

Transmitter Operational Description

This transmitter is a keypad garage entry system for use with receivers designed by the Genie Company. The data is Keeloq rolling code from Microchip that changes values every transmission.

The circuit consists of

- A keypad
- A Pic16F676 microcontroller that contains both operating instructions and the encoder
- RF circuitry which is a colpitts oscillator tuned to 390MHz by a saw resonator.
- 9v battery

When the proper code is entered into the transmitter the door operates.