

INSTALLATION INSTRUCTIONS FOR THE TIME AND TEMPERATURE CONTROL with REMOTE CONTROL

Models JR-1, JR-2, JR-3 and JR-4

Before commencing with these instructions, ensure that the RELAX-A-MIST™ steam generator has been installed according to the steam generator installation instructions.

1. General Information

The RELAX-A-MIST™ time and temperature control is a simple programmable control. The user friendly design has programmable time and temperature settings. Once a program is set and running, you may temporarily override the settings by pressing the time or temperature buttons and pushing the applicable increment arrow. Upon completion of the timed setting, or halting your steam bath with the "on/off" button, your temporary override setting will return to the programmed default settings. Your steam bath is ready for your next use. Power supply interruptions will not change or delete your default time and temperature settings.

The digital time and temperature control switch comes as a package complete with the following:

1. One programmable time and temperature control.
2. One remote control.
3. One 25 foot cord set (steam generator connection wire to control) with a modular male plug-in at the steam unit and a modular female plug-in at the control in the steam shower or steam room.

The programmable time and temperature control switch must be located inside the steam room, approximately 4 feet off the finished floor and NOT in an area above the steam nozzles. The thermostat sensor is built into the bottom of the control. The remote control can only operate the main control from a direct line of site.

NOTE: Inside of the steam room, the six inch wire on the back of the Time & Temperature control (with the male plug), connects into the 25 foot wire (with the female plug). At the steam generator, the male plug from the 25 foot wire connects to the female plug located on the side of the steam generator's electrical box marked "Timer Switch and 24 VAC". The cord set modular female connection must be identified at the steam generator (do not plug the switch cord into the automatic drain connection). The control's 25 foot cord set wire must be installed during the rough in, with the male end at the steam generator and the female end at the area in the steam bath where the control will be installed on the wall.

2. Rough-In

Electrical (according to local electrical code)

Check to ensure that the Relax -A - Mist™ has been installed according to the steam generator installation instructions.

Install only the RELAX-A-MIST™ 25 foot cord set wire (compatible with the Quick Touch Timer or the Time and Temperature Control) ensuring that the modular male plug is located in the area where the steam generator is to be installed. The modular female connector of the 25 foot wire should protrude a out of the wall about 6 inches into the shower or steam room where the control will be installed. You will need to make the hole in the cement board and the finished tile approx. 7/8" diameter to allow the modular wire connectors from the control and the 25 foot cord set to pass back inside the wall for the final installation. DO NOT ADHERE CONTROL TO WALL UNTIL YOU HAVE COMPLETED THE STEAM GENERATOR START UP AND CONTROL PRETEST.

CAUTION: DO NOT STRETCH WIRE TIGHT. DO NOT STAPLE THE WIRE TO STUDS. CHECK ORIENTATION OF MODULAR CONNECTORS ON CONTROL CORD SET.

NOTE: The electrical "supply" for the steam generator CANNOT be switched directly by the time and temperature control.

The power supply cable must be run directly to the steam generator from the fuse or circuit breaker panel. A separate RELAX-A-MIST™ switch cable must be run from the steam generator to the control. The timer control, through the cord set, activates a contactor in the steam generator.

3. Final Installation

Electrical (according to the local electrical code)

Check to ensure that the RELAX-A-MIST™ steam generator has been installed according to the steam generator installation instructions.

CAUTION: Identify modular connector lock position before inserting into female connections on switch.

- a. At the steam generator electric box, side panel, remove the protective label from the modular female plug marked "**Remove to Insert Modular Connector**". Note: There may be a second plug for Optional Automatic Drain.
- b. Insert the male plug of the 25 foot timer cord set, with the retaining tab to bottom, into the steam generator electrical box female plug. The female socket is marked "TIMER SWITCH" and "24 VAC". (The other female plug is for the optional automatic drain feature. This female plug may be sealed with a blank plastic cover if the auto drain option was not factory ordered.)
- c. Insert the other end of the 25 foot steam generator connection cord set onto the male plug of the programmable time and temperature control.

DO NOT CUT FACTORY WIRING TO INSTALL THE TIME AND TEMPERATURE CONTROL. DO NOT FORCE MODULAR CONNECTIONS. DO NOT ADHERE TIME AND TEMPERATURE CONTROL TO THE WALL UNTIL THE CONTROL PRETEST IS SUCCESSFULLY COMPLETED.

- d. Once the control pre-test is completed, tuck the excess cord behind the switch into the wall or electrical box if provided. Peel and stick the control to the wall. If a gap appears between the wall and the switch, the perimeter of the switch may be sealed with silicone, or if single gang electrical box is provided, adjust the electrical box so as not to protrude through the finished surface of the wall.

Steam Generator Start-Up

To start, make sure that the electrical and water supplies are turned off and that the programmable switch is not illuminated.

Turn on the water supply to the steam generator. No water will enter as the electricity is still off at this point.

Turn on the electrical supply to the steam generator at the electrical panel or power supply switch to start the pretest. When the correct voltage is supplied to the steam generator the control will illuminate the digits to display 3 bars. Press the "on/off" button. This will illuminate the display in the control to show numbers (changes from bars) and will energize the steam generator contactor coil which will be noticeable by an audible "click". When the steam unit's contactors close, the water level device and water valve will be energized. The water entering the boiler will be audible in the form of several short "spurts". The water will stop entering the boiler when the optimum water level has been achieved. The contactor and water valve are indicated by a red LED light and a green LED light illuminating on the circuit board in the steam generator electrical box. Once the steam unit water level is satisfied, the green LED light will turn off and the red LED light will remain illuminated, indicating the steam unit is in the heating mode. Turn off the control as the pretest is now complete.

Peel and stick the control to the wall in the shower or steam room. Press the "on/off" button and start the steam unit. Approximately 2 minutes after starting the control the steam generator will produce steam and it will be entering the shower or steam room. The first time the generator is turned on (during the start up), there may be an initial burst of hot water from the steam nozzle until the steam line has come up to temperature. The water from this start up test should be captured as it may contain impurities from the soldering process during the rough-in connection of the steam lines. When the steam room has heated to the control's programmed set point, sit back and enjoy, RELAX-A-MIST™.

How the Switch Works:

The "on/off" button starts and stops the control programs. After a program has been set and saved, simply press the "on/off" button and temperature and time will be displayed on the readout (only one program can be set and run at a time).

When the "on/off" button is pushed the control readout will first display the temperature of the steam room, followed by the temperature set point flashing and then the programmed steam bath time in minutes. If the room temperature is lower than the controls set point temperature, the steam generator heating cycle will start. The heating cycle will raise the temperature in the steam room to the preset programmed temperature during the countdown of the programmed time. When the room temperature matches the preset temperature (average steam room 115°F/49°C, or at your temperature setting) the control will start and stop the heat and steam entering the room within approximately one degree of the temperature set point. Once the control has begun the time count down cycle, you may switch the display from time to temperature and adjust the settings by pressing either the "time" or "temperature" button and the up and down arrows.

While enjoying a steam bath you may override the programmed settings by selecting the time or temperature button. Push the time button to display the time and arrow up or down for this steam room visit (use) only. Push the temp button and arrow up or down to change the temperature display reading from "C" to "F". A second push of the "temp" button while in the temp mode, will change the control to display to the set point reading for 15 seconds and can be arrowed up or down to adjust the temperature for this steam room visit (use) only. Pressing

the up or down buttons until the desired increment is reached will not affect your programmed settings (program settings can only be changed when they are flashing).

When the countdown time is complete, the display will change to the 3 red bars and the steam generator will shut off. You may halt your steam bath program at any time by pushing the "on/off" button.

Quick Tips For User's Touch the "on" button...displays...steam room temp / temp shut off setting / time in minutes and arrows - time up/down.

Touch the "temp" button...display...changes readout to show room temperature and arrow buttons change from C to F.

2nd touch... "temp" button...display...changes readout to temp shut off setting and arrows buttons change - temp up/down.

Touching the time button and then the temp button changes the control back to sensing steam room temp.

This is overriding the control preset temp setting for this use only and will not change the controls programmed temperature. For programming instructions see "Setting Your Program".

Setting Your Program:

NOTE: ONCE THE CONTROL IS TURNED ON AND DISPLAYS THE TIME, IT MAY BE PROGRAMMED BY PRESSING AND HOLDING THE "time" OR "temp" BUTTON FOR MINIMUM - 5 - SECONDS. ONLY ONE BUTTON AT A TIME. - SETTINGS CAN ONLY BE CHANGED WHEN DIGITS ARE FLASHING.

5. TIME: Press and hold the "time" button for 5 seconds until the digits begin to flash. Press the arrow buttons up or down to increase or decrease the amount of time to program as the default for your steam visits. Touch the time button to lock in your setting or wait for the digits to stop flashing and automatically lock in. You have approximately 15 seconds to complete your choice. When the control is restarted your programmed time setting will appear as the default.
6. TEMP: Press and hold the "temp" button for 5 seconds until the display digits flash "SET" and the temperature set point is flashing. Press the arrow buttons up or down to increase or decrease the temperature setting to program in as the default for your steam visits. Touch the temp button to lock in your settings or wait for the digits to stop flashing and automatically lock in. You have approximately 15 seconds to complete your choice. You have completed programming the control's start-up default settings for time and temperature - congratulations!

SAFETY PARAMETERS IN YOUR PROGRAM:

There are built in safety parameters in your program that you cannot change. These safety controls were built-in during the manufacture and limit the time and temperature of your steam room. They control the steam room heat time, the maximum temperature the room will reach and the length of time one steam visit should last. These parameters are automatically reset after each use. Maximum temperature 120°F or 49°C. Maximum length of steam visit for one cycle - 60 minutes.