

Model: 56812 (Transmitter portion)
Technical Description of Transmitter

The transmitter operates at 27.145 MHz, and controls the corresponding receiver to move forward, backward, left, right.

The circuit of the transmitter comprises of,

1. An Encoding circuit

Consisting: IC1 (8A977) and four switches (L,R,B,F)

2. A RF Oscillator (27.145MHz)

Consisting: X1, Q2

3. A Filter Network

Consisting: C1, C2, VL1

4. A RF Modulator and Amplifier

Consisting: Q1

5. A Power Supply

Consisting: 9VDC Alkaline battery

6. Regulator

Consisting: D1 (3.3V)

7. Clock Frequency Generator

Consisting: R6 (220Kohm) defines Internal Clock Oscillation frequency as 128kHz

The transmitter uses an external, integral and telescope-type antenna (with unique antenna connector).

Antenna Gain: 0.5dBi

Nominal rated field strength: 75.6dBuV/m at 3m

Maximum allowed field strength of production tolerance: +/- 5dB

Antenna Type: External, Telescope-type antenna with unique antenna connector

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