

Explanation of Remote Locator Characteristics

The customer will walk over to the set, press on "POWER" button, and an RF signal will be transmitted from the set, that will be detected by an RF receiver installed in the handset. If the correct identify code is detected by the handset, an audio beeper will sound to help the customer locate the misplaced remote.

RF receiver in the handset will receives AM (amplitude modulated) signals at a carrier frequency of 390MHz \pm 200kHz, for a time period of 4.9 seconds from the part of transmitter inside the set.

A discrete RF amplifier tuned to 390 MHz enhances the input signal to the regenerative detector.

The encoded AM signal is demodulated by a superregenerative detector circuit.

Two operational amplifier in single IC follow regenerative detector. The first op amp amplifier the detected data and the second is used as a data slicer to improve the data signal to noise ratio.