



SMARTRISE

MADE STRONG

INSTALLATION MANUAL

for

THERMAL EDGE AIR CONDITIONER

INSTALLATION MANUAL



Installation of the Thermal Edge Air Conditioner

Thermal Edge AC System Introduction

The Thermal Edge Air Conditioner unit mounts on the side of the controller cabinet and forces cool air through openings in the side. There are two cables on the back of the unit that pass through the controller cabinet and attach to 120vac power and 24vdc power. Also included are the gaskets, operation manual and mounting hardware.



Gasket Installation



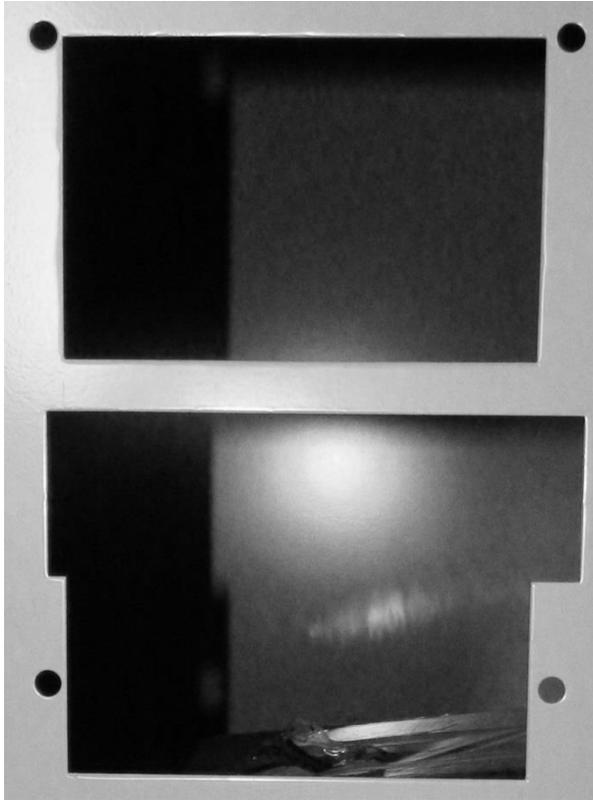
There are 5 gaskets that need to be installed on the backside of the air conditioner unit. The orientation of the gaskets on the back of the unit is as pictured. The tabs of the smaller cross pieces go into the notches on the longer side pieces. When installed correctly the gaskets should provide a consistent seal all the way around the enclosure face with no gaps to allow cold air to escape.



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Mounting the AC unit to the cabinet

The controller cabinet has two openings on the side that the AC unit mounts to. The back side of the AC unit has a built-in lip that allows the unit to hang in the opening during the installation of the (6) bolts provided.



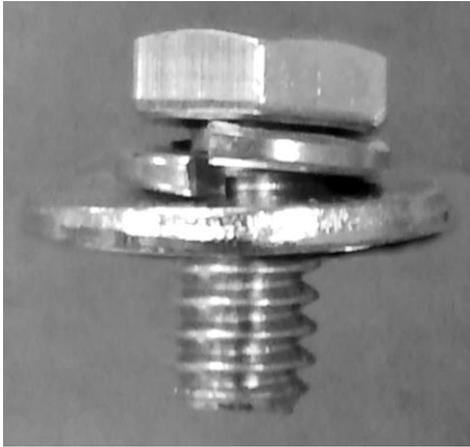
The top opening is where the cabinet air is drawn into the unit through the cooling coils. There is a temperature sensor mounted in front of the coils. Make sure it is visible after installation or incorrect operation can occur.

The bottom opening is for the cold air exhaust into the cabinet. The main power button, 120vac power cable and the overload cable is installed through this opening.

After the gaskets have been installed, carefully insert the two cables through the bottom opening and place the AC unit mounting lip onto the bottom edge of the upper opening.

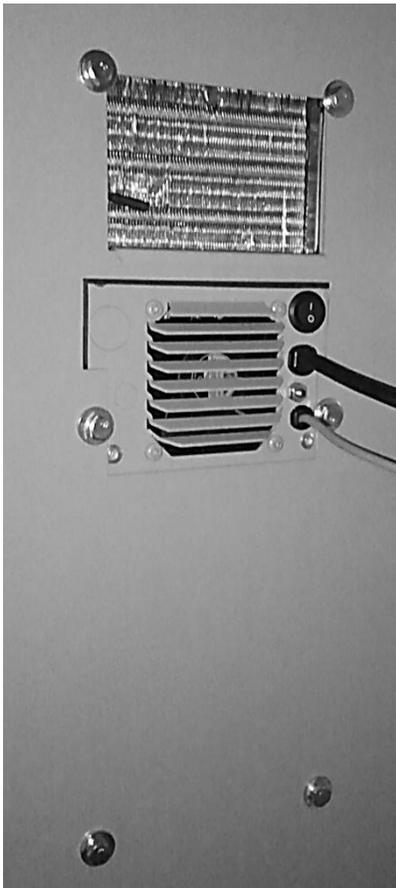


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Take out the six (6) bolts, flat washers and lock washers and assemble them as shown.

Once the unit is hanging on the controller cabinet, insert and hand tighten all six (6) mounting bolts through the controller cabinet into the AC unit. Don't fully tighten any of the bolts until they're all inserted into the unit. You may need someone to push the AC unit against the controller cabinet in order to start the bolts.



When all six bolts are tightened the AC unit should be snug against the controller cabinet. Make sure the AC unit is completely sealed along all four edges.



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Wiring the AC unit to the controller

Once the AC unit is mounted on the controller cabinet you will need to plug in the 120vac line into the plug supplied in the controller cabinet.



If the AC unit is setup for monitoring then connect the black & orange wires from the gray cable to the two wire connectors attached to the 120vac plug line.



Your Thermal Edge Air Conditioner is now installed!

Locate the operation manual for proper programming instructions.