

Circuit description.

The 5050 transmitter is a two-button transmitter used to generate signals for use in garage door opener applications. Activating each push-button generates a command code for activation of doors.

A 12-volt battery powers this device. The power supply generates operating voltage for the electronics. Activating a button turns on the power supply. The microprocessor then generates a code that activates the transmitter, which sends pulsed signals. (OOK). Max clock for the microprocessor is 12 MHz.

For the purpose of FCC test requirements, the transmitter will be wired to transmit continuously. To activate transmitter, remove the cardboard separator at the battery terminals.