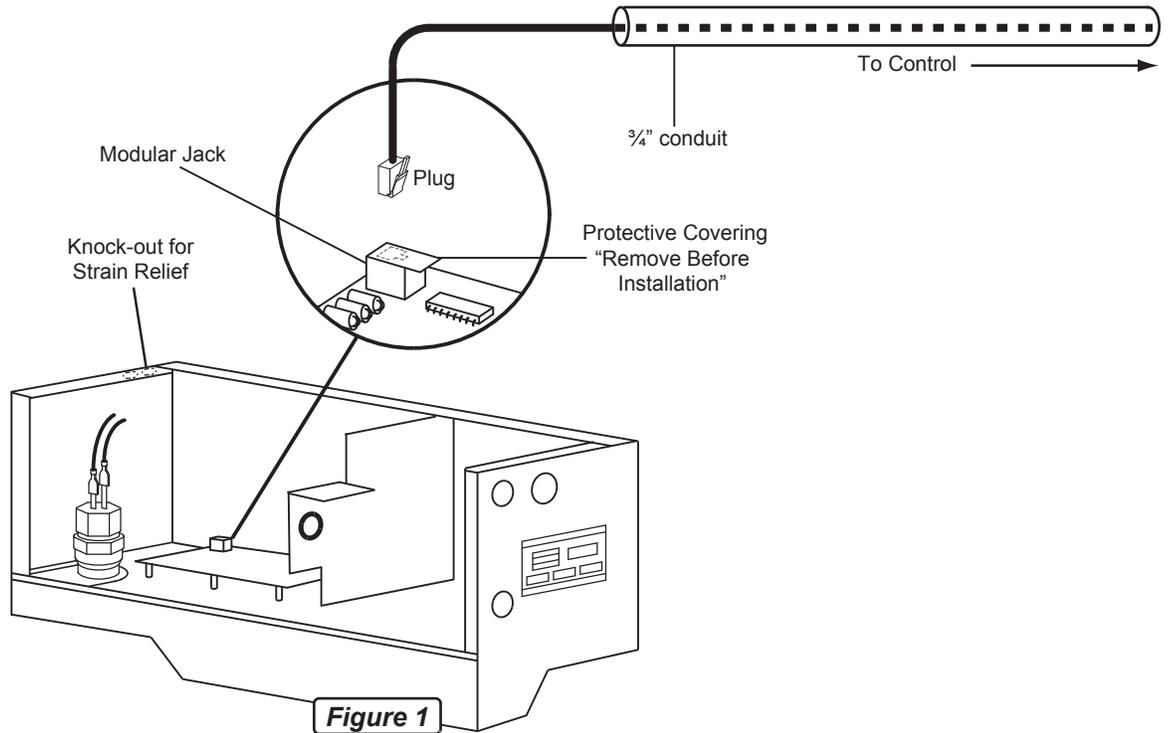
**CAUTION:** All electrical connections must be performed by a licensed electrician in accordance with Local and National Electrical Codes. Power must be OFF until all wiring is complete.

1. Remove the cover from the Steambath Generator. Insert multi-conductor cable with strain relief (provided) through cabinet knock-out and secure the cable to the top of the steambath generator leaving 8" of cable inside

the generator. Remove the protective covering labeled "Remove before Installation" from the Telco Jack found on the Circuit Board. Remove protective cap from plug and insert Steamist cable into Telco Jack, check that the orientation of the plug properly aligns with the jack. A snap will indicate the plug is installed correctly (see Figure 1). Close and secure Generator cover.

**NOTE:** The DSC-425 Control should be stored in the protective box until the wall is completed and is ready to be installed.

2. Select a mounting location inside the steam room for DSC-425 Control, 4 feet above the floor convenient to the bather. Do NOT locate in direct line of shower head spray



or above steamhead (see Figure 6). Mount 2 metal, gangable switch boxes; twinned together (not provided) in this location. Do NOT use a 4x4 electrical box.

3. Carefully route the other end of the multi-conductor control cable from the Steambath Generator to the DSC-425 inside the steamroom. Route multi-conductor cable through a 3/4" conduit to protect the cable from damage and to facilitate replacement if necessary.

4. Using the knock-out either on top or bottom of the switch box, secure cable with a strain relief fitting provided. It is suggested that the strain relief fitting be installed from inside the switch box so cable may be adjusted. Allow approximately 10" – 12" of cable to extend into the box beyond the strain relief fitting. Protect control cable by placing it inside the switch box during construction, with the protective cap installed over the end (see Figure 3).

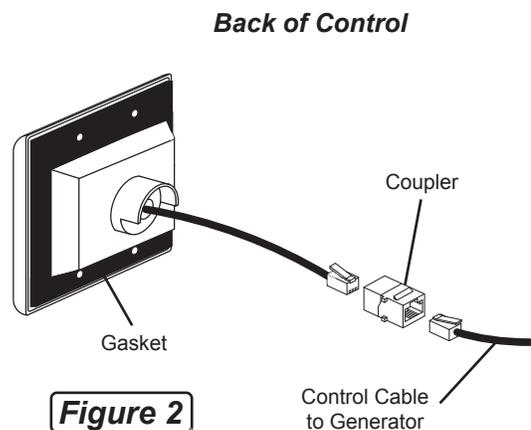
5. After the walls are finished you are now ready to wire and install the Digital On/Off Elapsed Time/Temp DSC-425 Control.

**CAUTION:** Electrical Power to the Steambath Generator must be OFF before making connections.

a) Locate Telco Jack at female coupler, on back of 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).

b) Mount Base Plate Assembly to the switch box using No. 6-32 X 2" S/S SCREWS (supplied in the plastic mounting hardware bag).

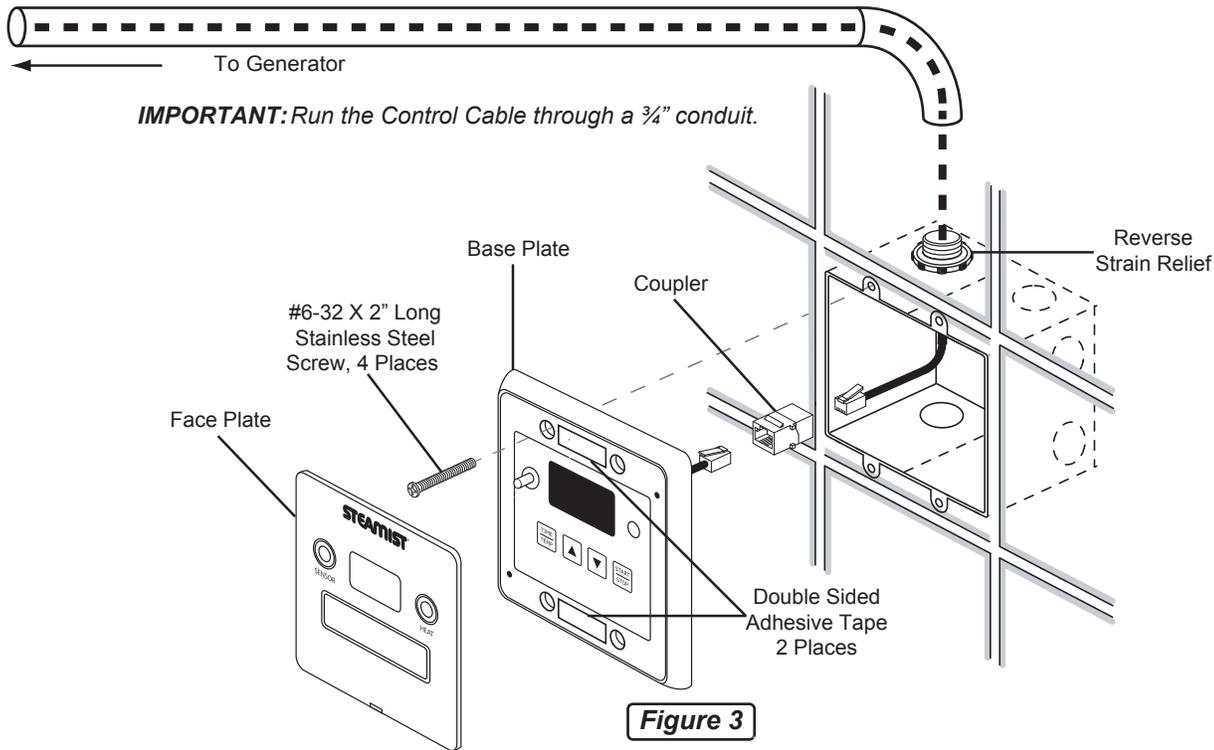
**IMPORTANT:** DSC-425 Control MUST be mounted inside the steamroom. Silicone sealant (supplied) MUST be used to form a water tight seal to the wall.



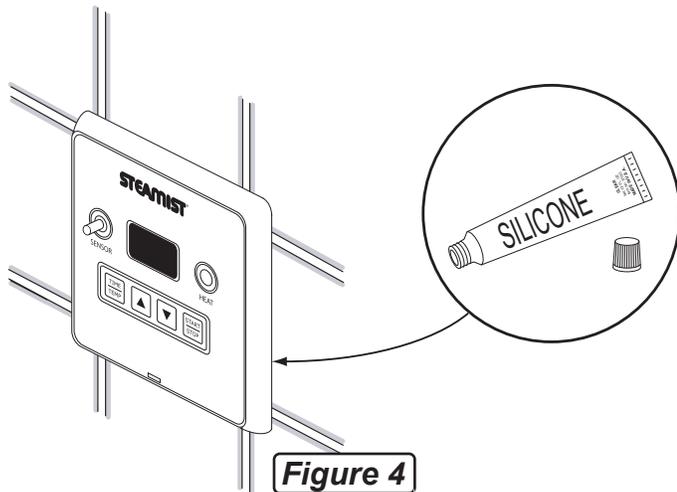
**IMPORTANT:** Test Control for operation before installing face plate.

6. To install Face Plate, peel back the (2) paper liners on Base Plate to expose adhesive surfaces. Attach Face Plate to the control.

7. Clean the face and Base Plate Assembly with a damp cloth after installation to remove all dust, dirt, grime, etc.



**IMPORTANT:** Apply Silicone around the edge of the control to form a water tight seal to the wall (see Figure 4).



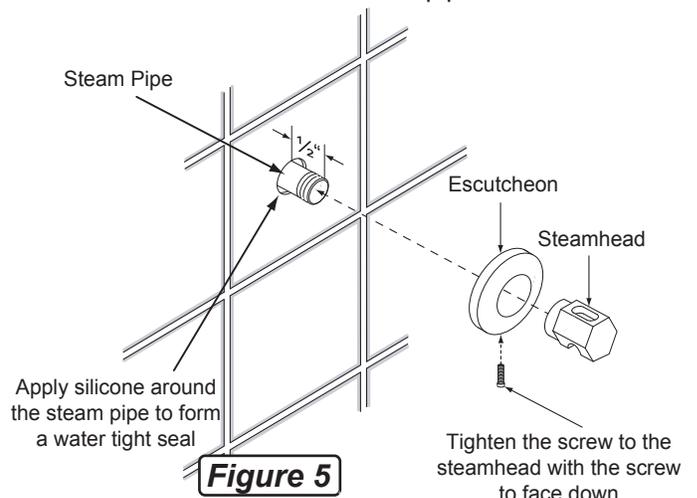
**IMPORTANT** An optional steam diffuser is strongly recommended for small steam rooms (Not Included). This option helps to better diffuse the steam and makes the steam bath more comfortable. This option may not be necessary in larger steam rooms where the bather is sitting a few feet away from the steamhead.

**WARNING:** When installing a steam pipe into a steam room made out of Acrylic, Cultured Marble, Corian, Swanstone, Resin, Plastic or an equivalent type of material, consult the manufacturer of the material for their recommendation on location of the steam pipe. Verify that the type of material used for the construction of the steam room is rated for a steam room environment. When installing a steam pipe, in the mentioned material type rooms, it is very critical in making sure that when the steam pipe protrudes into the steam room that it is centered in its  $\frac{1}{4}$ " hole and does not touch the edge of the wall material around the steam pipe.

**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

**Installation Instruction for Steamhead & Escutcheon**  
(See Figure 5)

1. Be sure the steam pipe is installed with the proper length pipe protruding through the wall.
2. Apply silicone sealant around the pipe to seal the pipe to the wall.
3. Slip the Escutcheon over the steamhead loosely.
4. Screw on the steamhead making sure the steam opening is facing down.
5. Hold the Escutcheon against the wall and tighten the retaining screw facing down.



# Operating Instructions

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

## Operation

Simply press the Start/Stop keypad 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. During operation the display will flash between the remaining time for 15 seconds and the ambient temperature for 45 seconds. A colon (:60) is displayed to indicate time and no colon indicates temperature. The heat light will cycle on and off as the temperature is maintained.

## Programming

There are several ways to program this control. Adjustments can be made while the system is active and while it

is off. At any time the time or temperature is displayed, it can be adjusted by simply pressing the up or down keypad. To display the time or temperature, press the Time/Temp keypad once or twice until it shows the setting to be changed. All changes made to the temperature control are stored in permanent memory until changed again. The temperature range is 50° to 130°F (10° to 55°C).

The timer however has both temporary and permanent memory. Any adjustments made to the timer while the system is active will be stored in temporary memory for that cycle only. Any adjustments made to the timer while the system is off are stored in permanent memory. The temporary memory allows you to make adjustments to the time in accordance to your needs for that day without affecting the permanently stored time. The timer range is from :01 to :60 minutes.

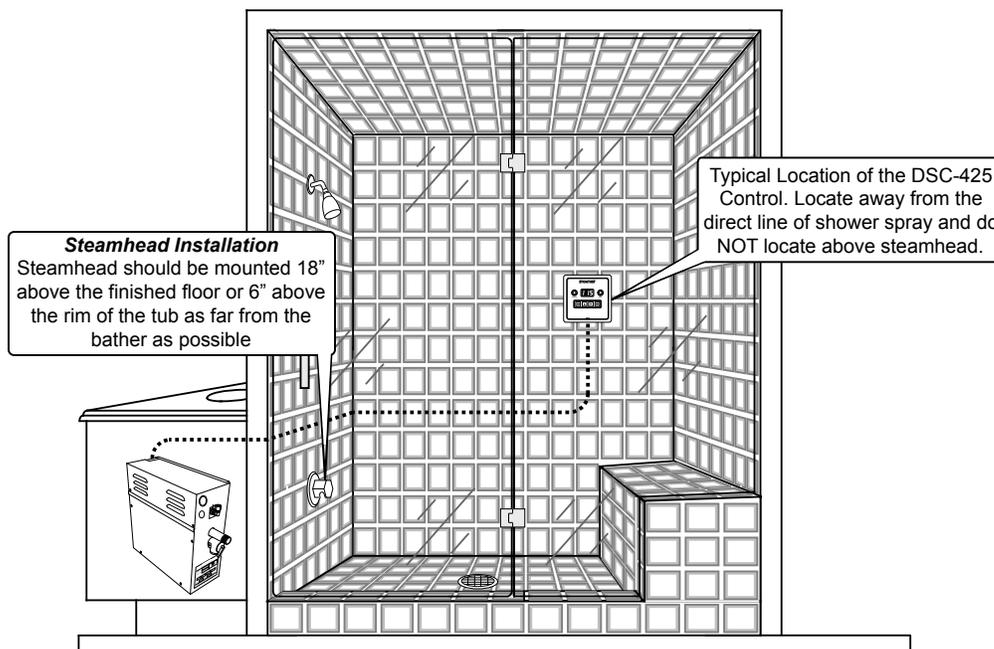
**Cleaning Instructions:** Use a damp cloth and mild soap. Do NOT use abrasive cleaners which might scratch the surface or the base of the control.

## Additional Features

**Memory** The memory for both the time and temperature 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 up and down keypad for 5 seconds while the system is off. The display will show the current setting "F" or "C" and then alternate when the change is complete.

**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 must be replaced or repaired. 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.



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