



American Cube Mold

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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 15amp surge protected 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 fittings at the bottom of the unit.

The left one is the “hot” and the **right one is the “cold”**

Installation Instructions SharkBite® Connection System

Is to be used with COPPER or CPVC tubing ONLY!!

Connecting a Joint

1. Mark 7/8” down the tube.
2. Push the tube firmly until it reaches the mark on tube.

Disconnecting a Joint

Push on the plastic release collar with a 5/8” open end wrench and pull.

3. Make appropriate hole through wall, and run the ½” waterline up and into your spray head system inside moisture room. Spray heads should be rated approximately 1.5 gallon per hour each. Call us if you need some help in this area.

Mount the Temperature Sensor **inside** the moisture room, minimum of 4” of probe expose. Secure approximately half way between the ceiling and the floor. Fill the hole with silicone sealer.

DO NOT extend the length of the sensor wire. (call with questions)

- 4.

(over)

5. After plumbing has been completed, turn on the **hot and cold** water and check for leaks. **(Keep water valves wide open at all times)**
6. Now you can plug in the control panel into a GFI outlet. The switch on the

6 x 6 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.**

NOTES:

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 then insert a 3/16” Allen key into the top of the Actuator. **PRESS and HOLD** the black release button down while turning the Allen key to the desired position, valve position toward up is hotter, (counter clock wise) and valve position going down is toward a cooler setting (clock wise). 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.

You may need to reset the panel after a power surge or power failure.

TO RESET -press the up arrow until the set temp reads 130 deg. Wait until the actuator reaches the top and stops. Next turn the unit off. Wait 30 seconds before turning the unit back on. Your system is now reset. Press the down arrow to your desired temperature.

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.

Any modifications or design changes without previous consent or approval of ACM voids ALL warranty.

DO NOT DISCARD INSTRUCTIONS!