

TECHNICAL DESCRIPTION

TECHNICAL DESCRIPTION OF RECEIVER

THIS UNIT IS COMPOSED OF RF SIGNAL RECEPTION CIRCUIT, CONTROLLER AND THE RELATED CIRCUITS LIKE OSCILLATOR AND EEPROM, OUTPUT DRIVE CIRCUIT THE MODULATED SIGNAL FROM THE REMOCON TX UNIT (TRANSMITTER) IS AMPLIFIED BY LOW NOISE RF AMP OF KESRX1 INTEGRATED RECEIVER IC(U2). AND RF MIX BY DIVIDED VCO LOCAL OSC FREQUENCY (SUPER HETERODYNE) (U2), AND THEN IF FILTER DETECTOR, DATA FILTER THROUGH PASS BUILT-IN EACH BLOCK OF INTEGRATED RECEIVER IC(U2).

FINALLY CHANGED THE APPROPRIATE SQUARE WAVE FROM CODE FORMAT BLOCK (U2) THE CONTROLLER, 8BIT MICROPROCESSOR PIC16C558(U3), ACCEPT THE FORMATTED CODE AND CONTROL OUTPUT ACCORDING TO SOFTWARE (RX INPUT CONDITION AND INPUT)

EEPROM IS INITIALLY STORED THE UNIQUE SECRET CODE FROM THE TRANSMITTER AND THE STORED SECRET CODE IS USED FOR INFORMATION OF COMPARISON AND JUDGEMENT FROM CONTROLLER BASED ON THE DISPATCHED CODE FROM TRANSMITTER.

A BLOCK DIAGRAM AND CIRCUIT DIAGRAM ARE ATTACHED.