

RH380T 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 26 bit encoding connection signal, 5 buttons and 4sets switch. The carrier wave is made by saw oscillator through NPN R/F amplifier.

Controller 5 sets 17bit combination from 26 bit to control fan speed FAN, REVERSE, UPPER LIGHT, BUTTON LIGHT, SET. To create 16address from 4bit to avoid interference.

We use LCD as display panel. It shows the ceiling fan speed, light brightness, up-down blow and low battery instruction.