

The use of electricity to heat homes, stores, commercial buildings and factories is an option that offers distinct advantages when considering methods of heating. Some advantages of electric heat are:

- Low initial cost.
- Electric heating devices need no oxygen and, therefore, no air supply.
- Highest temperatures needed are below the ignition temperature of most materials. Therefore, the system is considered safer than other heating systems.
- Due to the absence of combustion and combustion gases, there is less danger of toxic conditions arising. No chimney is needed.
- Equipment normally requires less space than other systems which increases versatility.
- Individual room temperature is easily obtained.
- Very clean operation.

Disadvantages are:

- The cost for unit of heat is higher than some other fuels.
- Humidity control problems may occur.
- Additional electrical circuits are required.

Electric heating has a wide range of applications. It may be used for heating operations in industrial processes. Examples would be fast drying of paints and melting of low-temperature metals or metal alloys. It has been used for domestic and commercial cooking and baking. It is often used for providing hot water and as the heat supply in mobile homes.

For residential use, electric heating has many applications:

- The only source of heat.
- Supplementary heat, even though some other system provides most of the heat in the residence. It is also used where the heating energy required during cold weather is more than the system can supply.

- Resistance heating provides heat in parts of a building that are not well heated. It may be used in areas of a building where heating by the standard system would be unsafe. Resistance heating also may be used to heat additions to buildings. The present system may not have enough capacity to heat the addition. Perhaps the extension of the existing system would be too costly.

If you have burnt elements, it usually means you don't have enough air moving over the elements and they have gotten too hot. Check your filter and coil for cleanliness or increase blower motor speed to increase the air flow! For these reasons, and others, a qualified person needs to make these adjustments.

Repair of electric heat elements is commonly done by use of "open wire" restraining kits. MARS replacement coil kits for electric heat element repair allow for a quick and economical means of repair. MARS restraining kits can be used to repair burnt out heating elements in electric furnaces and heat pump air handlers heating assemblies. Each kit contains one close wound, stretch to length, resistance coil with welded terminal bolts; two each male and female ceramic terminal insulators; two each .375 and .450 inch standard ceramic bushings; two each .375 and .450 inch extra long ceramic bushings; necessary nuts, washers and installation instructions.

MARS restraining kits are made in the USA. There are choices in electric heat element restraining repair kits. Do not risk safety and security with an inferior product.



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