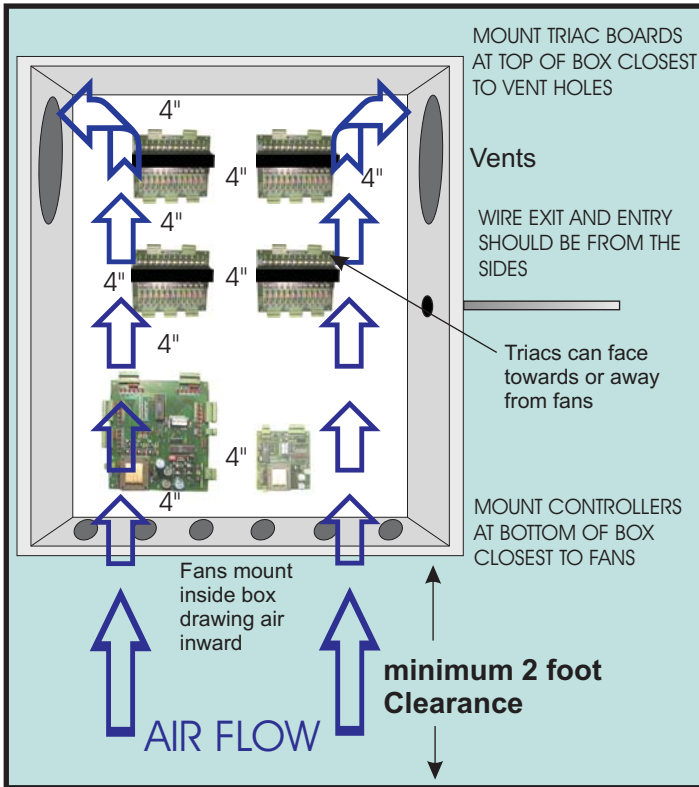


- **Determining the size of the box**
- **Board placement**
- **Air flow basics**



- LAYOUT GUIDELINES -

1. The installed boards should be spaced at least 1/2 inch off of the back wall (base) of the enclosure.
2. There should be a 4" (4 inch) minimum space between the edge of each board, and the edges of the enclosure.
3. The controller boards should be mounted at the bottom of the enclosure, closest to the fans. The triac boards should be mounted at the top of the enclosure, closest to the vent holes.

Tip: Pre-assemble the boards onto a piece of metal that can be bolted to the back of the enclosure. Wire up the control lines between the controllers and the triac boards then mount the entire assembly into the enclosure.

- CALCULATING THE SIZE OF THE VENT HOLES -

* Take the size of the fan holes and add them together.

example (3 fans): (3" x 3") + (3" x 3") + (3"x3") = 9" x 9"

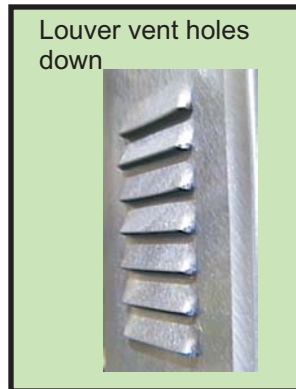
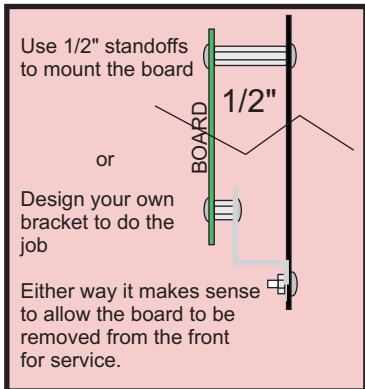
* Divide this total by two.

example: 9" x 9" divided by 2 = 4.5" x 4.5"

* This will be the minimum size of the vent hole on each vertical wall of the enclosure.

Using these guidelines determine the minimum size of the enclosure. It should be made of metal and meet local codes. It should be at least 6 inches deep, (if only because square 4 inch fans need an inch on either side for support).

There should be a fan force of 200 CFM per triac board



BOARD DIMENSIONS:

DESCRIPTION	P/N	(LxWxH) IN INCHES
4 POINT 10 AMP TRIAC BOARD	PCB10T4	4 1/4 x 5 1/4 x 1 1/4
12 POINT 10 AMP TRIAC BOARD	PCB10T12	9 1/2 x 8 x 3
6 POINT 20 AMP TRIAC BOARD	PCB20T6	9 1/2 x 8 x 3
6 POINT CONTROLLER BOARD	PCB06PD	6 x 5 1/2 x 2
32 POINT CONTROLLER BOARD	PCB32PD	8 x 9 x 2
64 POINT CONTROLLER BOARD	PCB64PD	9 1/2 x 12 1/4 x 2

Use this chart to make templates to assist in determining the board placement.

