

639 Circuit Description

In ARM mode, microwave sensor (L1、C3、C4、Q1、R7 constitute the 2.4GHz oscillating circuit) detects the reflect signal from moving object and microwave sensor oscillating circuit output signal intervene engender the signal change, the signal send to LM324 amplify and compare then output trigger signal to MCU. The VR1 can adjust signal amplify big and small, change detecting sensitiveness thereby.

MCU detected trigger signal will turn on power amplifier (Q11, Q1, U2 etc core component consisting power amplifier circuit), then play bark or door chime or alarm.

The RX module of 433.92 MHz receives RF signal, it can give the remote control ID code to MCU to turn system into ARM mode or DISARM.