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Steambath Control   Model: TSC-450

⚠ **Important:** *Locate Publication No. 199 "Steam Bath Important Safety Instructions". This publication includes a Warning label that the contractor must install on 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 Steamist (201-933-0700) for a replacement Publication No. 199. This publication along with all documents must be left with the owner.*

Control Features

1. *Timer control*

2. *Temperature control*

3. *Multiple user settings*

4. *AudioSense™ control*

5. *ChromaSense™ control*

6. *AromaSense™ control*

7. *ShowerSense™ control*

8. *Other Miscellaneous settings*

NOTE: *For more details see separate operating instructions.*

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

Total Sense Touch Control

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 Instructions

1. **Pre-Installation - Control Location**

The TSC-450 Control must be installed inside the steam room. For convenience the recommended height from the floor is four feet. If a TSSH is also installed we recommend a height of 4½" feet when used for both steam and shower. Provide a 1½" hole in the wall at this location (see Figure 1).

IMPORTANT: *Multi-conductor cable must be installed so that the end will not be buried inside the wall. The unit will not operate unless the control is installed.*

2. **Electrical Rough-in**

Remove the multi-conductor cable from the control packing box. Carefully route the multi-conductor control cable from the steam generator to the TSC-450 located inside the steamroom (see Figure 1). Route multi-conductor cable through a ¾" conduit to protect the cable from damage and to facilitate replacement if necessary.

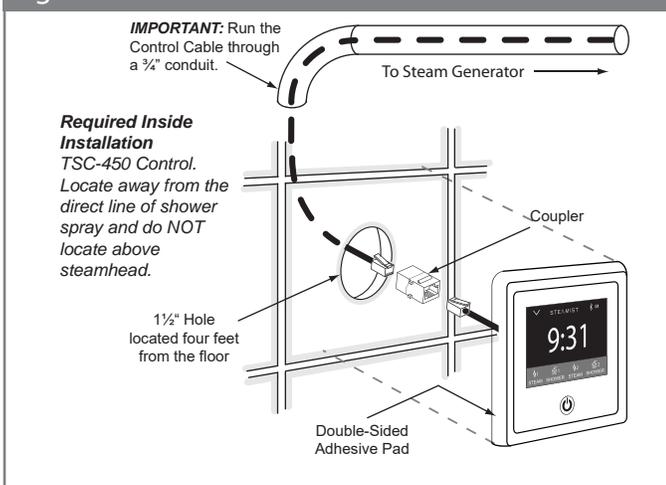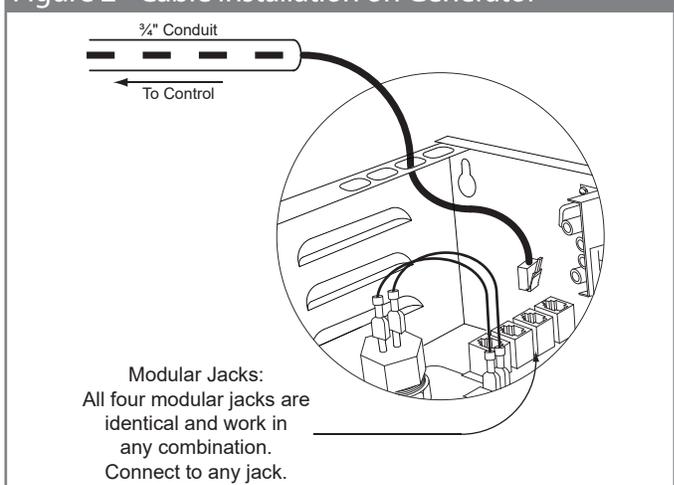### Figure 1

IMPORTANT: Run the Control Cable through a ¾" conduit.

To Steam Generator →

Required Inside Installation TSC-450 Control. Locate away from the direct line of shower spray and do NOT locate above steamhead.

Coupler

1½" Hole located four feet from the floor

Double-Sided Adhesive Pad

Figure 2 - Cable Installation on Generator

¾" Conduit

To Control

Modular Jacks: All four modular jacks are identical and work in any combination. Connect to any jack.

IMPORTANT: *The TSC-450 Control will only function with the current TSG steam generators.*

Installation Instructions   Model: TSC-450

3. *Control and Cable Installation*

   a) *Locate the previously installed cable and black plastic strain relief clamp which is in the control packing box. Locate the knockout on the steam generator for the control cable (see Figure 2).*

   b) *Place strain relief around cable about seven inches from the end and insert into the hole. Remove the protective covering labeled "Remove Before Installation" from the modular jack found on the PC board.*

   c) *Remove the protective cap from the multi-conductor cable plug. Connect the cable to the modular jack.*

   d) *Close and secure generator cover.*

   e) *Locate Telco Jack at female coupler, on back of the TSC-450 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 3).*

   WARNING: Test the control for operation before continuing on to the next step.

   f) *Peel adhesive liner from back of the control. Apply silicone (supplied) into channel around the back of the control to form a watertight seal (see Figure 3).*

   g) *Apply the control to the wall. Press firmly and hold for a few seconds. Wipe the excess silicone from around the control.*

The TSC-450 Touch Control has a built in temperature sensor and therefore must be installed inside the steam room.

Temperature settings: 60ºF min to 125ºF max
Max Time setting: 60 Minutes

Figure 3

Adhesive Liner · SILICONE · Coupler · Silicone Channel · Control Cable to Generator
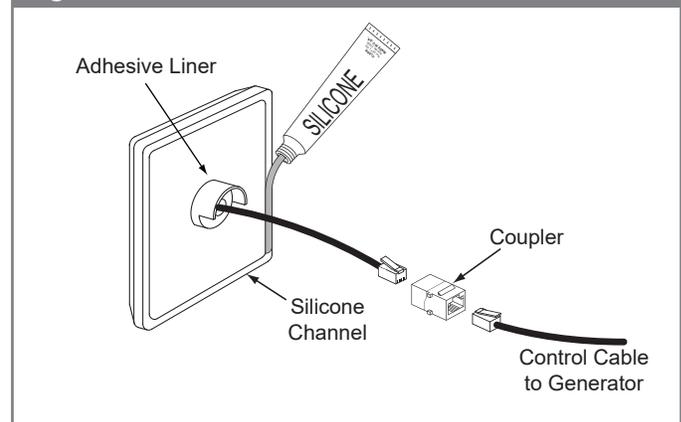
Figure 4

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IMPORTANT: The adhesive on the back of the TSC-450 control will NOT seal this control. It is the responsibility of the installer to seal this control to the wall with the supplied silicone. Water damage to the control is not covered by the warranty.

Figure 5 - Installation Suggestions

TSC-450 inside control required. Locate away from the direct line of shower spray and do NOT locate above steamhead.

TSX-220 Auxilary Outside Control

Steamhead Installation
Steamhead should be mounted 12" to 18" above the finished floor or 6" above the rim of the tub as far from the bather as possible

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