

Circuit Description

WHEN THE POWER SWITCH K1 IS CLOSED, THE CIRCUIT IS TURNED ON, AND THE HIGH FREQUENCY SIGNAL SENT BY THE REMOTE CONTROLLER IS RECEIVED THROUGH THE ANT1 ANTENNA;

Q1.C11.L2.C15.R8 CONSTITUTES A SUPER-REGENERATIVE CIRCUIT, L-T1 AND C8 ARE PARALLEL RESONANT CIRCUITS, AND THE SELECTED FREQUENCY IS 27MHZ. THE ENCODED SIGNAL IS DEMODULATED BY THE SUPER-REGENERATIVE CIRCUIT AND INPUT TO PORT 13 OF U1. U1 IS CONTROLLED. AND DRIVE ONE INTEGRATED SINGLE-CHIP MICROCOMPUTER, THE INPUT CODED SIGNAL IS AMPLIFIED BY 2 LEVELS THROUGH U1 INTERNAL AND R4.C10.C9.R6.R7.R9.C17 AND OTHER CIRCUITS.

THE AMPLIFIED SIGNAL IS THEN DECODED BY THE DECODING CIRCUIT INSIDE U1.

THE SIGNAL AFTER SUCCESSFUL DECODING IS SENT TO THE INTERNAL DRIVING CIRCUIT OF U1 BY U1 INTERNAL CONTROL CIRCUIT.

U1'S PORT 10.12.6.7 OUTPUTS HIGH AND LOW POTENTIALS, DRIVES THE MOTOR, AND ITS OUTPUT CORRESPONDS TO FORWARD, REVERSE, LEFT TURN, AND RIGHT TURN FUNCTIONS.