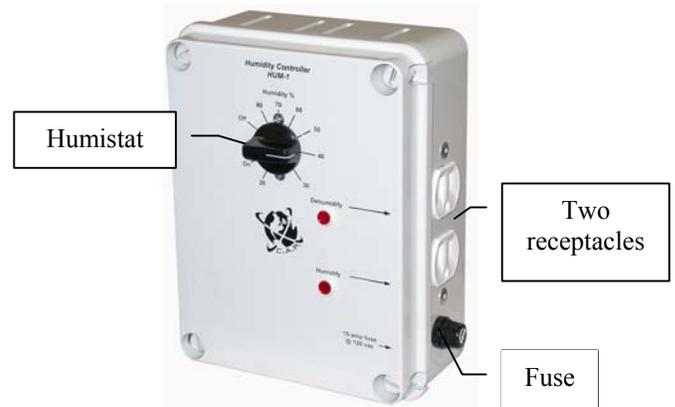




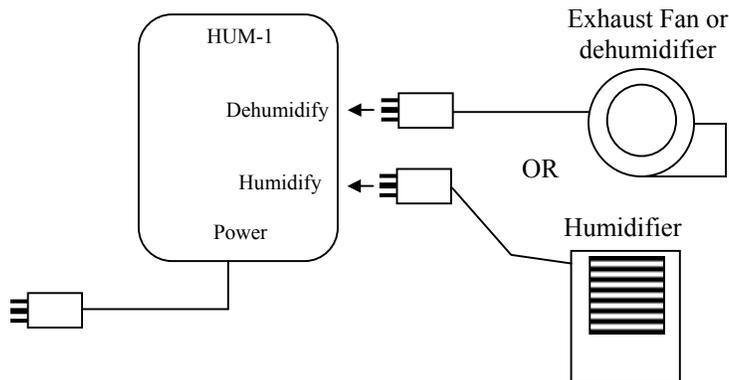
HUM-1 Humidity Controller

CAP offers a full range of equipment for the growing enthusiasts. The HUM-1 is designed to control the humidity level in your growing area. The unit can be used to either increase or decrease the humidity level by activating a humidifier to add humidity or an exhaust fan / dehumidifier to reduce the humidity level. Simple to use and reliable... the HUM-1.

- ✓ The HUM-1 controls humidity by activating any device that operates on 120 volt AC.
- ✓ Two receptacles allow you to use the unit to increase OR decrease humidity levels.
- ✓ The HUM-1's indicator lights verifies the humidity equipment is running.
- ✓ The HUM-1 is backed by CAP's 3-year warranty.



CONNECTION DIAGRAM



CONNECTIONS & OPERATION

There are certain steps which should be taken to ensure a successful installation of your HUM-1.

- 1) Determine the desired location for the HUM-1. It should be at plant height and near a 120vac power supply.
- 2) Mount the HUM-1 to a wall or other vertical surface. The ventilation slots must be oriented on the top and bottom of the unit.
- 3) Depending on whether you will be using the unit for humidification OR de-humidification, the device you will be using must be plugged into the correct receptacle.
- 4) Adjust the humistat to the desired highest level you want to maintain anywhere from 20-80% rH.
 * **Verify the device you will be using to add or remove humidity has the capacity to raise or lower the level adequately. If the device is not large enough, the HUM-1 will command the device to stay on indefinitely.**
- 5) Connect the power cord to a source of 120-vac power. * Maximum load = 15 amps.

* NOTE: The HUM-1 requires "free air movement" to maintain humidity accuracy. The top and bottom of the enclosure has ventilation slots to provide air-flow for the internal humistat. We recommend using an oscillating fan or similar air movement device to provide fresh air for the plants, and the sensor.

TROUBLESHOOTING

If you are having problems with this unit, refer to these troubleshooting hints. Also, refer to the connection diagram to ensure your devices are connected properly.

<u>Problem</u>	<u>Suggested Action</u>
◆ I have no lights and no function at all.	◆ Check fuse or main power. Check the main power plug and replace the fuse if required with the correct rated fuse. ◆ If the fuse blows repeatedly, verify the devices connected to the unit are working properly and that they are not too large for the HUM-1 to safely control.
◆ The device I am using rarely or never turns OFF.	◆ In order for the HUM-1 to turn ON and OFF the device, it must be capable of raising or lowering the level to the set-point you have selected. If your set-point is either too high or too low, the unit will be commanded to remain on. If you cannot achieve the humidity level you would like, you may have to choose a device with a higher capacity.
◆ The device I am using rarely or never turns ON.	◆ Once you select the humidity level you want to maintain, the unit will automatically keep it at that level. If the unit is not turning the unit ON, it is indicating the humidity is within the acceptable range of +/- 7% rH.

PRECAUTIONS

- 1) DO NOT expose the HUM-1 to water. The plastic enclosure is corrosion-proof, it is not water-proof.
- 2) DO connect the HUM-1 to a source of dedicated 15-amp / 120 vac power.

WARRANTY

The HUM-1 is warranted against defects in workmanship for THREE years.

SPECIFICATIONS

Main power voltage	120vac
Maximum amperage	15-Amps @ 120vac
Humidity control range	20 - 80% RH with a 5% differential, +/- 7%
Operating temperature range	32-120° F
Operating humidity range	0-99% RH (non-condensing)
Relay operations (minimum)	100,000 electrical / 1,000,000 mechanical
Weight	Less than 4 lbs
Dimensions	8" X 6" X 3.5"

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