

O44JR1700F900 Circuit Descriptions.

Block1 : The Battery supply the power of +DC6.0 volts to the circuits.

Block2 : The Buttons of this product.

When Being pressed this remote starts to work.

Block3 : This is the LED display

Block4 : This is the micro-controller and radio power control circuit by U1,U2.

Block5 : This is the micro-controller.

U2 (Micro-controller) reads the button and make the radio transmission circuits work.

Block6 : This is the real time circuit

XT1 supply the real time clock to the U2.

Block7 : U1 can make the modulation by this block.

FSK Modulation can be achieved by pulling the crystal oscillator frequency.

Block8 : This is the basic oscillation circuit to radiate the radio frequency.

U1 transmitter consists of a fully integrated voltage-controlled oscillator, a divide-by-32 divider. Oscillates 907.1695MHz ($28.349048\text{MHz} \times 32$) by U1,X2,VC1.

Block9. : Besides 907.1695MHz will be removed by filter (L1,C1,C2,C3).