

CIRCUIT DESCRIPTION:

In the transmission mode, the momentary switches SW-L, SW-R, SW-B & SW-F provide input to the encoder integrated circuit U1. The output of U1 modulates Q3 by varying the emitter current of that stage. The RF frequency is determined by the crystal XTAL1. The output of Q1 is coupled through C3 to the base of the RF Amplifier Q2. From Q2, the signal is fed into the tuned circuit made up of T1/C12 & then to the low pass filter made up of C9 / L2 / L3 / C7 / C8 And is then fed to the antenna.

ANTENNA AND GROUND CIRCUITRY

This Unit makes use of a short antenna. The antenna is conductively coupled. The antenna is self contained, no provision is made for an external antenna. This unit is powered by a 9V battery.

No ground connection is provided. The unit relies on the ground tract of the printed circuit board.

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