

Operation Description of the Wireless Door Chime

The wireless door chime transmits at 313.77 MHz which is controlled by a RC circuit. It is powered by a 12 V battery. There is only a single button in the center of the transmitter. When the button is pressed once, it transmit a radio frequency and the door bell (receiver) will be sounded. No more signal is transmitted when the button is released.

Refer to the circuit design, the circuit description are as follows :

IC1 and associated circuit act as encoder.

Q1 and associated circuit act as oscillator and amplifier.