

“AUTOMATIC POWER SAVING BY CONTROLLING HEATING AND COOLING DEVICES”

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ABSTRACT

In this new era automation has become a part and parcel of everyone's life. Today we want all our work to be done automatically. Comfort and luxury has become a must for every person. Researchers are going on full swing to continue and improve the above mention trend. But in developing these leisure's we are consuming more and more power which in turn can have devastating effects like global warming. Thus, our emphasis must not only on comfort but also on different methods on saving energy. Temperature based device control is such an initiative. It is a very versatile project and has application in various field .Its aim is not only provide comforts to its user but also to conserve energy. It is an ecofriendly project which help's in saving more power.

This device is an intelligent system which can control devices (namely heater, fan and air conditioner) based on room's temperature. When room temperature is very low it turns on the heater to heat the room. at medium temperature it turns on the fan as the temperature rises the speed of this fan progressively increases. At high temperature range to turn on the AC. to cool the room. Also at very high temperature it raises an alarm as a warning for breakout of fire. Hence it adds to the security feature of a house. This device is an intelligent system which can control devices (namely heater, fan and air conditioner) based on room's temperature. When room temperature is very low it turns on the heater to heat the room. At medium temperature it turns on the fan as the temperature rises the speed of this fan progressively increases. At high temperature range to turn on the AC. to cool the room. Also at very high temperature it raises an alarm as a warning for breakout of fire. Hence it adds to the security feature of a house. Maintaining the on/off state of a fan is useful in many ways, it prevents the waste of energy when it is not hot enough for a fan to be needed; it also makes it possible to maintain

environment that are not comfortable ,or possible, for humans to monitor especially for extended periods of time.



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