

Innovative Remote Locator for Television

Searching for the remote control unit, while watching the TV is a common problem for everyone. This project helps the user to locate the TV remote control unit.

This project uses RF transmitter and receiver principle. It works with 433 MHz / 315 MHz radio frequency. The Transmitter unit is fixed on the television. It has a "SEARCH" switch. Whenever the user presses this switch, it transmits 433 MHz / 315 MHz signal.

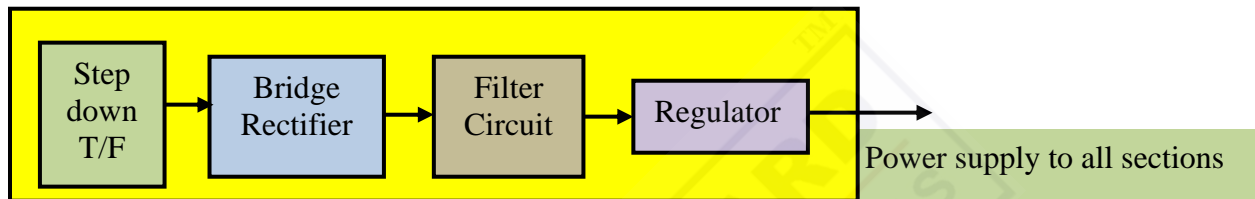
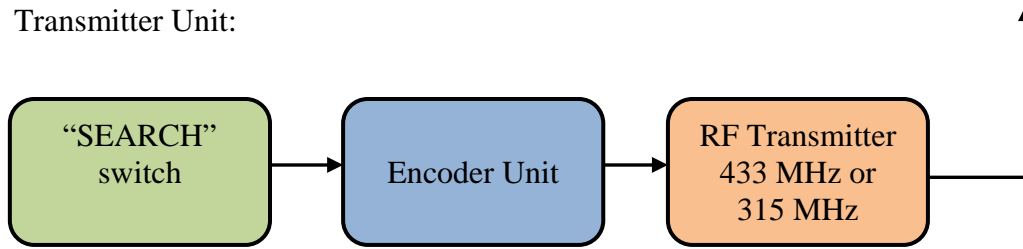
The remote control unit is fixed with the receiver unit. Whenever the "SEARCH" switch is pressed on transmitter, the receiver receives the signal. This signal is fed to a transistor driver circuit to drive a buzzer.

An NPN transistor is used as driver circuit to drive the buzzer. The transistor is operated in saturation and cut off regions to ON and OFF the buzzer.

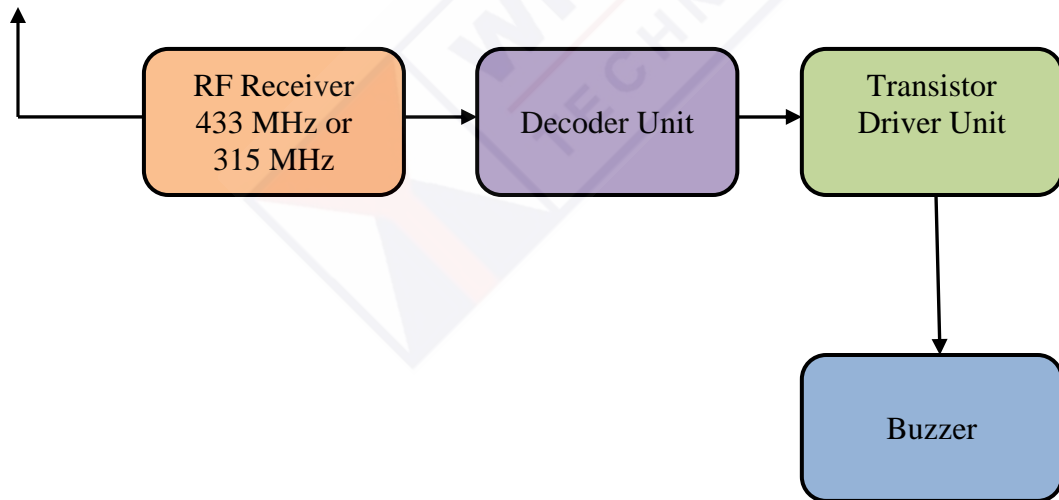
By this audible sound, the user can locate the remote. This innovative project works with small battery. Transmitter is connected parallel to the power supply points of the television. The receiver unit works with a small 9V battery.

Block Diagram: Innovative Remote Locator for Television

Transmitter Unit:



Receiver Unit:



Advantages:

Highly sensitive
Fit and Forget system
Low cost
Simple and Reliable circuit

Applications:

Home Applications
Key chains
Mobile phone chargers
AC Remote
TV Remote

