

PROCOOL

AV COOLING SYSTEM INSTALLATION INSTRUCTIONS

Models:

SXT-AV1, SXT-AV2, SXT-AV4

AV-1201, AV-1202, AV-1204

AVP-280, AVP-480, AVP-1202, AVP-1204



#1 Plan where to mount the fans

Here are some examples...

The first thing to do is decide where to mount your new ProCool AV Cooling System.

The fan location(s) depend on the number of fans you have with your system. Example “a” to the right shows a 2 fan system configuration. If your cabinet is fully enclosed typically you would want one fan blowing into the cabinet and the other blowing out to achieve good air circulation.

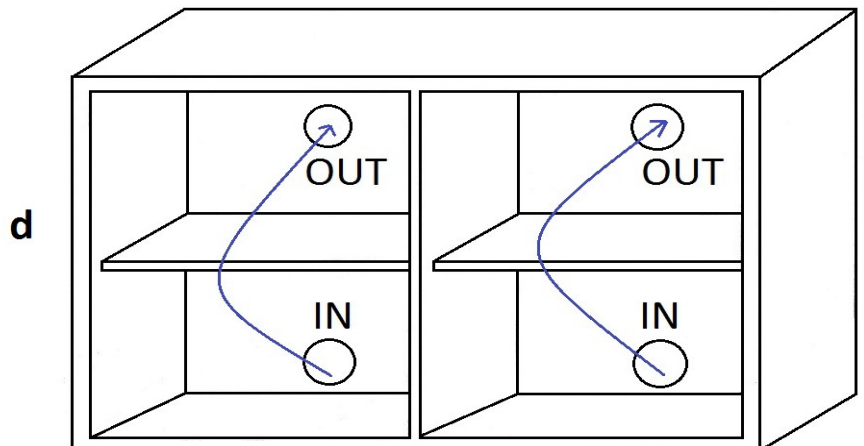
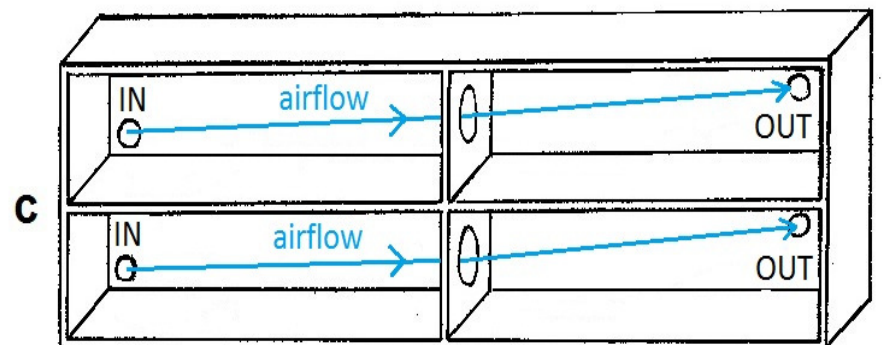
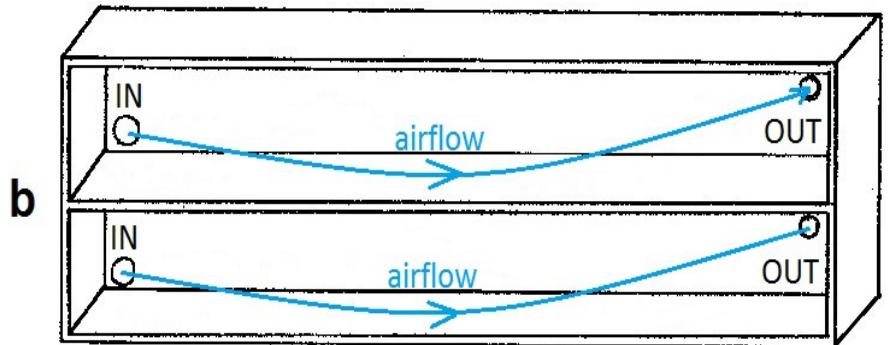
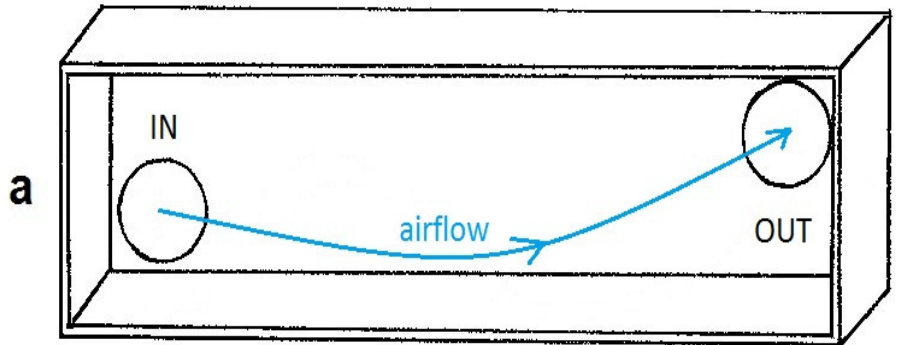
If the front of your cabinet is open you might consider mounting both fans to blow into the cabinet and onto your hotter components.

You can also directly cool your components as shown in **figure 4** on page 5.

Examples “b” and “c” show more configurations for cabinets with multiple compartments and for multiple fan systems.

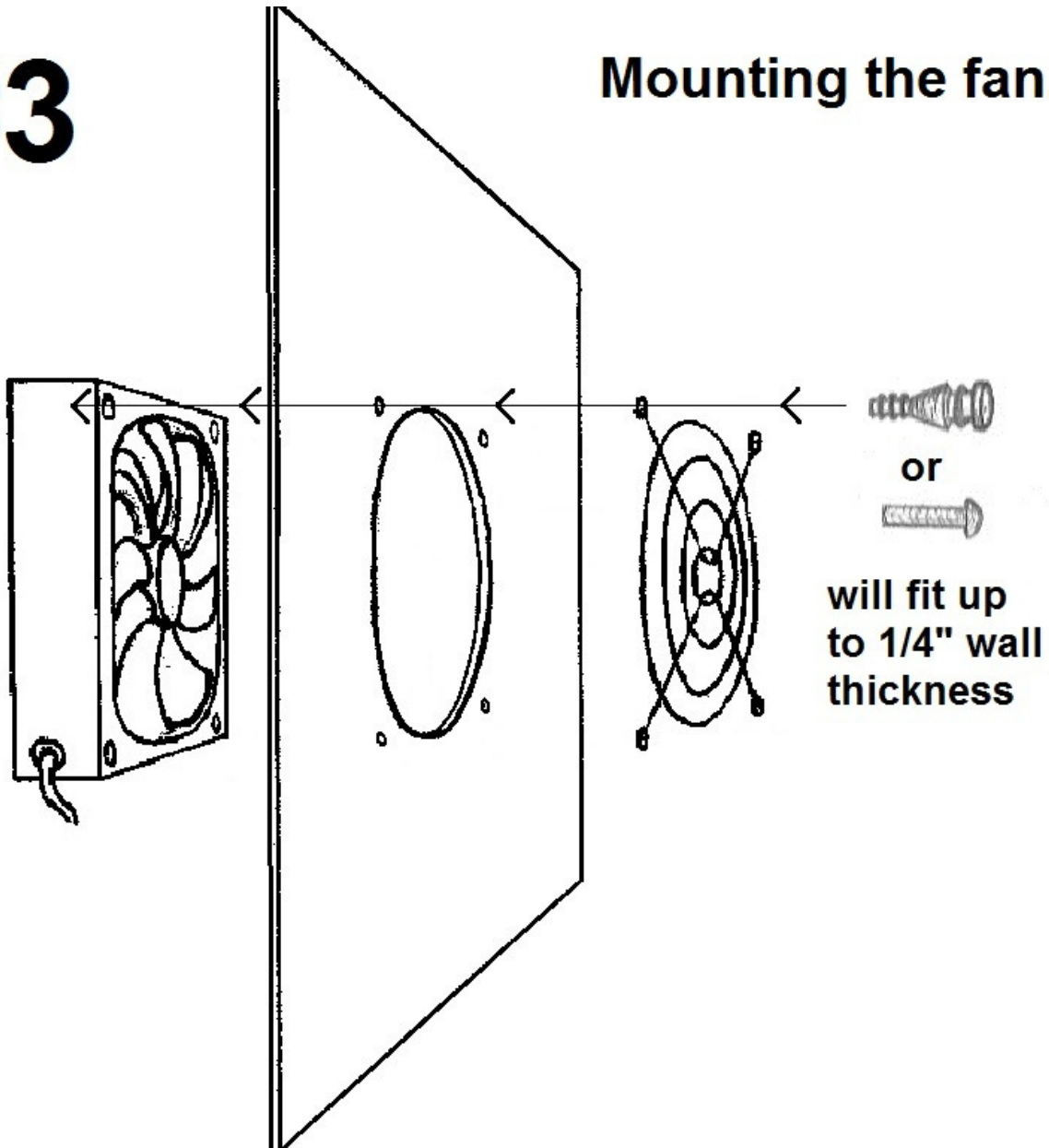
Essentially the fan positions are your choice. Most important is to create air circulation, cool your components and to remove the hot air.

Example “d” shows a typical layout for a cabinet with doors enclosing the front. Typically there is a space between the front of the shelf and the inside of the cabinet door. This air space will allow unobstructed airflow from bottom to top. This is the recommended set up for this type of cabinet.



#3

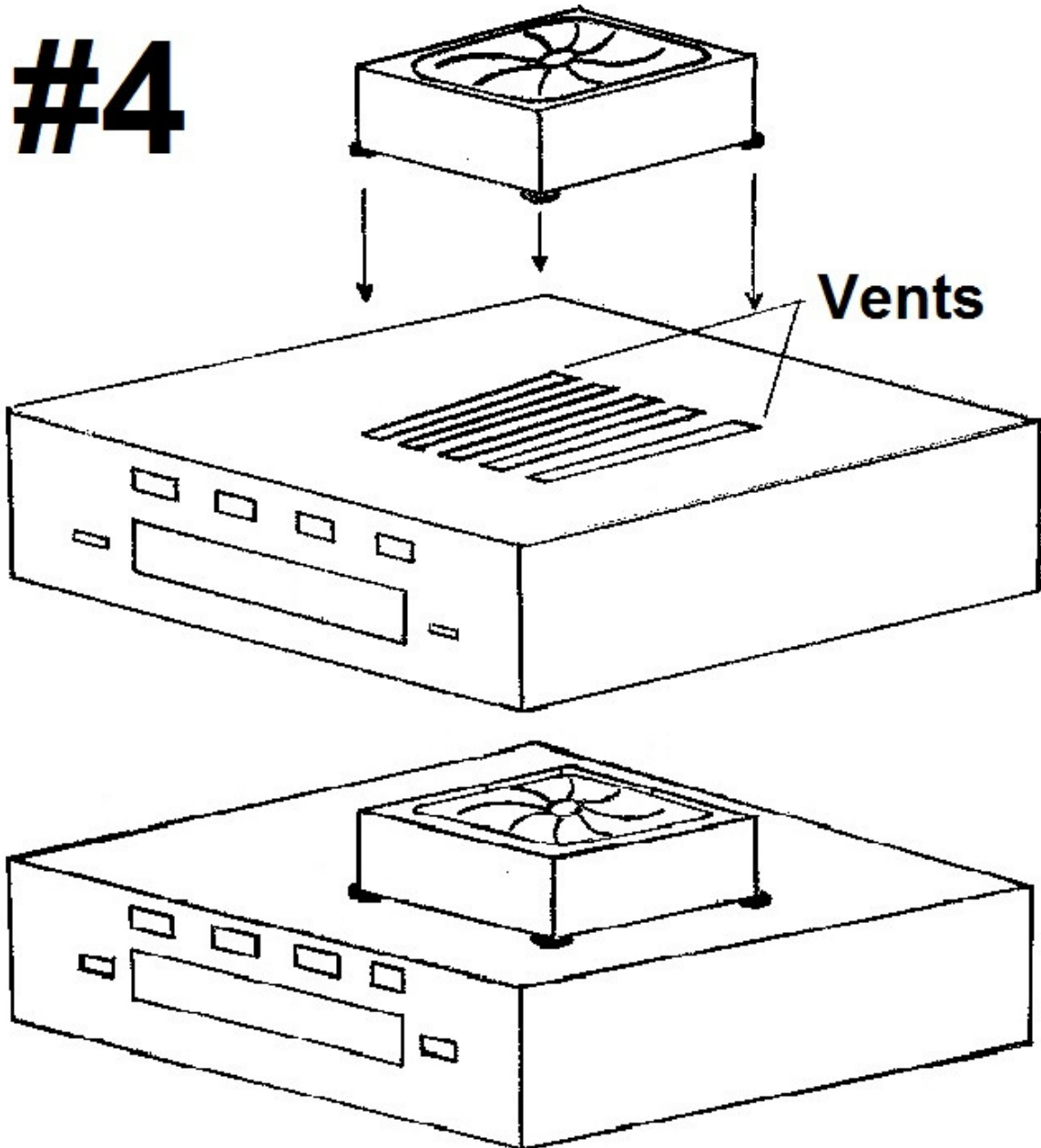
Mounting the fan.



After all of the holes are drilled you can mount the fans. Screws and Silicone rubber soft mounts are included. Both will fit up to 1/4" thick cabinet wall. If your cabinet wall is thicker you will need to supply longer mounts. Typically the backs of AV cabinets are not more than 1/4" thick. You can also go to www.rackfans.com and purchase special mounting plates.

Another solution is to directly cool your components as seen in example #4 below. Again like with the cabinets you can choose to blow air in or exhaust out.

The Silicone rubber mounts work great as non slip feet. Simply pull them completely through the fans mounting holes. This will also protect the top of your component from scratches.



#5

Connect to the power supply

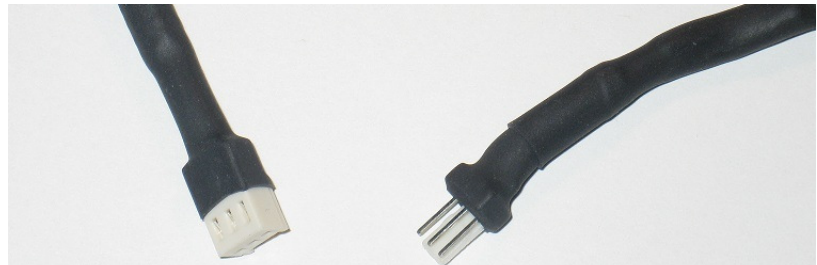
Once the fans are mounted, you can route the wiring to the power supply. The fan power wire length is 12". Power wire extensions are available at www.rackfans.com if needed.

For AVP systems with the fan controller see page 7 for connection instructions.

The power supply can be plugged into a switched outlet on the back of your receiver. This allows the fans to be shut off with your AV system.

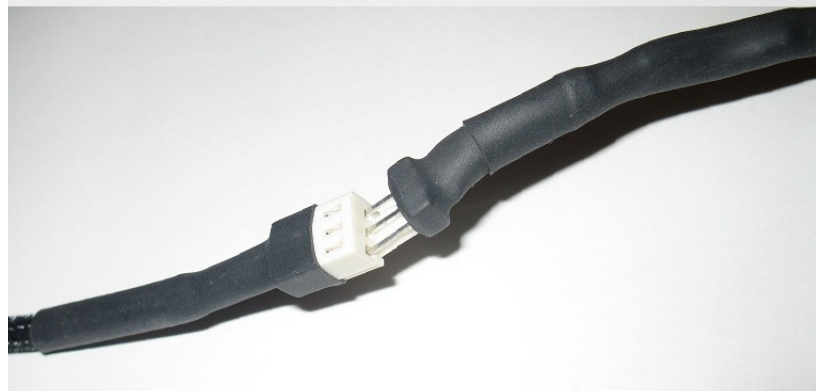
Connect the fans to complete the assembly.

For more precision cooling, locate the thermistor probe near the heat source. You can also locate the probe at the top of the cabinet.



Fan Plug

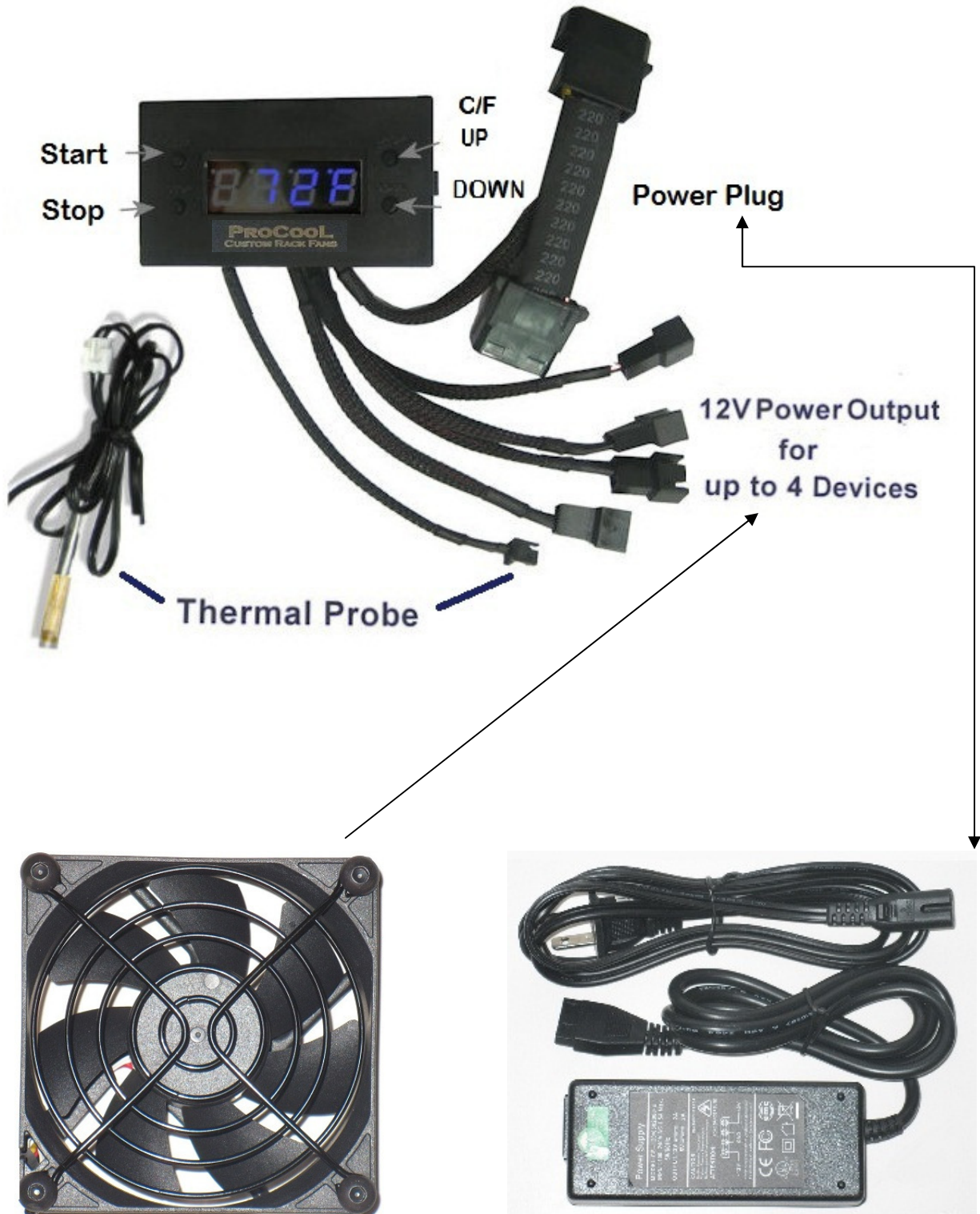
Power supply plug



Thermistor probe

AVP Systems

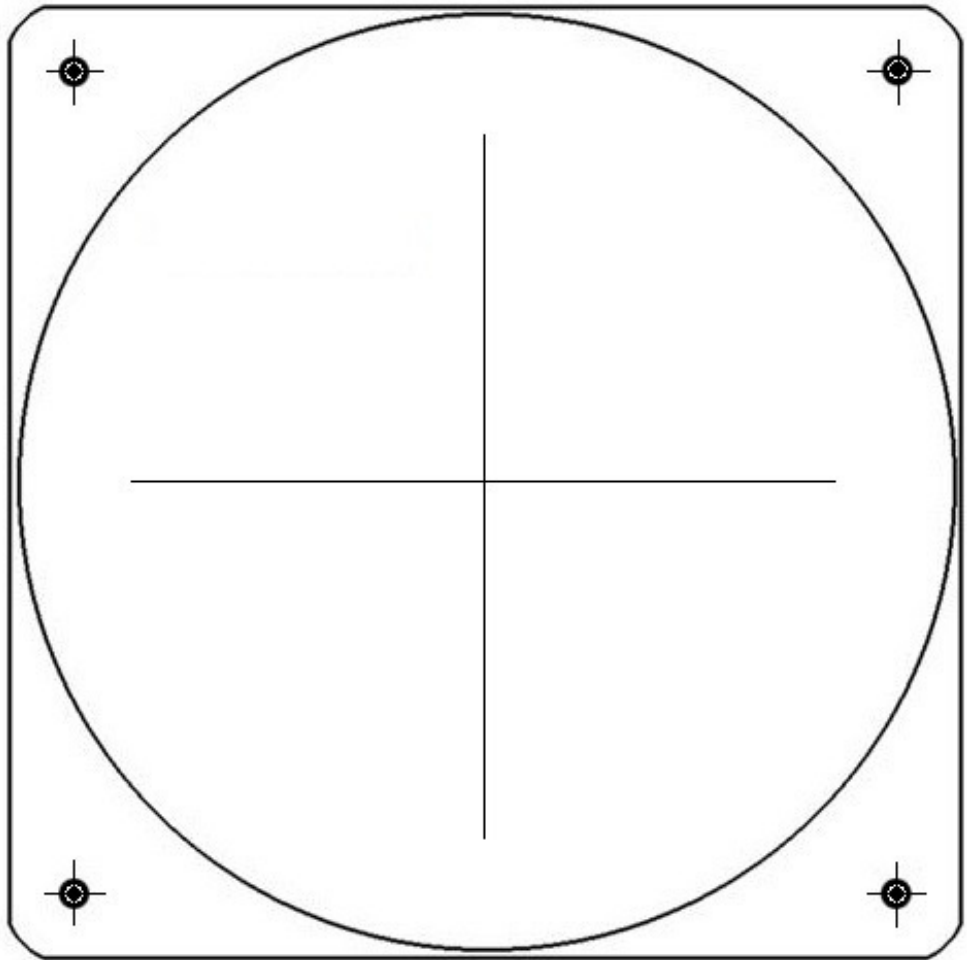
Multi Fan Controller Connections



PROCOOL
AV COOLING SOLUTIONS

AV FAN CUT OUT TEMPLATE

120mm



80mm

