



**Your A/C & Furnace is STEALING money from YOU and I can prove it! Putting a stop to it is QUICKER & EASIER than you think...**



**Government Tested & Approved Device! Simply lowers energy bills and makes your HVAC system more efficient whether installed in a home or business.**

#### **What exactly is the HVAC Maximizer?**

The HVAC Maximizer is a MICROPROCESSOR MODULE that adjusts the HVAC fan to stay on for an extended amount of time after the cooling or heating unit cycle off. HVAC Maximizer RECORDS how long the cooling or heating unit has been running and AUTOMATICALLY adjusts the fan to remain on for a precise amount of extending time, thus utilizing additional heat or cold air left in the system that would have been wasted and subsequently reduces the number of times the HVAC systems cycles on/off. The maximizer is a small device measuring approximately 3" x 2" x 7/8" and is powered by low voltage microprocessor circuitry. The maximizer should always be installed by a licensed electrician.

#### **Why the HVAC Maximizer?**

According to Department of Energy 40% to 60% of total energy costs come from HVAC systems. Studies commissioned by the California Energy Commission (CE), conducted by Pacific Gas and Electric, have shown that simple changes to the way your HVAC fan works can increase the energy efficiency in your heating and air conditioning system. By extending the fan cycle for a longer period of time after the heating and cooling cycle is complete, latent heating and cooling is captured that would have otherwise dissipated. Most manufactures of HVAC systems have no fan delay or one that only extends an additional 90 -- 120 seconds, but the Energy Commissions studies have revealed that a longer fan cycle yields better energy efficiency. The amount of time the fan continues to operate after the furnace or compressor is off varies based on the amount of time the furnace or compressor initially runs.

#### **How the HVAC Maximizer saves energy on cooling?**

The HVAC Maximizer monitors how long the AC unit runs, and then automatically programs the fan to continue running until all of the cold air left in the ducts has been delivered to the rooms. The HVAC Maximizer will allow the fan to run approximately 2 minutes additionally for every 10 minutes of run time to cool the conditioned space at the same time preventing the water from evaporating across the coil and getting moisture back into the home. While some AC manufactures program the fan to run for 90 seconds after the AC compressor turns off, recent testing by the California Energy Commission shows an average 14.8% improvement in efficiency with extended run time. The extended fan time reduces the number of times the AC compressor cycles on-one of the worst energy guzzlers in both commercial and residential buildings After the additional cooling and the energy has been extracted, the device will turn the blower motor off.

#### **How The HVAC Maximizer Saves Energy for Heating?**

Most furnace systems operate at low---speed fan speed in heating mode. After the furnace turns off the fan it continues to operate for a fixed time delay of up to 120 seconds or the fan continues to operate based on a temperature delay which turns off the fan when the plenum temperature falls below the thermostat setting. The HVAC Maximizer allows continual fan operation in heating mode to increase heating efficiency and reduce furnace run time. The HVAC Maximizer monitors how long the furnace runs, and then activates the furnace fan at the end of the combustion cycle to stay on for up to 8 minutes longer. The additional fan run time extracts more heat from the furnace, resulting in less waste and less run furnace time, savings in energy costs in fall and winter.