



# Moisture Room Control Panel

The wall mounted control panel automatically blends hot and cold water to the temperature desired for the curing environment ( $73.4\pm 3^{\circ}\text{F}$ ,  $23\pm 1.7^{\circ}\text{C}$ ) while maintaining 100% humidity. The system is designed to not need foggers, misting devices, compressed air or HVAC units.



## Instructions for Installation & Operation

Unit **MUST** be installed outside the moisture room, and indoors, protected from water.

1. Using large screws, fasten the control panel according to the above requirements, approximately 4 feet from the ground, and within 5 feet of a 120v 15amp surge protected GFI outlet.

2. Run the hot and cold water lines to the 1/2" pipe fittings (located on the bottom of the unit). The left line is hot and the right line is cold.

NOTE: Must be used with COPPER or CPVC piping **ONLY!**

### Connecting a Joint

1. Mark 7/8" down the tube and push the tube firmly until it reaches the mark. (To disconnect, push on the plastic release collar using a 5/8" wrench and pull).

2. Make a hole big enough to run the 1/2" waterline through. Run the line into spray head system from inside your moisture control room. The temperature sensor should be mounted **INSIDE** the moisture room with a minimum of 4" exposed probe. Secure the sensor halfway from floor to ceiling. Fill the hole with silicone sealer.

NOTE: The length of the sensor wire should **NOT** be extended.

3. Turn on the hot and cold water after all plumbing has been completed to check for leaks (the water valves should be kept wide open at all times).
4. The unit may now be plugged into the GFI outlet. To turn the unit on, use the switch from the gray 6x6 box. You will know the unit is powered up when you see the controller light up. The desired temperature can be set using the arrow buttons and the SV (set value) buttons (desired temp. = 73 degrees F). It is normal to see the word "OUT". Allow 24 hours after each temperature change for the room to stabilize (adjustments may need to be made to maintain the temperature inside the room).

#### **NOTES:**

For normal operating, the by-pass valve is typically closed. In the case of a power failure or the electrical solenoid valve fails, the by-pass valve may be opened for a manual operation to get water to the spray heads. To use the Actuator in manual mode, in the case of a power failure, turn the power off and insert a 3/16" Allen key into the top of the Actuator. Press and hold the black release button while simultaneously turning the Allen key. A valve turned up in the counter clock wise direction is hotter, and a valve turned down in the clock wise direction is cooler. Located in the upper right panel of the unit is the Temperature Controller. This indicates an approximate temperature and can be adjusted up or down using a thermometer or temperature recorder from inside the room for more precise measurements.

In the case of a power surge or failure, the panel may need to be reset. To do this, press the up arrow until the temp reads 130 degree and wait until the Actuator reaches the top and stops. Turn the unit off and wait 30 seconds, then turn the unit back on. After the unit is reset, you can adjust to your desired temperature by pressing the down arrow.

Only the temperature Sensor should be mounted inside the moisture room. Any water damage to electrical components or the panel mounted outside the moisture room will void warranties.