Features

- Dual Volatge (110V/220V) operation
- Auto temperature control with NTC
- Multi mode LED indicator
- Drive TRIAC device to provide fast heat
- Auto power off

Applications

- Hair Curler
- Electronic Oven
- Electronic Radiator
- Constant Temperature Electronic Iron, etc.

Ordering Information

Part Number	Package
PT8A3201P	8 - Pin PDIP
PT8A3201W	8 - Pin SOIC

Note: Lead free package is available by adding *E* after each part No. For example, PT8A3201PE is lead free package part No. for PT8A3201P.

Description

The PT8A3201 is a mixed signal CMOS LSI chip designed for the automatic controller of heat with external NTC temperature sensor. The chip drives an external TRIAC with full cycle to provide instant heat. It can be used in both 110V and 220V AC supplies by automatically adjust the power level to the controlled load.

This device provides three functions:

-Reset state: All input terminals are inactive and output terminals output HIGH level.

-Auto off power after approximately 1 hour

-Auto temperature control: Maintains user selected temperature according to NTC input condition.

The circuit will automatically adjust output duty cycles according to heater operating voltages (e.g. 110V and 220V).

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