

Operational Description

The transmitter of the EUT (BUILT-IN ELECTRIC FIREPLACE THERMO REMOTE CONTROLLER) is powered by a 3Vdc batteries. The transmitter uses printed antenna and designed to operate on a fixed frequency at 433.92MHz.

There is one button trigger the encoder IC (IC101) which produces the digital control signals and will modulate the carrier signal. The carrier signal is generated by a SAW oscillator / Amplifier circuit then coupled to the printed antenna.

This 433.92MHz transmitter device is operated by manual and activate time is less than 5 second after being released.