

Circuit description

MCU (HT46RS03) produces 40 KHz signals and these signals are via the ultrasonic sensors emit out, then reflected signals by the obstructor get back the sensors, these reflected signals then get thru the channel selection switch to be separated. After filtering, amplifying, demodulation, separated signals input MCU, MCU encodes the input signals and sent the encoded signal to TX module, TX module modulates it by ASK mode to 433.92 MHz, transmitter sends the 433.92 MHz signal out via antenna.