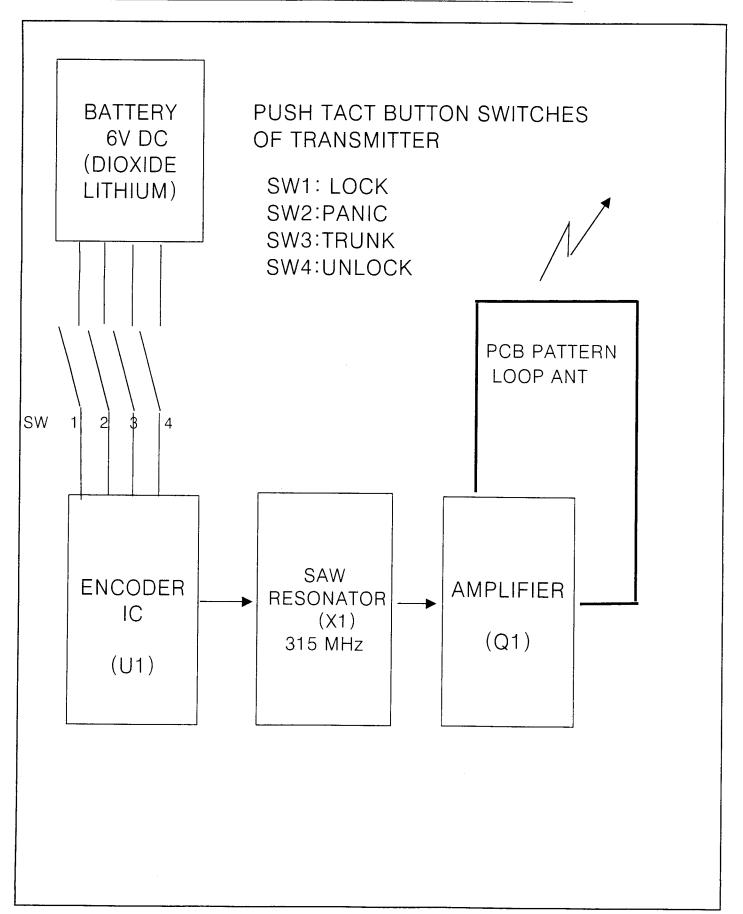
FIGURE 1: CAR ALARM (TX UNIT )BLOCK DIAGRAM



## TECHNICAL DESCRIPTION OF TRANSMITTER

The Security Code which controls the main unit is produced by the ENCODER IC(U1) and fed into the SAW(Surface Acoustic Wave) resonator.

The SAW resonator is transmitter carrier oscillator for superior frequency stability.

The carrier is modulated as an Amplitude Shift Keying(ASK) methode by the inputed digital security digital security code. The output from SAW resonator is into amplifier (Q1).

This amplified signal is fed into loop antenna on the PCB (PCB pattern antenna).

This unit employs 4 push buttons switches that will activate or de activate the all circuit.

A BLOCK DIAGRAM AND CIRCUIT DIAGRAM ARE ATTACHED.

## BLOCK DIAGRAM DESCREPTION FOR TX UNIT.

- 1. ENCODER CIRCUIT

  This circuit makes presetted code.
- 2. FREQUENCY OSCILLATOR AND MODULATOR

  This circuit modulateds the code from encode by modulation.
- 3. AMPLIFIER

  This circuit amplifier the modulatored code.
- 4. BATTERY
  Battery supplies electric power for all components on TX units.