

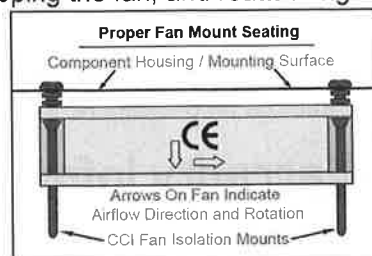
This system is designed to more aggressively vent cabinets, closets, or entire rooms. For venting rooms or closets, the HiFlo System, which includes two grills and a temperature controller should have been considered unless you are venting through a door or other surface where only one side of the vent requires a grill. Those items can also be purchased separately if needed.

### Installation Planning

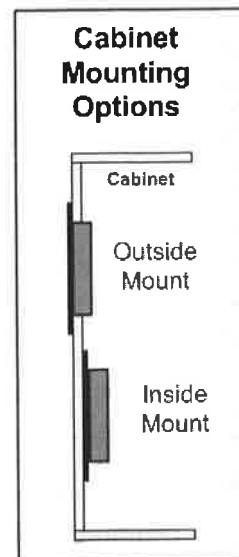
- **Determine Appropriate Position and Mounting Option.** For cabinets, the unit should be located high in the cabinet and clear of any obstructions from equipment, wires, etc. Once the location on the cabinet has been determined, next determine if the fan will be mounted from the outside or the inside of the cabinet. This is purely the installer's choice as there is no difference in the effectiveness. Inside mount may be a little easier as it involves using a hole saw compared to a jig saw. For installation in doors or other surfaces, also consider how you will run the power wire. Refer to step #4 below for mounting options.

### Installation Procedure

- 1) **Mark Hole for Cutout.** Using the appropriate template that is packaged with the fan assembly, mark the cutout hole/s and screw positions for the mounting option you choose. Ensure that the cutout marking is level and square and double check that there will not be any obstructions once the unit is installed. Pre-drill 1/16" (1.5mm) pilot holes in the perimeter screw locations that are for the screws for mounting the grill (plastic grill option).
- 2) **Cut the Hole.** For outside mount, cut a rectangular 8" x 3 3/4" (20.5 x 9.5cm) hole (refer to step 4a below), OR for inside mount, drill two 3 1/2" (9cm) round holes to mount the fan assembly from inside the cabinet (refer to step 4b below). You may want to use tape on both sides of the area to be cut to protect wood surfaces and avoid scratches or chips. Simply put masking tape over the area to be cut and peel it off once cutting is complete. Use an appropriate saw and ensure to follow all safety precautions.
- 3) **Fan Direction and Finger Guards.** Determine the direction you want the air to flow. For most applications you want the air to exhaust. On the side of the actual fans are arrows indicating the airflow direction. The fans can be easily reversed by carefully pulling the fans from the rubber mounts, flipping the fan, and reattaching the fans using the same mounts. To reattach, simply pull the mounts through the mounting holes on the fans until they 'catch' and are seated properly. Refer to the "Proper Fan Mount Seating" diagram to the right. At this point you can also install the fan guards if desired.

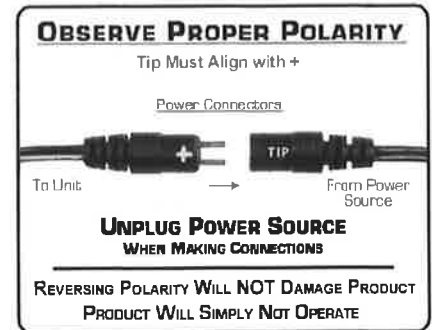


- 4) **Installing Unit (Fan Assembly & Grill).** See options below. Pre-drilling pilot holes for all screws is highly recommended. The oblong holes in the metal fan mounting bracket help to facilitate leveling.
  - a. **Outside Mounting with Plastic Grill:** First, insert the fan assembly into the 8" x 3 3/4" (20.5 x 9.5cm) rectangular opening, screw in but do not tighten the included #4 x 5/8" (1.5cm) flat head screws and the #6 nylon retaining washers centered in the oblong holes (Ref. A on the Template), then level, and tighten the screws ensuring not to over tighten them. Check the level again and pre-drill and then attach the grill using the 6 painted #8 grill mounting screws (only pre-drill those holes after the unit is level).
  - b. **Inside Mounting with Plastic Grill:** First, from the inside of the cabinet, center and level the fan assembly over the two 3 1/2" (9cm) round holes and attach with the included #4 x 5/8" (1.5cm) flat head screws and the #6 nylon retaining washers centered in the oblong hole positions (Ref. A on the Template). Next, center and level the grill over the two 3 1/2" (9cm) holes on the outside of the cabinet and attach using the 6 painted #8 grill mounting screws in the grill mounting screw locations (Ref. B on the Template). It is recommended to start with the top center screw and once it is fastened, level the grill and proceed with the rest of the screws.
  - c. **Outside Mounting with Wood Grill:** First, insert the fan assembly into the 8" x 3 3/4" (20.5 x 9.5cm) rectangular hole, level and attach with the included #4 x 5/8" (1.5cm) flat head screws and the #6 nylon retaining washers centered in the oblong holes. (Ref. A on the Template) The recessed magnets that are installed into the back of the wood grill will complete the magnetic mounting system by attaching to the metal fan mounting bracket.



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- d. **Inside Mounting with Wood Grill:** First, from the inside of the cabinet, center and level the fan assembly over the two 3 1/2" (9cm) round holes and attach with the #4 x 5/8" (1.5cm) flat head screws and the #6 nylon retaining washers centered in the oblong hole positions (Ref. A on the Template). Next, attach the #8 washers to the outside of the cabinet/enclosure in the locations previously marked using the #4 x 3/8" (9.5mm) screws that were included with the grill package. The recessed magnets that are installed into the back of the wood grill will align to the #8 washers to complete the magnetic mounting system.
- 5) **Run Power Wire.** Determine the path for the power wire and if installing on a door or surface other than inside a cabinet, route the wire so it will not get caught on any obstructions and also so it looks 'clean'. Use appropriate wire management products for a nice clean installation.
- 6) **Connect Power Wires.** Before plugging the unit in, connect the fan assembly power wire to the power supply and ensure there are no obstructions in or around the fans. Also Ensure to Follow Polarity by Aligning Tip with + on the Connectors (See Diagram to Right). Failure to do so WILL NOT damage the units, they will simply not operate.
- 7) **Power the Units.** On the power supply, turn the voltage up to 7 or 9 volts using the slide switch on the power supply and then plug it into a power source. Some power supplies have an indicator light indicating that it is powered up. Once plugged in, the fan unit should now be running. If it is not, check polarity and recheck voltage setting.
- 8) **Adjust Airflow & Noise.** At this point you want to adjust the voltage so the units are quiet but still effectively cooling. This setting will normally be 7 or 9 volts. The units can be run at 5 volts but are not intended to run at 12 volts unless noise is not a consideration.
- 9) **Options.** This unit can also be used with the temperature controllers or can be switched on and off using a switched outlet on the equipment. The Basic and Advanced Controllers simply plug inline between the power supply and fan assembly.



## 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. Proof of Purchase may be required. 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 three years 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)