

Sender Circuit Description of 998D Remote Controller

This whole Circuit supplied by power DC12V is constituted by five parts, including Stable Voltage Circuit, Hi-frequency Shot Circuit, Main Controller Circuit, Display Drive Circuit and Storage Circuit.

Power 12V directly supplies working voltage for IC of Main Controller Circuit, LCD Drive (1621) and IC of Storage Circuit (FT24C02) with 3.6V stable voltage by using Stable Voltage Circuit IC7136-1.

The data will be saved by the communication between the first and the fourteenth foot of Coder IC1621 and the fifth and sixth foot of FT24C02.

The data on display will be varying with the programming of Main controller IC by the connection between the 2nd, 3rd, 5th foot of 1621 and IC communication window of LCD Drive.

The 4th foot is plus 3.6V and the 11th foot is ground connection.

The 6th foot is the connection port of channel choice, which is ground-connected with switch S2. The channel will be changed when you press the key S2(form the 1st channel to 2nd one).

The 7th foot is the connection port of mode choice, which is ground-connected with switch S5. The mode will be changed when you press the key.

There are totally four kinds of modes to be chosen, which are electric short mode, vibration mode, beeper mode and flashing mode.

The 8th foot is the connection port of signal sender, which is ground-connected with switch S1. When the key S1 is pressed down, the 13th foot will send out the coded signal to decode by connecting R6 to hi-frequency shoot circuit, which is constituted SAW filter and audion 3356. The frequency is 433.825MHz.

The 9th foot is the connection port of down page key, which is ground-connected with S3. When the key S3 is pressed down, the number will decreased. The 10th foot is the connection port of up page key, which is ground-connected with S4. When the key S4 is pressed down, the number will increased. Switch S6 and D8 make up of white LED lighting circuit, which D8 anode and S6 connect with the 3rd foot of 7136-1 and D8 cathode ground - connect with R4. Herein the button S6 pressed down, D8 will be lighted up.