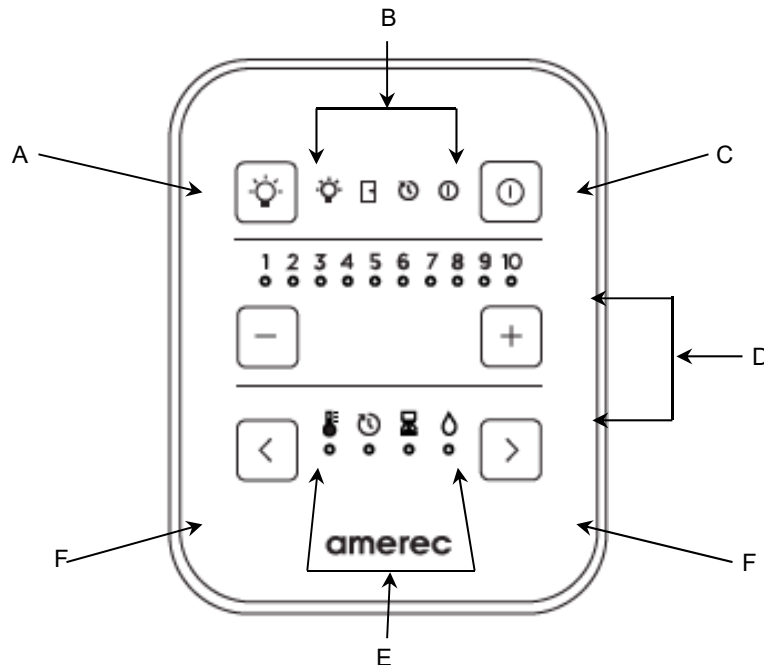# amerec   A3 OPERATING INSTRUCTIONS

Amerec's A3 control for the AX steamer is a touch controlled unit intended to be mounted on a wall, generally in or near the steam bath. It may be mounted directly on the wall surface either inside or outside the steam room. The A3 control may be used with another A3 or with an A6 control, such as when using one control inside the steam room and another outside it. You may use a total of 1 to 3 controls with an AX steamer

Using the A3, you set or adjust the steam bath duration and temperature and control a room light. Delayed start settings allow you to have a steam bath ready to use in a few hours or on a regular schedule.

To reduce the risk of damage to the steamer or controls and to ensure the controls connect properly with the steamer, always turn power off to the steamer before connecting or disconnecting a control.

Navigating the A3
Indicators are used while navigating and setting the control.

A. **Light**: switches the lights on and off
B. **Indicators** for lights, door contact switch, delayed start, and to show whether the bath is on
C. **Start Key**: switches the bath on and off
D. **Set/Change** the Time or Temperature Value; LED indicates value on a 1 (low) to 10 (high) scale
E. **Function Indicators**: for temperature, delayed start, bath duration and humidity (*not used with steam*)
F. **Function Selection**

Start Up
When the steamer power is turned on, some of the A3's indicator lights (B) will start blinking while the control's program is starting, then they will stop. A red led at the right end of the indicator light group and one of the #1-10 LEDs may turn on once the blinking stops. This will clear after a short wait or once bath Start (C) is pressed.

It should take about 30 seconds to a minute for the A3 to be ready to use. *If an A6 is also connected, the A3 will not be ready to use until after the A6 has finished starting.*

Initial Set-up

If you are using an A6 with your A3, you may use all the A3 functions with the A6 but the A6 set-up should be done first. If you are using only an A3, there are no set-ups required. The A3 starts with the bath temperature set at 125°F (55°C) and the bath duration set at 60 minutes.

If using only A3s to control your bath, You will be allowed to set a the bath temperature from 86°F to 125°F (30°C to 52°C and bath time from 6 to 60 minutes.

Using the A3

The Light key may be used to turn a light on or off while the bath is off. The light will turn on automatically when a bath is started; this key can then be used to turn the light off again. Note: the light will remain on for 10 minutes after the bath stops unless switched off by the user.

The Start key is pressed to start or stop the steam bath.

The Change keys move your selection higher or lower on the 1-10 LED scale while making adjustments.

The Function Select keys move your selection left or right through the function selections. Highlight the function you want to adjust, then uses the Change keys to move through the LED range to select your new value. *The humidity function is not available for steam baths.*

Setting the bath temperature (*may be done with the bath off or on*)

Touch a key on the A3 to light the keyboard, if necessary. The 🌡 Temperature function LED should be lit and the current temperature setting should be indicated on the 1-10 LED scale. To change this setting, use the Change keys to select the LED corresponding to the bath temperature you prefer. Turn the bath on then off to save the new setting. See the approximate settings below:

LED #	1	2	3	4	5	6	7	8	9	10
°F	86	91	95	98	104	107	111	116	120	125
°C	30	33	35	37	40	42	44	47	49	52

Setting the bath duration (*must be done with the bath off*)

Touch a key on the A3 to light the keyboard, if necessary. Use the Function Select keys to select the ⏳ Duration function (its LED is lit). The current bath Duration setting should be indicated on the 1-10 LED scale. To change this setting, use the Change keys to select the LED corresponding to the bath duration you prefer. This is the time limit where the bath will automatically shut off. Turn the bath on then off to save the new setting. See the approximate settings below:

LED #	1	2	3	4	5	6	7	8	9	10
minutes	6	12	18	24	30	36	42	48	54	60

### Setting delayed start (*must be done with the bath off*)

You can set the steam bath to start at a later time, such as setting it before bed at night so it is on and ready when you get up in the morning.

Touch a key on the A3 to light the keyboard, if necessary. Use the Function Select keys to select the 🕐 Delayed Start function (its LED is lit. Use the Change keys to select the LED corresponding to the start delay you prefer. The delay can be up to 10 hours in one hour increments (the LEDs represent from 1 to 10 hours). At that time, the bath will start automatically and run for the duration time already set. Press the bath Start key to save your setting.

When the delay is set, the Delay Indicator LED at the top of the screen will light green and the delay time LED will flash slowly

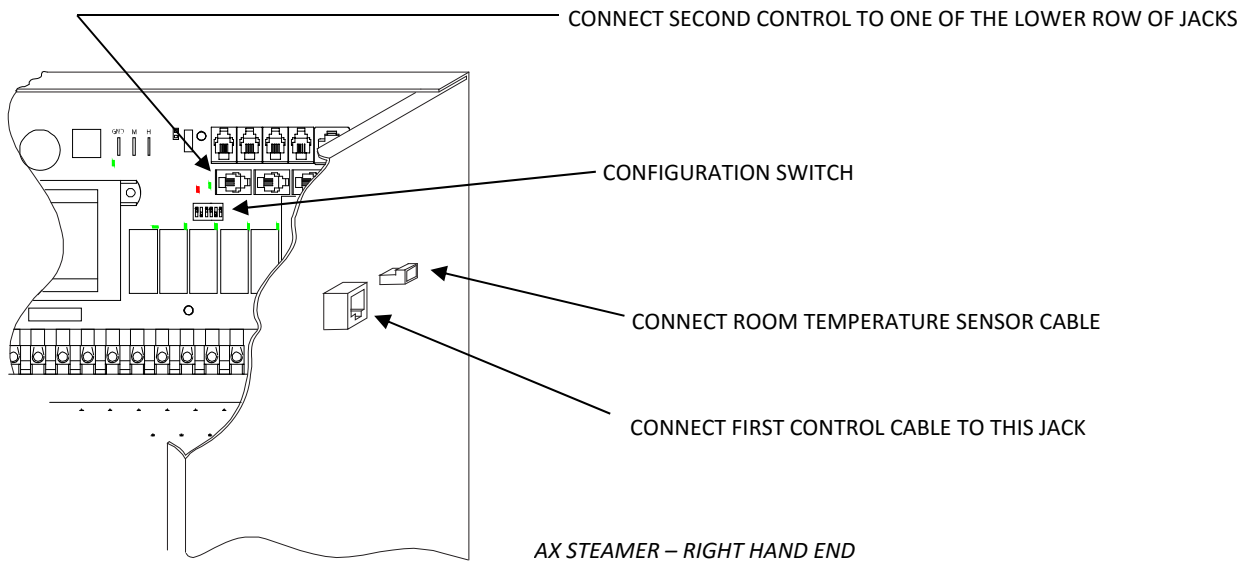Note: *if a bath is started after the Delay Start is set, the delay setting will be deleted.*

Having a steam bath

To start a steam bath, simply press the ⬚ Start key. The ⊙ bath on LED should light a steady green, the room light should turn on (the ☼ Light LED should light a steady blue), a number 1-10 LED should light a steady blue and the 🌡 Temperature setting LED should light a steady blue. A blinking 1-10 LED indicates the actual bath temperature and a steady LED indicates the set temperature. Once the room reaches the set temperature, only the set point LED will be lit.
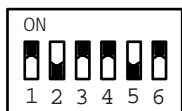
While the bath is on, you may select the Duration function and a blinking 1-10 LED will indicate the time remaining before the bath automatically shuts down.

Installing the control

Turn off power to the steamer. The A3 connects to the AX steamer with a 50 ft (15,2 m) cable. The cable can be connected to the control jack on the outside of the steamer on the smooth end (no pipes). If that jack is already used by another A3 or an A6 control, the cable may be plugged directly into the steamer circuit board.

CONNECT SECOND CONTROL TO ONE OF THE LOWER ROW OF JACKS

CONFIGURATION SWITCH

CONNECT ROOM TEMPERATURE SENSOR CABLE

CONNECT FIRST CONTROL CABLE TO THIS JACK

AX STEAMER – RIGHT HAND END

Before turning on power to the generator, make sure the configuration switch is set correctly:**.**

a) **If the generator has an electronic AutoDrain installed:** If the generator will use an electronic AutoDrain, verify the switch in the middle of the right hand circuit board is set as shown at left (#2 and #5 down, all other up.
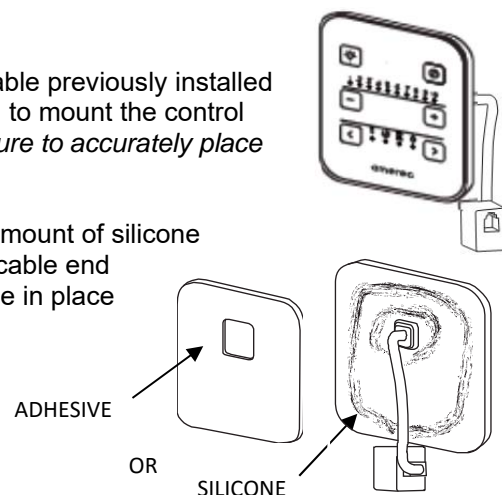

b) **If the generator has only a manual drain installed:** If the generator will not use an electronic AutoDrain, verify the switch in the middle of the right hand circuit board is set as shown at left (#2, #4 and #6 down, all other up.

Mounting the Control

Install the A3 control inside or outside the steam room using the control cable previously installed
If mounting to a smooth, flat wall, the adhesive pad provided will work well to mount the control
and seal the cable hole. *The adhesive will stick to the wall quickly so be sure to accurately place
and level the control before attaching it to the wall!*

If the surface is uneven or has grout lines, we recommend using a small amount of silicone
to mount the A3 control. If using silicone, run a bead around the control's cable end
and another bead around the back of the control as shown here. Then tape in place
on the wall until the silicone has set up.

Connect the cable to the control's cable end, slide the cable into the
wall, and mount the control.

ADHESIVE

OR

SILICONE

Be sure to carefully level the control while mounting!

Troubleshooting

The A3 has error displays to assist with troubleshooting. If an error should occur in the steamer or other
equipment (A3 control, temperature sensor, etc.) an error message will be shown using LED indicators. The
indicator LEDs will flash while one LED on the 1-10 scale is continuously lit or flashing. The lit 1-10 LED indicates
the error: steady = #1 -10, flashing indicates #11-20. *Some errors are not applicable to steam and are not listed
here.*

Error messages:
  1 Temperature sensor not connected or faulty. *Check the sensor and sensor cable for loose/bad connections or
    damage.*
  3 Steamer circuit board overheated
  6 Contact between heater and control lost. *Check the control cable for loose/bad connections or damage.*
 12 Level sensing faulty. *Check level probe wiring; clean level probe.*
 14 Temperature sensor faulty. *Check the sensor and sensor cable for loose/bad connections or damage.*
 15 Communication problem with steamer. *Check the control cable for loose/bad connections or damage.*

For some errors, turning off power to the steamer for a brief period and then turning it back on again may correct
the error. This mostly concerns problems that have occurred with communication between the steamer and
control.

In the event of error number 3, the steam bath will be automatically switched off. When the circuit board
temperature has dropped approx. 68°F (20°C), the steam bath can be restarted. Always investigate why the
steamer overheated. It can be the result of insufficient ventilation or too high a temperature around the steam
generator.

Some errors will cause the ⊡ Door indicator or ⓘ Start indicator to light or blink red. *Make sure water is getting
in to the steamer and that the drain is working well.*

Contact technical support for other error codes or if an error cannot be corrected according to the above.

For further assistance, contact

amerec