UC7096T DESIGN DESCRIPTION

Low power factor remote control is used as controller for speed , wind blows and light of ceiling fan.

The transmission is powered by 1.5V AAA*4 battery and works on 303.875MHz single fixed frequency. Details of circuit diagram and block diagram are shown on the attached sheets.

Transmission controls speed and light of fan through 22 bit encoding connection signal, 8 buttons and 4sets switch. The carrier wave is made by saw oscillator throgh NPN R/F amplifier.

Controller 7 sets 9bit combination from 22 bit to control fan speed HI   MED   LOW   OFF   REVERSE   UPPER LIGHT   BUTTON LIGHT. To create 16address from 4bit to avoid interference.

Install PTC to detect ambient temp. and shows current temp. To set up temp. comparison to control fan speed automatically. The bigger temp. difference, the higher fan speed will be to ensure automatic temp. control.

We use LCD as display panel. Put data info like wind speed, light and temp. on panel for easy operation. There's timer design and establish FAN and LIGHT distinction automatic reciprocal time closing machine.