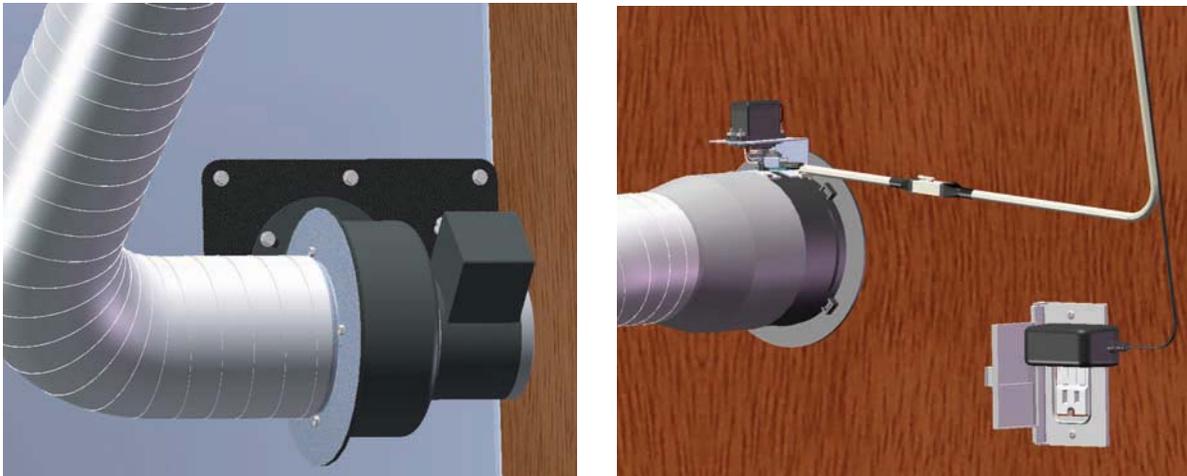


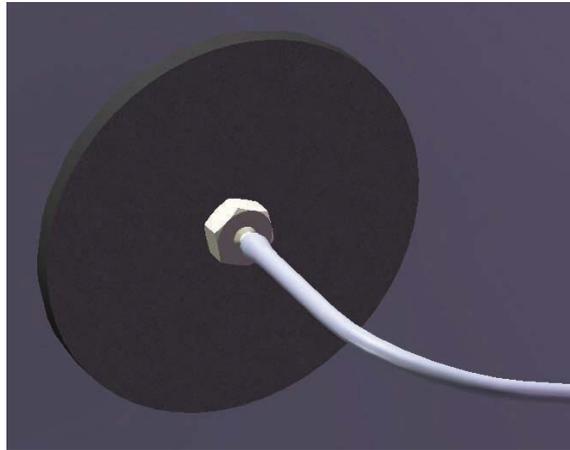
Greenhouse Controller Installation Guide



Attach the 4" starter collar to the inlet of your blower by first removing the Inlet Damper. The Inlet Damper will be attached with a mounting screw. The starter collar may need to be trimmed to center it over Blower Inlet. Remove the protective strip on the adhesive ring and firmly press into place on the Blower Inlet face. When installing the 4 supplied self-tapping screws be sure their location does not interfere with the internal operation of the fan blades. Seal any gaps between the collar and blower with Silicone Caulking to eliminate any leaks.



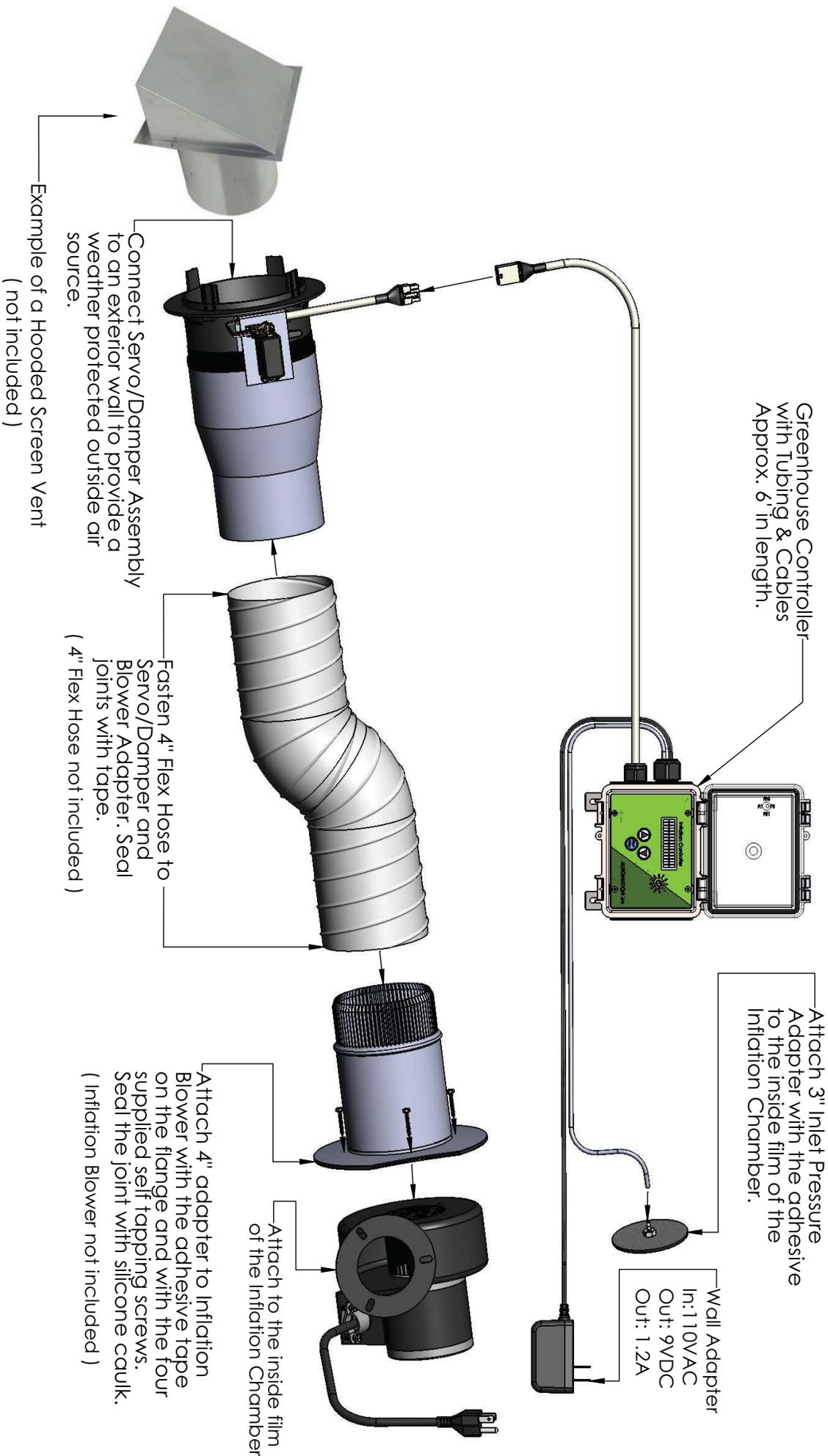
Mount the Servo/Damper to an external wall so that it is pulling air in from the outside. This will minimize condensation inside the Inflation Chamber. The Damper has a ring of double face and 4 zip style straps provided to mount the unit. It can also be attached with screws through the flange. Mount with the servo in an upright position to reduce condensation pooling. Attach the 5" to 4" reducer to the Damper with duct tape or short screws. Make sure the screws do not block the full range of movement of the Damper plate. Attach a 4" flex hose between the Blower assembly and the Servo Controlled Damper. Seal all possible leaks with duct tape and caulking. Even a small leak will interfere with controlling the pressure in the Inflation Chamber.



Locate the Pressure Adapter at least 5 feet from the Blower discharge as air turbulence will cause inaccurate pressure measurements. Clean and dry the surface of the selected location. Cut a small hole approximately 1/2" to allow the threaded part of the hose barb to enter the Inflation Chamber. Peel off the adhesive protective film and press the disc in place while centering hose barb in the hole in the Inflation Chamber. Extra tape maybe applied if necessary.



Mount the Controller with in 4 to 5 feet of the Damper to allow the control wires to be connected. Extension control cable and tubing are available if needed. Use the 4 mounting tabs on the Controller to secure it in a convenient location. The controller is in a sealed enclosure and the clear lid should be latched closed unless adjusting the preprogrammed settings. The Controller has an 110v to 9vdc power adapter preinstalled. Do not plug it in until all the connections are made and any leaks sealed.



Tools and Supplies Needed:

- 1/4" Nut Driver
- 5" Hole Saw
- Silicone Caulk
- Duct Tape

Greenhouse Controller Specification:

Electrical Controller:

Input Voltage: 9VDC

Input Current: 1.2A

Electrical Wall Adapter: (provided)

Input Voltage: 100 - 240VAC

Input Frequency: 50 - 60Hz

Input Current: 0.31A Max

Output Voltage: 9VDC

Output Current: 1.2A

Controller Enclosure Dim.:

6.1875" Width 7.375" (with cable and bracket installed)

4.4375" Height 5.187" (with brackets installed)

3.0" Depth

Provided Parts:

Digital Controller with Pre-Installed:

6' servo control cable

6' ID Clear Tubing 3/32"

100-240VAC Power Adapter with 6' cable

4 - Adjustable mounting tabs

5" Dia. Servo/Damper Assembly

(Weather protected outside air source needed)

5" to 4" Reducer

3/32" ID Dia. Tubing Adapter with 3" adhesive plate

4" Adapter with adhesive ring

Customer Provided Parts:

Inflation Blower 60CFM to 144CFM

(4" Adapter fits with most 60CFM Blowers and
144CFM Blower with minor customization)

4" Flex Hose needed between Blower Adapter and Servo/Damper

Silicon Caulk and Duct Tape (to seal Inlet system)

Misc. Mounting Screws

Exterior Hooded Wall Vent with screen

Note: Unit can control wide range of Greenhouses using a 60 to 144CFM Blower with properly installed plastic film with *minimal air leaks*. Check with your Greenhouse Mfg. for the appropriate size of Inflation Blower.