1SD82T

CKC LABORATORIES, INC. Testing the Future

EXHIBIT B

BLOCK DIAGRAM / EXPOSITORY STATEMENT

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LSDB2T

DoorKing Inc.
Corporate Offices & Manufacturing
120 Glasgow Avenue Inglewood, California 90301

Telephone Entry Systems

PC Programmable Systems

Gate Operators

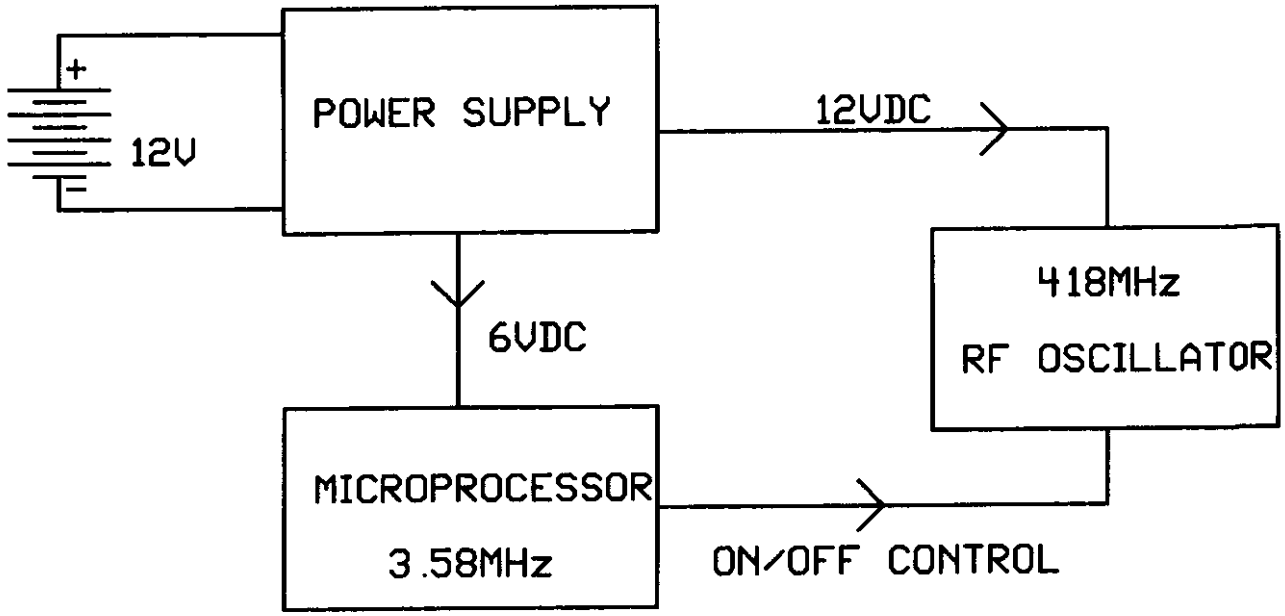
Parking Gate Operators

Radio Controls

Card Readers

Digital Locks

TRANSMITTER BLOCK DIAGRAM



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Description of Transmitter Operation:

The transmitter consists of three sections: 1. The power supply. 2. Microprocessor. 3. The RF oscillator.

1. Power Supply consists of a small 12VDC battery which supplies the RF oscillator and a 6VDC regulator which reduces the battery voltage for use by the microprocessor.
2. Microprocessor consists of a single chip 8 bit Motorola device which stores the serial number of the transmitter and gates on and off the RF oscillator to transmit the serial number.
3. RF Oscillator is a Colpits circuit consisting of a single transistor stabilized by a SAW (surface acoustic wave) resonator running at 418MHz

Description of Schematic Diagram:

The power supply consists of the battery(BT1), the switch(SW1) and led(D1)and 6VDC regulator consisting of R1,D2,Q1,R2. The 12VDC is supplied to the RF oscillator while the 6VDC is supplied to the microprocessor.
The microprocessor(IC1) is manufactured by Motorola. It runs at a frequency of 3.58MHz supplied by ceramic resonator(Y1). The serial number of the transmitter is stored within IC1 and is output on pins 9,10,11,12 when power is applied to the transmitter. By making pins 9-12 high(6VDC) the RF transmitter is turned on. By making pins 9-12 low(0VDC) the RF oscillator is turned off. IC1 turns on the RF oscillator in 1ms bursts with timing between the bursts of 3,6,9ms making the ones ands zeros of the data.
The RF oscillator, which runs at 418MHz consists of R3,C1,Q2,C2,C3,R4,SW1. This is a SAW stabilized colpits oscillator. The antenna consists of a circular shaped etch on the printed circuit board approximately 2 inches long.