

Model 60-4392

#### CIRCUIT DESCRIPTION

This unit is a low power remote control transmitter consisting two transistors in the RF circuitry. Q1 is a crystal control oscillator. Transistor Q3 is the output stage. This unit operates in the 27MHz RC band. The transistor Q2 is the voltage regulator to supply voltage to oscillator Q1 and IC1. The IC 1 generate the control signal to modulate RF signal. No voice or tone modulation is provided.

A 49MHz receiver is built on the same board. A match circuit is built to connect the 49MHz receiver and 27MHz transmitter to the same antenna.

#### ANTENNA & GROUND

This unit uses a telescopic antenna. The antenna is self contained and there is no provision for connecting an external antenna.

No ground connection is provided. The only ground used is the ground track on the PCB.

#### CIRCUIT DESCRIPTION

This unit contains a 27MHZ receiver and a low power transmitter. Transistor Q26 is a crystal control oscillator. Q25 is a buffer and Q24 is the output stage.

This unit is operate in the 49MHz RC band. Transistors Q27, Q28 and Q29 forms a wave shaping circuit and feed the signal to modulate the RF signal. No voice or tone modulation is provided.

#### ANTENNA & GROUND

This unit uses a short insulated wire antenna. A transparent tube made the wire vertical. The antenna is self contained and there is no provision for connecting an external antenna.

No ground connecting is provided. The only ground used is the ground track on the PCB.