

# **MOISTURE ROOM CONTROL PANEL INSTALLATION**

## **AND OPERATION INSTRUCTIONS**

This unit is designed and pre-assembled for easy installation. **The control panel must be installed on the outside of the moisture room and indoors protected from water.**

1. Fasten the control panel to the outside wall of your moisture room near the door approximately four feet up from the floor and within **5 feet of a 120v 15 amp GFI outlet.** Make it easy to reach and read the controls. Secure with large screws.
2. Run the hot and cold water supply lines to the ½” pipe unions at the bottom of the unit. **The left one is the “hot” and the right one is the “cold.”**
3. Make appropriate hole through wall, and run the ½” copper pipe out the top (mixed controlled water supply) up and into your spray head system inside the moisture room. Spray heads should be rated approximately 1.5 gallon per hour each. Call us if you need some help in this area.
4. Mount the Temperature Sensor **inside** the moisture room. Secure the sensor approximately half way between the ceiling and the floor. The hole can be filled with silicone sealer.
5. After plumbing has been completed, turn on the **hot and cold** water and check for leaks.
6. Now you can plug in the control panel into a GFI outlet. The switch on the 6x6 gray box will turn the unit on. Controller will light up to let you know power is present. **Use the arrow buttons to set Controller to the desired temperature (73 deg. F).** The word **“OUT”** will appear. This is normal. (SV = set value) **Make adjustments to maintain temperature inside the room. Example, the set temperature may be (69 deg. F) to hold (73 deg. F) inside the room. After each change, allow 24 hours for the room to stabilize.**

### **PLEASE NOTE:**

By-pass ball valve (extreme left on panel) is **normally closed**. If a power failure occurs, or the electrical solenoid valve fails, the by-pass valve can be opened for manual operation to flow water to the spray heads. Also during a power failure, the Actuator can be used in a **manual mode**. Turn power off, and then insert a 3/16” Allen key into the top of the Actuator. Turn the Allen key to the desired position, valve position toward up is hotter, (counter clockwise) and valve position going down is toward a cooler setting (clockwise). The temperature Controller, located at the far upper right of the panel is an **approximate** indication of the temperature. Adjust Controller up or down using a thermometer or temperature recorder from inside the room, for precise measurements.

Remember, this panel is mounted on the outside of a moisture room, and indoors protected from water. Water splashed on electrical components will void any warranty. The Temperature Sensor is the only component designed to be inside the moisture room.

**DO NOT DISCARD INSTRUCTIONS!**