

EXPOSITORY STATEMENT

TRANSMITTER DESCRIPTION

The transmitter is a keypad garage door entry system for use with receivers designed by The Genie Company / GMI Holdings Inc., a wholly owned subsidiary of Overhead Door Corporation. The transmitter data transmission is a fixed code 10 to 20 KHz data stream with a 50% duty cycle that is decoded by the receiver. Tables are included to detail data structure.

The circuit consists of the following:

- keypad
- micro-controller with internal clock frequency of 4 MHz
- encoder
- RF oscillator (antenna is integral part of the oscillator tank circuit)
- 9 volt battery

When the user enters the proper code sequence, the encoder modulates an RF carrier which is tuned to a frequency of 390 MHz. See the accompanying schematic and block diagrams.

The back of the transmitter has a label with the required FCC text, along with the FCC identifier, B8Q WKF99, and the model number. An accompanying drawing example detailing the label is provided. The position of the label is shown in the accompanying photograph.