

## TAC-60 Insulation and Air Flow

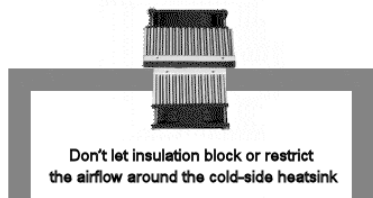
In order to obtain the performance that you expect from our air conditioners it is important that you install them so that they can work efficiently.

Be sure that the supply of air to the internal and external fans is not obstructed by nearby objects or walls. The air passing over and away from the heat-sinks must move freely to exhaust the hot side air back to ambient and to circulate the cool air within the enclosure. We recommend that you allow at least ten (10) inches of unobstructed space around the external fan/s and three (3) inches around the internal fan/s to allow adequate air intake, exhaust and circulation.

After cutting an 82mm square hole in the wall of your panel or enclosure, simply pass the wiring and the smaller (cold side) of the assembly through the wall and mount with any hardware you choose through the holes in the flanges.

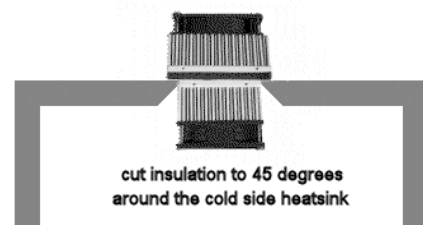


*Some customers may receive a flange kit and need to mount the flanges first.*



The use of insulation is important in many applications, particularly with outdoor enclosures. While we want reduce the heat transferring from outside the box to the inside, we do not want to allow the cabinet wall or insulation to block or restrict the air flow over the internal (cold-side) heatsink/s as performance can be severely reduced.

If the wall or insulation is thicker than the TE unit insulation, we recommend ordering a unit built with a spacer block to pass through the insulation however cutting the insulation to 45° degrees as shown below will help significantly. In this way the air flow in and around the heatsink is not obstructed and the TE unit has a better performance than if you simply make a sharp 90° edge cut-out.



**Fan Repair:** To repair or replace our stock fans with new or high speed fans simply remove the four screws holding the fans in place and pull the fan away from the assembly. Cut or disconnect the leads. Reverse the order for installation of the new fan/s.

If the thermoelectric exchanger becomes damaged or broken, Advanced Thermoelectric will need to make the repairs. Contact us to make arrangements toll free 1-866-665-5434 or at the numbers below.

TAC-60  
Cutout Template

83mm

83mm



For a durable template print on card stock or laminating material