

AES Technical Bulletin **Control Board Failure**

Product Models covered: All Biomass/Corn/Wood Pellet Magnum & Country Flame Appliances

Topic: This technical bulletin will be addressing control board failure with questions, considerations, and information.

American Energy Systems tests every control board, to ensure its quality, before it is packaged and shipped out. Remember to always install a surge protector before operating any Magnum or Country Flame unit. Always have the appliance on its own dedicated circuit; nothing else should be plugged into the same circuit.

Questions/Considerations:

- Was there a disruption in electricity? Any black outs, brown outs, power surges, electrical storms? Was the house struck by lightning?
 - ✓ Disruption in electricity can blow a fuse and/or the control board if proper protection is not installed.
- Did a fuse blow?
 - ✓ If a fuse was blown, find out why the fuse blew. Remember if you just change the fuse sooner or later the control board will fail because it has been weakened.
- Is there a short somewhere?
 - ✓ Do a visual inspection of the wires and wiring harness.
- Is it grounded correctly?
 - ✓ Check the outlet polarity.

When the unit is not in use (summertime, etc.) unplug the appliance. This will help prolong the life of the control board.

Remember the fuse is in place to protect the control board from internal problems. The surge protector is in place to protect the control board from outside problems. If the control board has blown usually this means it wasn't properly protected. Contact your local dealer for technical support.

