



Faxback Doc. # 9007565

Christmas Light Controller

HT2040A

Features

- Operating voltage: 4.5V~5.5V
- 4 SCR direct drive outputs
- 10 different groups of lighting patterns
- Up to 8 patterns for each group
- Demonstration function
- One key activation function
- Up to 23 patterns can be programmed inside
- Built-in PLL circuit
- 50Hz or 60Hz AC power supply applications
- Default 12 patterns for standard applications

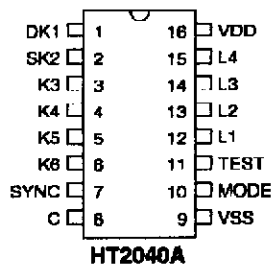
General Description

The HT2040A is a low cost, low power CMOS LSI chip designed for use in Christmas lighting control products. It provides 4 SCR outputs to control the lamps. The lamps can display up to 10 different groups of lighting patterns, where each pattern or pattern group is chosen by appropriate input keys.

The available 10 groups of lighting patterns can all be displayed automatically or sequentially using a single key. (12 patterns and 10 pre-programmed groups are provided by default.)

The internal PLL circuit allows synchronized control of the SCRs at either 50Hz or 60Hz AC supply voltage.

Pin Assignment



Block Diagram

