

CP-CC-4FN, CP-CC-4WC, CP-CC-FL

Application: The application of the unit is as follows. See diagram on back.

- **Four Fan Unit.** This version provides more aggressive cooling while operating silently and features 4 fans pulling air from below and exhausting out the top.
- **Four Fan w/Cover.** This is designed to pull air from the bottom but direct it out the front of the unit or, by reversing the fans can pull air from the front acting as an air intake as long as the front of the rack or cabinet is open.
- **Fully Loaded (4 Fans w/Exhaust Blowers).** This version would typically be placed above a component and pushes most air upward but also exhausts hot air out the front of the unit. This unit is not intended, nor would be appropriate for venting an entire rack system.

Notes

- **Protecting Individual Components.** Any of the versions can be used for this application and it will be at the installer's discretion to determine the proper version and best configuration (placement and airflow direction).
- **Venting Air Out.** These unit are not intended to fully vent a cabinet or rack, they are intended to aggressively protect individual components in a rack or cabinet. The front blowers on the fully loaded unit will exhaust a decent amount of air but these are not intended to vent the entire rack.

Fan Direction: The direction of the fans can be easily reversed. By default the fans pull air from the bottom of the unit and blows upward. The fans can be easily reversed by carefully pulling the fans from the rubber mounts starting at one corner, flipping the fan, and reattaching the fans using the same mounts. 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 below and to the right.

REVERSING POLARITY WILL NOT CHANGE THE AIRFLOW DIRECTION. THE FANS WILL SIMPLY NOT OPERATE.

Note: For units or applications utilizing the front blowers, the blowers ONLY pull air in from the bottom of the unit and out the front of the unit. There is no alternate use or configuration for the blowers.

Rubber Feet: Included with each unit is 4 rubber feet for set top applications (non-rack applications). Simply install them by first ensuring the center pin on the foot is pulled out, then insert the rubber foot into the holes on the bottom side rails of the component unit. The foot should slide into the hole easily. If there is resistance, ensure again that the center pin is pulled all of the way out. Once the foot is inserted into the hole, simply push the center pin in which will lock the foot into place.

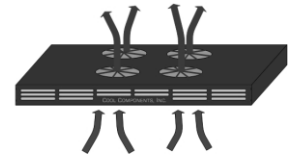
Rack Mounting: The units also come with rack mounting brackets or 'ears'. The brackets attach to the side of the unit using the supplied screws. Ensure the screws are secure before mounting the unit in a rack. Note that the protective plugs must be removed from the mounting holes on the component unit housing before the rack mounting brackets can be installed.

Powering the Unit: This unit powers the same way as our other products. If you are not using a Temperature Controller or if you are using a Basic (TC-BSC) Temperature Controller, the speed of the fans can be adjusted by changing the voltage on the power supply and the unit can be switched using a switched outlet on the equipment if equipped. Typically the unit will be run between 7 and 9 Volts DC but can be run on 12V for maximum cooling if the noise level is acceptable. If you are using the TC-ALT Temperature Controller or either of the TC-ASC Temperature Controllers, the supplied voltage must ALWAYS be set to 12V as these controllers will adjust the voltage automatically based on temperature. Ensure that polarity is followed on the ends of the connectors, align "Tip to +".

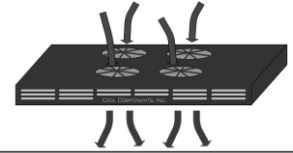
NOTE: Always check the voltage setting on the power supply prior to installation

COMPONENT COOLING SYSTEM

4-FAN VERSION

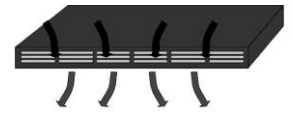


With Fans Reversed



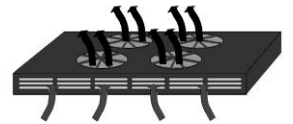
COMPONENT COOLING SYSTEM

4-FAN WITH COVER: PULLING AIR IN



PULL AIR FROM THE FRONT
DIRECT OUT THROUGH THE BOTTOM

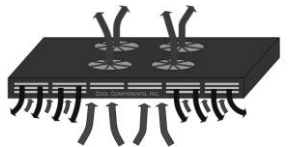
With Unit Turned Over:



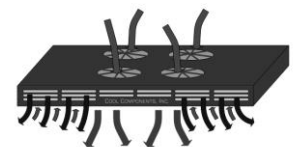
PULL AIR FROM THE FRONT
DIRECT OUT THROUGH THE TOP

COMPONENT COOLING SYSTEM

FULLY LOADED VERSION

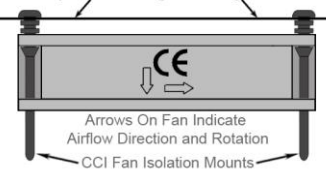


With Fans Reversed



Proper Fan Mount Seating

Component Housing / Mounting Surface



Arrows On Fan Indicate
Airflow Direction and Rotation

CCI Fan Isolation Mounts

Options for the Unit: Cool Components Temperature Controllers can be used with this unit for either basic on/off or for more advanced control including variable speed contro. The TC-BSC and the TC-ALT Temperature Controllers simply plug inline between the power supply and unit. If you are using the TC-ASC or the TC-ASC-2 Controllers, the power supply that is included with this unit will not be required as these controllers come with their own power supply.

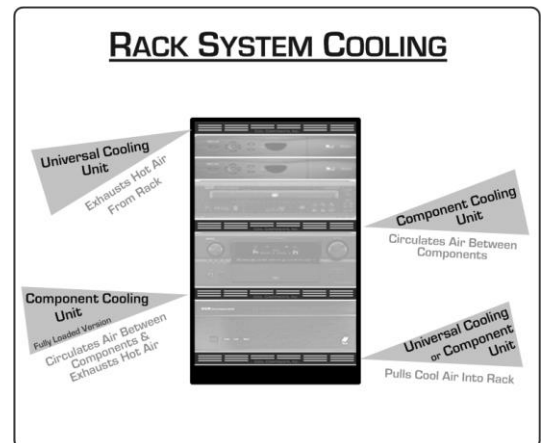
Instructions for Use in Non-Rack Applications

This is for applications where the unit will not utilize the rack mount adapters and will commonly be placed on top or below a component in a cabinet or shelf configuration.

1. Install the supplied rubber 'feet'
2. Consider the general airflow in the cabinet and ensure there is proper exhausting of hot air and that air can flow between shelving and wiring is kept neat so it does not block airflow.
3. Determine and place the unit either underneath or on top of other components.
4. Determine the direction of desired airflow and reverse the fans if necessary.
5. Once the unit has been set, plug in the power supply and secure all cables. Ensure no wires or other obstructions or objects may come in contact with the fans.
6. Once fully installed and operational, ensure the unit is cooling as desired. It should be operating at an acceptable noise level and should be cooling as expected which may be a function of the position and/or airflow direction. If it is not cooling satisfactory, consider changing the direction of the airflow or adding options such as the variable speed controller, and/or additional fans or the blowers.
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Instructions for Use in Rack Applications

1. Determine the application of the unit as related to rack applications.
2. Consider the general airflow in the rack and ensure there is proper exhausting of hot air.
3. In the rare chance that would like to reverse the airflow, reverse the fans as detailed previously.
4. Install the rack mounting brackets.
5. Once the unit has been set, plug in the power supply and secure all cables. Also ensure no wires or other obstructions, or objects, may come in contact with the fans.
6. Once fully installed and operational, ensure the unit is working as desired including that it is operating at an acceptable noise level and is cooling as expected which may be a function of the position and/or airflow direction.



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

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