

Theory of Operation for:
RMD-001, RMD-002
IR/UHF Remotes

The RMD-001 and RMD-002 remote control units generate through contact closure and the microprocessor controller, pulse position modulation (PPM) code that is applied to the Infrared emitters and UHF driver circuit simultaneously.

The PPM code is applied to the UHF transmitter through Q5 and Q4 and mixed with the respective UHF frequency generated by the SAW resonator in Q3. The output of Q3 is matched to the loop antenna through filter C4, C5 and L2.