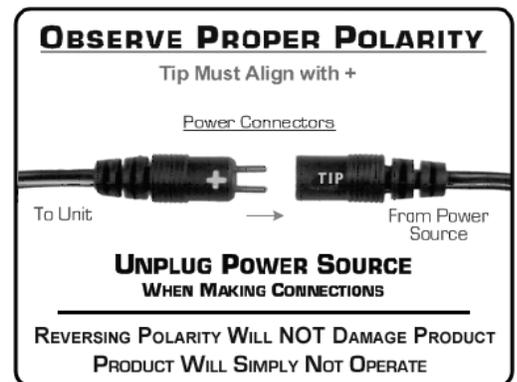


## SYSTEM DESCRIPTION & APPLICATION

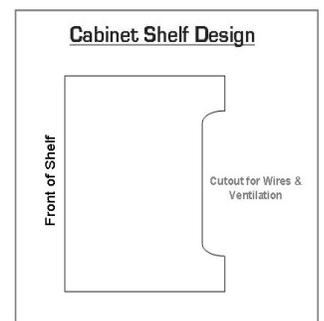
This system is intended to increase air circulation inside cabinets, enclosures, and other areas where equipment is present. This system is typically installed in a cabinet and can be configured to pull air out of the cabinet (this is the default configuration), or push with one unit and pull with the other (one fan must be reversed), or both units drawing air into the cabinet (must reverse both fans). The proper configuration is very application specific but the general consideration is: How tight/sealed the cabinet is – if very tight, push/pull may be preferred. If the cabinet is not sealed well – it may be desired to push or pull with both fans since the path of air circulation may be unpredictable and difficult to control. To reverse the direction of a fan, carefully pull the fan off of the rubber fan mounts one corner at a time and physically turn the fan over. Re-attach by placing the fan over the fan mounts, and pull the mounts through the fan mounting holes until the fan is properly seated. Once the fan is attached, you may trim the rubber fan mounts if desired. This will however prohibit any reversal of the fan in the future.

1. Determine the best configuration for the system related to the push/pull issue mentioned above. See instructions below on how to reverse the direction of the fan.
2. Determine appropriate locations for each unit. Usually one higher in the cabinet where amplifiers and receivers are located is preferable for drawing out an enclosure. The second can be placed in a mid or lower area of the cabinet. Ensure that no shelves or equipment will obstruct the unit once installed (be aware of the depth of the vent).
3. Drill 3 1/8" (79mm) or 3 1/4" (80mm) holes once the proper positions have been determined.
4. Slide the units into the holes and secure with 4 screws. It is recommended to pre-drill pilot holes for the screws in wood and is *required* for metal.
5. Determine the best route to run the power supply for connecting to the power y-cable and then to the fan units and secure.
6. Connect the Fan Units to the Power Y-Cable and then to the Universal Power Supply ensuring that polarity is correct – see diagram. The fans can be run full time or powered by a switched power outlet on the back of the amplifier, receiver, or another switching power unit.
7. Adjust the voltage on the Power Supply and operate between 7 and 9VDC for normal applications or 9 to 12VDC for more demanding situations. The unit will be audible with these settings. Adjust so the units operate quietly but if running at lower voltages and if powering multiple units with one power supply, ensure the unit restarts when power is disconnected and then reconnected.



## Notes

- The Cabinet Vent Package System can also be used with any Cool Components Inc. Temperature Controller to provide control based on the temperature in the cabinet or enclosure.
- For good measure, the shelving in cabinets should be designed as in the diagram to the right. This provides for easier wiring management and airflow.



## Fan Reversal Instructions

1. Pull the fan from the bracket using a flat tip screwdriver under one side of the fan and gently pry the fan upwards until the mounts release. Do not force it, the mounts will release by applying minimal force. (Figure 1)
2. Repeat this procedure on the opposite side of the fan to release the remaining mounts. (Figure 2)
3. Check desired direction of airflow which is indicated by an arrow on the side of the fan. (Figure 3) Also note the desired position of the power wire (default is downward). Now place the fan over the fan mounts.
4. Install the fan by pulling the mounts through the fan mounting holes until the mount is properly seated (pulls through the fan to reach the 'stop'). (Figure 4)
5. Once the fan is attached, you may trim the rubber fan mounts if desired. This will however prohibit any reversal of the fan in the future.



Figure 1: Pry Fan from Mount



Figure 2: Remove both sides



Figure 3: Check airflow direction



Figure 4: Reattach fan

## **VERY IMPORTANT**

Our products are intended to increase air flow around components which includes individual components as well as cabinets, enclosures, and other areas where equipment is present. It is important to follow all manufacturer recommendations for appropriate clearances around components and not create a situation where equipment can potentially be damaged from heat accumulations.

Cool Components, Inc. will not be responsible for components that are damaged under any circumstance including failure of the cooling products. It is the installer's responsibility to ensure products are installed in a manner where damage will not occur even if the cooling products fail.

## **Unit Not Working?**

Do not Return Damaged or Defective Products to Point of Purchase.

If the unit arrived non-functional or damaged, we will resolve the issue quickly and hassle-free. Contact us on the web at: [www.coolcomponents.com/warranty](http://www.coolcomponents.com/warranty)

## **Warranty Information**

This unit is guaranteed to be free of defects for a period of one year from the date of purchase. This warranty excludes damage caused by misuse or for applications other than the intended use of the products.

## **Feedback**

We truly value feedback on this and all of our products. We strive to provide the best products possible so it is important that we learn from our customers. If you have any ideas or suggestions that could improve this or any of our other products, please let us know. Thank you in advance for sharing your experience. Please send feedback to [feedback@coolcomponents.com](mailto:feedback@coolcomponents.com)