

Model #838K APPLICATION for FCC**TECHNICAL DESCRIPTION****MODEL #838KT REMOTE KEYPAD****DESCRIPTION**

The transmitter is a low-power communication device operating at frequency of 418MHZ or 433.9MHZ. The signal is a digital-coding modulated transmission which transmitted data to a receiver. This digital-coding provides different patterns by proprietary IC (U2,U3).

FUNCTION

The keypad provides PIN input and latch output function. A short beep tone will be generated during key closure. When keyin a correct PIN, The proprietary keypad IC (U1) will activate the latch output for 2 seconds and drives Q3 and Q2 to activate U2, U3. The LEDs (DS1-4) act as backlight and the unit can be operated even in dim environment. Resonator (Y2) and Capacitor (C2, C3) established the clock rate of 4MHZ.

The digital modulator is employed in the integrated circuit (U2) which sends encoded digital data. Resistor (R16) and Capacitor (C8) established the clock rate of 3MHZ.

The oscillator is a LC oscillator formed by transistor (Q1) and associated components (C10, C11). The frequencies of oscillation are controlled by VC1. The inductive load L2 is configured on the PCB as the principle radiating element which similar to an elementary dipole. Resistor (R13) in conjunction with the base bias circuit (R17) regulates the power output of the transmitter.

The unit operates from two 3V battery (CR2032). The transmitter is function with the receiver of FCC ID KUT838R, MY5838AR.